THE DEVELOPMENT AND VALIDATION OF ALL FOUR TRAILS (TOOL FOR REAL-TIME ASSESSMENT OF INFORMATION LITERACY SKILLS) TESTS FOR K-12 STUDENTS

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THE DEVELOPMENT AND VALIDATION OF ALL FOUR TRAILS (TOOL FOR REAL-TIME ASSESSMENT OF INFORMATION LITERACY SKILLS) TESTS FOR K-12 STUDENTS (348 pp.)

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This study sought to determine whether the items that were in use for the TRAILS K-12 information literacy classroom assessments at the 3rd, 6th, 9th, and 12th grade levels could be used to develop a valid and reliable test for each grade level. To determine whether the assessments could be reengineered into valid tests of information literacy, the entire item banks for each grade level were administered to students recruited across the United States. The data gathered were then used to answer three research questions.

First, the study sought to determine whether the current item banks could be used to create an efficient and reliable test at each grade level. The Rasch model of Item Response Theory was used to develop each test based on overall scale reliability, item fit to scale, distractor function, lack of bias based on differential item functioning analysis, item difficulty spread, and content coverage. It was determined that reliable tests could be created at each grade level (3rd $N = 20$; 6th $N = 25$; 9th $N = 30$; 12th $N = 35$) with generally strong psychometric properties at the item level across all four tests.

The study then sought to gather evidence of construct validity through two methods. First, content experts at each grade level were presented each item in the draft test and were asked to rate the degree to which it measured its associated TRAILS objective. The results of this study identified items on each test for further examination

but found general endorsement at the item and scale level for objective measurement. Additionally, the amount of reading and item difficulty were examined through a correlation study. No relationship was found on any of the tests, reducing the likelihood that reading affects item difficulty.

Finally, the study sought to determine the most generally agreed upon proficiency score for each test by using a modified bookmarking standard-setting procedure. This process utilized expertise at each grade level throughout the United States as well as the TRAILS project team and established proficiency scores for all four tests.

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This dissertation is dedicated to my wife Jamie Salem and our infant daughter, Summer Rose Salem. This project has coincided with the beginning of our family and will forever be a part of some of our happiest memories.

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CHAPTER I
INTRODUCTION

This study examined the psychometric properties of the Tool for Real-Time Assessment of Information Literacy Skills (TRAILS) test items and sought to establish a valid and reliable test structure at all four grade levels tested by the instruments: grades 3, 6, 9 and 12. Items were selected from the TRAILS item bank for each grade level based on their individual psychometric properties and their contribution to reliable and efficient tests. The items used in each test were evaluated using the Rasch item response theory (IRT) model to ensure that they are free from bias, contribute to the most efficient measurement of information literacy (IL) possible at each grade level from both a content and item difficulty perspective, and that they are as free from measurement error as possible. In addition to developing reliable tests, the study gathered evidence of content validity for each test, and set a scoring standard to facilitate the interpretation of test-taker results.

K-12 Information Literacy

With the increase of information access resulting from the growth of the World Wide Web in the mid 1990s, the prioritization in role of librarians at every level of education shifted. For many, the traditional emphasis in role as information provider first and educator second flipped with the proliferation of information access and available formats. This role reversal is evident in the earliest IL standards published by the American Association of School Librarians (AASL), entitled *Information Power*. For the

first time in the history of the AASL, its professional standards focused on the learning outcomes expected of those who completed successful IL programs as part of their K-12 education. The AASL defined an information literate high school graduate as "one who has the ability to use information to acquire basic and advanced knowledge; to become an independent, lifelong learner; and to contribute effectively and responsibly to the learning community" (American Association of School Librarians, 1998).

The AASL described the role of the school librarian as classroom collaborator with teachers and a leader among the school or district with regard to the integration of IL into the curriculum (American Association of School Librarians, 1998). This is very much in line with the model outlined for higher education in the first set of IL standards for colleges and universities in which collaboration among faculty, librarians, and administrators is stressed for successful integration (ACRL Task Force on Information Literacy Competency Standards, 2000).

Information literacy is not computer literacy, but technology is now a key component to successfully accessing, evaluating, and using information in a variety of formats. The learning standards have therefore progressed since the publication of *Information Power* in 1998. The AASL itself updated their standards to reflect these changes in information access and use. According to the AASL, "Information literacy has progressed from the simple definition of using reference resources to find information. Multiple literacies, including digital, visual, textual, and technological, have now joined information literacy as crucial skills for this century" (American Association of School Librarians, 2007).

In addition to professional standards, the academic standards in many states include either IL as a discreet construct or learning outcomes that fall within the definition of IL described earlier. As of this writing, 44 states have adopted the Common Core Standards (National Governors Association Center for Best Practices, Council of Chief State School Officers, 2012), which include learning outcomes that can be described as IL outcomes.

Within the "Writing" standards, many learning outcomes within the common core are certainly IL outcomes. The following is one of many examples:

> CCSS.ELA-Literacy.WHST.6-8.8: Gather relevant information from multiple print and digital sources, using search terms effectively; assess the credibility and accuracy of each source; and quote or paraphrase the data and conclusions of others while avoiding plagiarism and following a standard format for citation. (National Governors Association Center for Best Practices, Council of Chief State School Officers, 2010)

School librarians in Common Core states are therefore expected to collaborate in the development of the curriculum and classroom pedagogy to develop these skills.

Although the Common Core Standards are widely adopted, IL is still a challenge in the K-12 environment. Many districts have been forced to lay off their school librarian, leaving IL to classroom teachers to develop in addition to the content for which they are responsible (Schwelik, Geitgey, & Higgs-Horwell, 2013). TRAILS is among the tools available to help classroom teachers and school librarians meet these demands.

The TRAILS Project

The Tool for Real-Time Assessment of Information Literacy Skills (TRAILS) started as a project of the Kent State University Libraries (KSUL) as part of the Institute for Information Literacy Education (ILILE). ILILE is a joint partnership of KSUL and the School of Library and Information Science at Kent State University. The early objective of the TRAILS project was to establish a test of 9th grade IL, measuring the learning outcomes articulated in the first national standards published by the American Association of School Librarians and the then recently published Ohio Academic Content Standards for K-12 Libraries. The first TRAILS test focused on IL at the 9th grade level and was released in January 2006 (Schloman & Gedeon, 2007). In 2008, the project expanded to include a test for 6th graders and finally, in 2010, the 3rd and 12th grade tests were developed and released (Schloman, Gedeon, & Schwelik, 2010).

Since their inception, the TRAILS items have undergone the same development process. Practicing school librarians serve as consultants, writing the items, and mapping them to their associated standards. As described earlier, the 9th grade items were developed to measure the early AASL and the Ohio Academic Content Standards. The items for the subsequent tests were written to measure the revised AASL standards published in 2007 in the *Standards for the 21st Century Learner* report. With the wide adoption of the Common Core Standards, all TRAILS items have since been mapped and are now written to measure relevant learning outcomes from the Common Core (TRAILS, 2013a).

All TRAILS assessments are Web-based and freely available. At each grade level, they follow a similar pattern: two general assessments are offered, as well as five 10 item subscales: develop the topic; identify potential sources; develop, use and revise search strategies; evaluate sources and information; and recognize how to use information responsibly, ethically, and legally. The general assessments are made up of items representing these subscales as well, though no subscale scores are reported for students taking the general assessments (Schloman, Gedeon, & Schwelik, 2010). The general assessments' lengths vary by grade level (TRAILS, 2013b). See Table 1 for the number of items used for each grade level general assessment and Appendix K for examples of the TRAILS items.

Table 1

TRAILS Assessment Lengths for Each Grade Level

Grade	Items in General Assessments	Items Representing Each Subscale
3	15	3
6	20	4
9	25	5
12	30	6

Test administrators receive a group report for each class indicating the mean score for the class as a whole and the percentage of students selecting the correct score for each item on the assessment that was administered. Individual reports are provided as well,

indicating the percentage correct on the assessment for each test-taker (Schloman, Gedeon, & Schwelik, 2010).

Since the release of the 9th grade version in 2006, the TRAILS assessments have been heavily used. As of December 27, 2013, 20,678 registered users administered the assessments to 1,306,557 students internationally. In Ohio alone, 2,176 registered users administered the assessments to 195,791 students since 2006 (B. Schloman, personal communication, December 28, 2013). This level of usage offers additional evidence that IL instruction and assessment are of vital interest to the K-12 educators both in the state of Ohio and internationally.

Statement of the Problem

Although the TRAILS assessments are heavily used, they have never been subjected to a thorough validation study. The development of the TRAILS items by content experts and subsequent mapping of those items to state and national standards does meet Standard 1.6 of the *Standards for Educational and Psychological Testing* for presenting evidence of content validity.

> When the validation rests in part on the appropriateness of test content, the procedures followed in specifying and generating test content should be described and justified in reference to the construct the test is intended to measure or the domain it is intended to represent. (American Educational Research Association, 1999)

The TRAILS project has presented this evidence; however, no additional evidence of content validity has been formally gathered during the duration of the project.

In addition to a lack of additional evidence for content validity, scoring standards are not provided for the current assessments. As indicated earlier, the percentage correct for each test taker is reported; however, this score is not placed into any context other than the benchmark of the overall "class" score or the current benchmark mean score on the general assessment for all test-takers in the United States, Ohio, and selected states. According to the TRAILS Web site, "The student score provided by TRAILS is not meaningful in and of itself. We cannot say that the numeric score is a definitive measure of a student's IL knowledge. What the score does provide is a measure of attainment relative to other students who have taken the same assessment" (TRAILS, 2013b). At least one cut score indicating whether the student has obtained the level of proficiency on the assessment is desirable (American Educational Research Association, 1999).

The structure and reliability of the current general assessments are also of concern. Selected psychometric properties of individual items have been analyzed on an annual basis throughout the duration of the project using the Rasch IRT model. These annual analyses have focused on item fit to scale, item difficulty spread, and the person and item reliability indices estimated by the Rasch IRT model. Additional evidence is needed to ensure reliable measurement, especially in the K-12 setting. To date, the TRAILS items have not been analyzed to determine whether they are free from gender and racial/ethnic bias.

Although the items have been analyzed to determine their difficulty level on an annual basis, the cause of that difficulty has not been analyzed on a regular basis. A distractor analysis was necessary to determine whether an item's difficulty aligns with expectations or is due to misleading wording in the stem or responses.

A reliability analysis of the general assessments as of the winter of 2012 found that the *coefficient alpha* for most of the assessments did not meet the 0.70 level that is generally recommended for psychometric tests in the social sciences (Nunnally & Bernstein, 1994). Only the 3rd grade general assessment 2 (α = 0.71) and 9th grade general assessment 2 (α = 0.71) fell within this range. For the purposes of this analysis, a *coefficient alpha* was calculated for each general assessment. The data were limited to responses from students in the grade for which the assessment was intended. For example, the data for each 12th grade assessment were filtered so that only responses from 12th graders were analyzed. See Table 2 for the *coefficient alpha* for each general assessment.

Table 2

Coefficient Alphas for Each TRAILS General Assessment as of January 23, 2012

Grade	Alpha: Assessment 1	Items	n	Alpha: Assessment 2	Items	n
3	0.638	15	13,527	0.710	5	1,319
6	0.686	20	34,175	0.654	19	5,570
9	0.661	25	24,451	0.712	24	6,688
12	0.665	30	3,769	0.578	30	1,166

Note: Any multiple response option items were not included as they will no longer be part of the active item bank; therefore the number of items in a particular assessment may differ from those in Table 1.

Research Objectives

School librarians, teachers, and researchers will be able to use the TRAILS tests to reliably measure IL of 3rd, 6th, 9th, and 12th grade students as a result of this study. The study will establish tests at each grade level upon which updated parallel tests can be created, facilitating the pre-test / post-test designs that are available in principle to users of the current TRAILS assessments, but are not facilitated due to the fact that the assessments at each grade level are not indeed parallel. Finally, the tests that are created will serve as foundations for updated tests of IL.

Since IL involves information technology as part of the construct that is measured, it is particularly dynamic. The standards that are measured by the test are evidence of the rapid rate of change for this particular construct. As described earlier, the first TRAILS test items were written to measure the first set of national K-12 IL standards (American Association of School Librarians, 1998) and the Ohio Academic Content Standards for K-12 Library (Ohio Department of Education, 2004), then mapped to standards written by the American Association of School Librarians (American Association of School Librarians, 2007) and then finally to the Common Core Standards (National Governors Association Center for Best Practices, Council of Chief State School Officers, 2010). Within seven years of its release, TRAILS tested four sets of standards,

all varying slightly and updating in some areas to keep pace with technological advances. This is also evident at the university level. In 2013, the Association of College & Research Libraries began the process to revise its IL standards (ACRL Task Force on Information Literacy Competency Standards, 2000) after 13 years due to changes in technology and pedagogical approaches to IL instruction (Bell, 2013).

With this recent history of change in IL standards, associated technology, and the pedagogical approaches employed to teach IL, it is anticipated that the future will bring the same. One final research objective will be for the tests that are established to serve as foundational instruments into which new test items can replace those that are no longer relevant to the measurement of IL at the K-12 level.

Research Questions

The current study examined the reliability and validity of at least one test at each grade level (3rd, 6th, 9th, and 12th) by answering the research questions below.

1. What is the best combination of test items from the current TRAILS item banks to create valid and reliable tests at each grade level?
    1a. What is the reliability of the proposed tests at each grade level?
    1b. How are item difficulty and distractor function related for the proposed tests at each grade level?
    1c. Does item difficulty differ across gender and ethnicity at each grade level?
    1d. What is the item difficulty spread of the proposed tests at each grade level?
    1e. What are the item fit to scale indices of the proposed tests at each grade level?

2. What is the relationship between the TRAILS items and scales and the construct being measured, information literacy?

    2a. How are each TRAILS item and its information literacy objective related?

    2b. How are item difficulty and the amount of reading related on each TRAILS test?

3. Using a modified bookmarking standard-setting process, what score will a student need to achieve in order to demonstrate proficiency in IL on the TRAILS test at each grade level?

The Rationale for the Study

The TRAILS project team has been careful to suggest uses of the assessments as part of instruction and not necessarily as valid and reliable tests of IL. As indicated earlier, no standards for scoring are set, and even the suggested uses are more in line with pedagogical tools than with validated instruments.

> The individual student score may be used to determine students' performance relative to each other. The class report may be used to identify areas of strengths and weaknesses in students' understanding of specific concepts related to information literacy, which will assist in targeting your instructional efforts. The online review may be done individually or as part of a class exercise, and provides students with individualized feedback. (TRAILS, 2013b)

With no validated score provided for an underlying construct and no context into which they can be placed, the current assessments do not meet the requirements for more

applications than presented by the project team (American Educational Research Association, 1999).

Although there are two general assessments at each grade level, pre and post-testing is not facilitated by the current assessments. Pre- and post-testing require parallel test forms. Parallel tests are defined as measuring the same construct, having the same observed mean and variance, and correlating in the same way with external measures. Although two assessments are provided for each grade level, their differing *coefficient alphas* suggest that they are not parallel, as they would be very unlikely to correlate with other measures with varying levels of reliability (Crocker & Algina, 2008).

Despite this limitation in the current TRAILS assessments, registered users have expressed that they use the assessments to pre- and post-test students by using one general assessment for the pre-test and another for the post-test. The current item bank may not be able to support parallel tests; however, one research objective of the current study is to develop one valid and reliable test at each grade level and another additional objective to develop a foundational context into which additional item and test development can be made for updates and perhaps for parallel forms. Pre- and post-testing can then be facilitated in the long term by the results of this study and the current practice, in which school librarians are likely measuring differences in K-12 IL among their students due to measurement error will no longer persist.

Although no attempt is made to suggest that TRAILS can be used in research studies by the project team, at least two such studies have been conducted and published, both of which assume a validated and reliable measure of IL. In one study, school

librarians used TRAILS to measure IL and to measure whether it had an effect on reading scores in grades 5, 8, and 11 across their school district. Using multiple regression analysis, they did find a statistically significant difference relationship between IL (as measured by TRAILS general assessments 6 and 9) and reading scores, controlling for individual student characteristics (Bailey & Paul, 2012).

In the other study, 201 graduating seniors who had taken the 9th grade version of TRAILS as incoming freshmen took the 12th grade version. The researchers found a statistically significant difference in means between the two test administrations with the seniors performing at a higher level on their test overall than they did as freshmen (Kovalik, Yutzey, & Piazza, 2012). Like the other study discussed, this design assumes a valid and reliable instrument. The design itself could also have been enhanced as a result of the current study. A study seeking to measure the impact of an IL program could report or analyze the number or percentage of students performing at or above the scoring standard established as a result of the current study as incoming freshmen and then again as graduating seniors. The design described above may be vulnerable to internal reliability issues as the differences measured among those two test administrations may be due to differences between the 9th and 12th grade TRAILS assessments and not due to the impact of the IL program under evaluation (Shadish, Cook, & Campbell, 2002).

Significance of the Study

As indicated earlier, the TRAILS assessments are already in heavy use, and IL assessment is in high demand in the K-12 setting. The current study explored the best

use of the TRAILS item bank to reliably provide that measurement. The content validity of the resultant TRAILS assessments was also examined as part of the study. The study helped to determine that the TRAILS item bank can be used to provide reliable and valid measurement.

By aligning items with the Common Core Standards, the TRAILS assessments are national in their scope, and their current usage indicates that they are international in their application. The results of this study will either strengthen their use or discontinue bad practice. One aspect of the study's significance is the lack of alternatives available to school librarians. In reviewing existing IL tools for K-12 applications, Farmer and Henri (2008) could only find state-level alternatives to TRAILS. The only development since the publication of their work is the expanded adoption of the Common Core. Even state-level alternatives have become less likely to be developed and in some cases obsolete, and no large-scale K-12 IL assessment tools have emerged since this publication surveyed the options available. The results of the validation and reliability study have the potential to have a national impact.

Research Paradigm

As indicated above, the purpose of this study is to examine the psychometric properties of IL test items, gather evidence of the content validity of the tests that are developed using selected items, and then to set the standard for scoring these tests to facilitate the measurement of K-12 IL. The study adopted a quantitative approach, employing the Post-Positivist research paradigm. The Post-Positivist paradigm employs

cause-and-effect thinking, the use of measurement and observation, the testing of hypotheses, and the reduction of variables (Creswell, 2008). The study collected data through student test performance, content expert survey, and standard-setting session participation and were analyzed the data collected through quantitative methods.

Variables in the Study

The construct under observation in this study is information literacy as defined and discussed earlier. In addition to the overall construct measured by the TRAILS assessments, the study will measure discreet variables to answer each research question.

1. What is the best combination of test items from the current TRAILS item banks to create valid and reliable tests at each grade level?

    1a. What is the reliability of the proposed tests at each grade level?

        Coefficient alpha for the proposed tests

        Rasch IRT model item reliability index

        Rasch IRT model person reliability index

    1b. How are item difficulty and distractor function related for the proposed tests at each grade level?

        Rasch IRT model distractor analysis indices

    1c. Does item difficulty differ across gender and ethnicity at each grade level?

        Rasch IRT model DIF contrast

        Rasch IRT model DIF *Chi-Square*

    1d. What is the item difficulty spread of the proposed tests at each grade level?

Rasch IRT model item separation

Rasch IRT model person separation

1e. What are the item fit to scale indices of the proposed tests at each grade level?

Rasch IRT model Infit index

Rasch IRT model Outfit index

2. What is the relationship between the TRAILS items and scales and the construct being measured, information literacy?

2a. How are each TRAILS item and its information literacy objective related?

Percentage of agreement between raters and item / measured objective

2b. How are item difficulty and the amount of reading related on each TRAILS test?

Correlation between Rasch IRT model item difficulty and number of alphanumeric characters per item

3. Using a modified bookmarking standard-setting process, what score will a student need to achieve in order to demonstrate proficiency in IL on the TRAILS test at each grade level?

A proficiency level cut score for each test will be established through a standard setting process

CHAPTER II
LITERATURE REVIEW

This chapter reviews the body of literature on IL assessment in general, the development, validation and use of standardized and large-scale IL tests, IL assessment in the K-12 setting, and the development and use of the TRAILS assessments. This review focuses on the literature of K-12 education, higher education, and library and information science in the United States from the mid 1990s to the present. The mid 1990s was selected as a focal point because it marks the beginning of the mainstream use of the World Wide Web as a tool for information dissemination, necessitating the development of IL programs at all levels of the curriculum. The literature reviewed in this chapter situates the current study.

Approaches to Information Literacy Assessment

Due to the unique challenges of the construct of IL, as well as its place in both the higher education and K-12 curriculum as often team-taught and shared across units, approaches to assessment vary. The construct itself is somewhat varied, including skills related to developing research strategies; manipulating technology; avoiding plagiarism and other unethical or illegal uses of information; and the evaluation, use, and creation of information (ACRL Task Force on Information Literacy Competency Standards, 2000). Within the curriculum, it can be evaluated as a process, as contributing to an outcome, or as a set of skills with each requiring their own approach to assessment. This section reviews examples of the literature of IL assessment in general, with a particular focus on

the approaches taken in higher education as tenure requirements among many academic librarians incentivize the publication of their approaches to assessments and the results of their projects. The goal of this section is to provide an overview of the different approaches to assessment found within the IL literature.

As an emergent topic for academic librarians, IL assessment has been the subject of books since the publication of the ACRL IL standards in 2000. Radcliff, Jensen, Salem, Burhanna, and Gedeon (2007) provide a good introductory guide for instructional librarians new to assessment. Their "practical guide" includes a short overview of the assessment process, tips for situating IL assessment within the mission of the academic library and its parent institution, and considerations for selecting the level of assessment (i.e., classroom, program, institutional) on which to focus. The most significant contribution this book makes to the literature is within the section focused on assessment tools, which makes up the majority of the text. One chapter is devoted to each tool or technique, ranging from classroom assessment techniques to concept maps. For each, factors such as time, money, and student access are given consideration before the tool is selected for use, as well as examples and further reading on the tool.

Neely (2006) offers a slightly more advanced guide to assessment tools organized by the ACRL IL standards. She gathers assessment tools from 27 academic libraries and organizes them into chapters focused on each of the five ACRL standards. Each chapter provides tips for developing assessment tools, and assignments to measure learning aligned with the associated ACRL standard as well as a review of the tools available from

colleagues at peer institutions. Neely also provides short introductions to standards-based instruction and working with assessment results on campus.

Mackey and Jacobsen (2010) edited a collection of case studies written by faculty-librarian teams describing their local collaborative IL assessment projects. The collection includes cases across the disciplines. In most cases, the contributors detail not only the experience of implementing their assessment project, but some of their results as well.

IL assessment is also the subject of reviews of the literature and at least one meta-analysis. Warmkessel (2007) reviews seven articles published from 2004 – 2006 on IL assessment. Her review focuses on empirical studies but does include one theoretical article. Brown and Niles (2013) offer the most comprehensive review of the IL assessment research, compiling a critical bibliography of 90 research studies assessing information literacy published after 2007. Baldwin (2008) reviews not only the recent literature of IL assessment, but selected tools available to use and adapt in local projects and studies. Sproles, Detmering, and Johnson (2013) conducted a meta-analysis of articles on library instruction and IL in general from 2001 – 2010. Among their findings was that the IL standards commonly cited from ACRL and AASL were a common theme in the literature as well as assessment in general. The researchers noted that the second half of the decade in particular saw a dramatic increase in the number of articles dealing with IL assessment.

Locally developed tests or surveys of IL skills are prominent within the literature. Staley and Hewett (2010) developed a local item bank measuring local learning outcomes

selected from the ACRL standards, as well as an online system to conduct pre- and post-testing. For this pilot study, the researchers administered the pre-test of randomly ordered items prior to IL instruction to 83 students in five sections of a psychology course and then administered the post-test. They then calculated item-level descriptive statistics to measure change from the pre- to the post-test. All items saw improvement with variation in the amount and the baseline measured for that item in the pre-test.

Timmers and Veldkamp (2011) studied the attention that test-takers paid to feedback provided by their locally-developed IL assessments. They developed 10 and 20 item IL assessments to measure selected ACRL learning outcomes and wrote feedback that would be displayed to the test-taker at the conclusion of the testing session for each item, regardless of whether the item was answered correctly. They found that the attention that test-takers paid to the written feedback varied with more attention paid to the feedback provided for incorrectly answered items. The length of the test also affected the attention paid to feedback with more feedback pages opened on the shorter 10 item test than the 20 item test. Finally, they found that test supervision also increased the attention that test-takers paid to feedback.

Sherat and Steele (2013) developed a local test of IL based on the ACRL standards and embedded it into multiple classes at multiple levels of the undergraduate curriculum. During their pilot study, they used a pre-test/post-test design which met resistance from students and instructors. They then moved to a design where some sections received a pre-test only and others a post-test only. The result is a mix of pre- and post-test results for a variety of courses. Recognizing the threats to internal validity

inherent in their design, the researchers examined the trend line in mean scores on these pre- and post-tests across semesters, generally seeing improvement as the results inform instructional improvement.

Ferguson, Neely, and Sullivan (2006) developed a survey of undergraduate IL behaviors and attitudes toward their own IL proficiency. Their instrument was organized by the ACRL IL standards and sought to determine whether those students who self-reported a high level of comfort with their own IL skills would indicate that they engage in information seeking, evaluation, and attribution behavior that would exhibit strong IL proficiency. They found that the "data confirm that students overestimate their ability levels with many skills represented in the survey" (Ferguson, Neely, & Sullivan, 2006).

Van Cleave (2008) employed a survey design to assess the IL program; however, instead of surveying students on their comfort level or skills as described in the previous studies, she surveyed instructional librarians. The goal was to use the survey design to facilitate a self-study of program effectiveness and the instructional approach(es) of responding librarians. Among notable findings was an emphasis on professional development for instruction and that not all librarians were using technology in support of their instruction.

As discussed earlier, IL programs are commonly integrated into the curriculum by being embedded into core courses through partnerships between instructional librarians and classroom faculty. To achieve full integration at critical points of the curriculum, many IL programs employ online instructional modules or tutorials that include a locally-developed assessment component. Researchers at three institutions studied the efficacy

of six IL tutorials using a pre-test/post-test design. Thirty students were recruited at each institution to be tested, then to interact with their local tutorials and finally to be post-tested. The study found statistically significant higher scores on the post-tests at all three institutions (Markey et al., 2005).

Noe and Bishop (2005) employed a pre- and post-test design to assess the efficacy of their three module IL instructional program. Their tutorial system included a quizzing component, so their study compared not only pre- and post-tests but quiz scores as well. Overall, they found improvement from pre- to post test; however, the quiz scores were consistently higher than either measure, prompting the researchers to question the ability of their tutorial format to build skill retention since they are not tied to a specific course assignment.

Borrelli, Johnson, and Cummings (2009) describe their Information Literacy Education (ILE) project in which online modules are customized for large, multi-section classes. They employ an instructional/assessment model in which the classroom time that librarians are given is used to introduce the ILE module for that course and then conduct a pre-test and another for a post-test. Kammerlocher (2009) used a pre- and post-test design to assess online IL modules for an undergraduate biology course. Although her instruments did include two repeated knowledge questions, the post-assessment in particular was designed to not only measure learning outcomes, but the experience of using the module and the level of confidence in information access and evaluation after using the module.

The breadth of the IL construct can make it difficult to assess through any one method or instrument, especially for projects or studies that are not focused on assessing the efficacy of an IL program. Traditional multiple-choice tests and surveys can be particularly limiting as they only allow the researcher to measure knowledge and opinion, respectively. Fixed response assessment tools in general can be criticized for providing the test-taker with the correct response for which guessing is inherently rewarded (Oakleaf, 2008). Sutherland (2009) is particularly critical of the ability of standardized tests to measure the critical thinking and information generation components of IL. Although her critique is especially pointed, it does reflect emerging trends in the IL assessment literature of using multiple assessment methods and more "authentic" tools and techniques to measure those aspects of IL that are not measured by knowledge tests or surveys.

Since it is such a multi-faceted construct, multiple method studies can enable researchers to measure more of the learning outcomes addressed in their IL program than any single method could. Sonntag (2008) assessed undergraduate IL through the administration of the iSkills test to first-year students, through the general education assessment plan, and finally through an annual academic program review of the IL program following the format established on campus. The general education assessment plan followed a rotating schedule in which selected learning outcomes would be assessed from year to year with the written communication and information literacy outcome assessed through the rubric evaluation of writing examples. A rubric was established for

the sources that were cited as a way to assess IL. Among the most notable findings was the inability of students to transfer IL skills from one setting to another.

Qualitative approaches to IL assessment can be found in the literature as well. Scales and Lindsay (2005) used qualitative software to study the content of essays written in a general education IL course as a capstone assignment. The essays specifically addressed their authors' own information literacy skills and the use to which they could be put in their academic and professional careers. They analyzed the essays with the aid of qualitative software. Among their notable findings was that students completing this course connected IL with learning in general and lifelong learning in particular and that the domains of academic life, professional life, and personal life were all connected to the concept in varying degrees among these students. The researchers did note that the number of adult learners in the course likely skewed results.

Twait (2005) used observation and interviews to study source selection among traditionally-aged undergraduate students. She observed the evaluation of search results and the selection of sources by 13 undergraduates in all four class standings. Although Twait did analyze results by class standing, the more notable results were related to the criteria used by students when selecting sources. Source content was the most commonly used criteria with all other criteria mentioned varying more greatly in their use by participants.

Research journal assignments are commonly employed to assess the information seeking and evaluation behavior of students. Nutefall (2004) studied student performance on a research journal assignment that she called the "Paper Trail." Students

were required to keep track of the steps that they took in the research process for the paper in the course. For the study, the assignment was graded by the instructor for the course grade and then by instructional librarians for the programmatic assessment of IL instruction. A checklist was developed for both grading purposes. The researchers were able to make curricular changes based on the results of this study.

Performance assessment has also emerged as an approach to IL assessment. Along with fixed-response tests and rubrics, performance assessment is one of the three approaches discussed by Oakleaf (2008) in her overview of IL assessment techniques. Bluemle, Makule, and Rogal (2013) studied the integration of performance assignments in multiple classes designed to assess higher order IL learning outcomes. For example, a source evaluation assignment was created that asked each student to list his or her topic, and then a citation for a source that was retrieved that was believed to be related to that topic as well as a brief description of the reason that this cited source was relevant. Since the assignments were used in multiple classes, a report was written by the librarian who taught the course section and an evaluation committee reviewed the results of the performance assignments in context of the specific needs of the course.

More recently, rubrics have emerged as a form of more authentic assessment. Warner (2009) describes a programmatic implementation of rubric assessment as part of the required English composition course at her institution. Students were encouraged to submit a voluntary research journal that was subsequently assessed using six rubrics, five of which focused on discreet aspects of IL and the sixth assesses the construct overall. Despite the assignment being voluntary, response rates ranged from 21% - 44%, which

provided enough data to evaluate and adjust the instructional program overall. Each of the six rubrics was scored, and a mean was calculated for each, facilitating judgments on changes in instructional effectiveness from semester to semester.

Rinto (2013) assessed student performance on an annotated bibliography assignment using a rubric that she created. She gathered three anonymous assignments from each of 58 sections of English 102, and with the assistance of three other librarians, applied the rubric to up to five annotations in each bibliography, analyzing a total of 773 annotations. Her study found that students struggled most with the critical evaluation of information sources, resulting in changes to her instructional approach to meet these learning objectives.

Diller and Phelps (2008) studied the data gathered as part of the rubric assessment of communication and IL learning outcomes that were part of the general education curriculum at Washington State University Vancouver. Students were asked to build an ePortfolio in which they indicated two examples of work that met the learning outcomes articulated in the learning goal matrix for general education. Communication and IL is one of the learning outcome categories within the learning goal matrix. The researchers describe the evidence for the validity and reliability for the rubric as well as the results of its application, most notably the significantly higher performance on the rubric by transfer students when compared to entry-level students.

Megan Oakleaf is responsible for the most significant work on rubric assessment of IL. She has long advocated the use of rubrics as an authentic assessment tool, particularly applicable to IL assessment (Oakleaf, 2007). She also studied the effect of

norming session on inter-rater reliability. In a study of student responses to an online IL tutorial, Oakleaf divided 25 rubric raters into five categories, three of which participated in norming sessions and two of which did not. She found higher inter-rater reliability within each of the three normed groups and between all three of the normed groups when compared to the three non-normed groups (Oakleaf, 2009). Finally, Oakleaf is responsible for a national project entitled Rubric Assessment of Information Literacy Skills (RAILS) in which participating institutions are trained and assisted in adapting the IL rubric developed by the Association of American Colleges and Universities into analytic rubrics for local use. The rubrics are then shared on the RAILS Web site, and the student performance data are gathered, analyzed, and shared as well (Oakleaf, 2011).

K-12 Information Literacy Assessment

Although IL assessment is not as heavily addressed in the K-12 literature as it is in the literature of higher education, the unique demands of assessment in this environment are indeed the topic of studies and scholarly work. Farmer and Henri (2008) provide a comprehensive introduction to IL assessment in the K-12 setting. Their text addresses the assessment process, the role that assessment plays in instructional design and the curricular integration of IL instruction, the tools available for school librarians and classroom teachers to use for assessment, and the pros and cons of developing their own. Of particular note is the chapter entitled "Problems in Assessing Information Literacy," which addresses the unique challenges of developing an assessment program in the K-12 environment where classroom teachers already have to devote so much time

and effort to preparing students for state-mandated proficiency tests. The implementation of an IL program can pose enough of a challenge in those environments with assessment placing more strain on the partnerships necessary for success (Farmer & Henri, 2008).

Farmer (2007) reviewed the currently available assessment options and tools. Her review is organized by the various domains of IL in which researchers may be interested and provides a concise overview of the options for K-12 school librarians and classroom teachers particularly interested in creating authentic or learner-centered evaluation.

Pinkham, Wintle, and Silvernail (2008) studied the Web site evaluation skills of junior high school students. Science teachers in the junior high school revised their curriculum focused on Web site evaluation before engaging in the study. Students were pre- and post-tested using a locally developed scenario-based assessment tool. The mean scores on the post-test were statistically significantly higher than on the pre-test, offering the researchers evidence of the effectiveness of their new curriculum.

In addition to focusing on the IL assessment of K-12 students, researchers have focused on the preparation of pre-service teachers in anticipation of their involvement in IL instruction and assessment. The integration of IL into K-12 curricula through well-prepared pre-service teachers is the very mission of the Institute for Library and Information Literacy Education (ILILE) at Kent State University (Brodie, Baldini, & Byerly, 2007).

Seely, Fry, and Ruppel (2011) assessed the information evaluation skills of pre-service teachers in an elementary education course. The researchers evaluated student submissions of a source evaluation assignment using the criteria established on an

evaluation model developed by library staff and available for all students to use when evaluating information. The researchers calculated the percent agreement between the students' evaluation of information quality on the five criteria and the librarian/expert evaluation, finding a range of agreement, but generally higher agreement between the judgments of pre-service teachers and librarians when evaluating Web sites than when evaluating journal articles. The librarians also provided feedback to the students with the goal of enhancing their information evaluation skills.

Development and Use of Standardized and Large-Scale IL Measures

In a recent review of the literature and of available IL assessment tools, Blevens (2012) listed three large-scale options: the Standardized Assessment of Information Literacy Skills (SAILS), the Information Literacy Test (ILT) from James Madison University, and the iSkills assessment from the Educational Testing Service (ETS). This section reviews the literature related to these three large-scale standardized assessments as well as one additional standardized test, the Information Literacy Assessment Scale for Education (ILAS-ED) as its validation study is well described.

The SAILS tests began as a research project in Kent State University Libraries in 2001. SAILS started as a cohort-based test of IL measuring the ACRL IL standards. From its earliest development phase, the project team used IRT and a thorough item development and validation procedure where each item passed through a cognitive interviewing phase, small group testing, and field testing before it could be used with the goal of providing a valid and reliable test of college-level IL (O'Connor, Radcliff, &

Gedeon, 2002). As the project progressed from the research phase to a more stable production phase, the project team described changes to the skill sets and the validity and reliability evidence gathered for the cohort test (Salem Jr. & Radcliff, 2007).

The SAILS tests have been widely used in assessment of IL at the university level. In the fall of 2011, Hill, Macheak, and Siegal (2013) administered SAILS to freshmen and seniors at the University of Arkansas at Little Rock. They found their incoming freshmen performing below the benchmarks for freshmen at other doctoral granting institutions on most SAILS skill sets and their seniors performing near the doctoral benchmarks on most skill sets. The study concluded that incoming freshmen did not arrive on campus with the IL skills needed for academic success and that the SAILS evidence suggested that those skills did improve throughout their college careers.

In addition to this study using the SAILS tests to measure IL, studies of the role of SAILS in IL assessment and campus assessment can also be found in the literature. Lym, Grossman, Yonnatta, and Talish (2010) surveyed all 83 institutions in the SAILS benchmark as of spring 2007, finding that perhaps the most significant benefit to participating institutions is as a conversation starter with instructional and curricular stakeholders on campus. “SAILS had ‘started the conversation’ about formal assessment” (Lym, Grossman, Yannotta, & Talih, 2010).

Rumble and Noe (2009) described similar results at Auburn University, publishing the results of their SAILS administration on campus. Their most significant success with the assessment project was using the findings to successfully make the case that IL must be more formally incorporated into the curriculum.

Cameron, Wise, and Lottridge (2007) described the development and validation of the ILT. The ILT was developed at James Madison University. It is a 60 item multiple-choice test measuring four of the five ACRL IL standards. This study offers evidence of the validity and reliability of the ILT. The researchers asked practicing academic librarians to rate whether the items in the ILT measured the ACRL learning objectives with which it was associated. The researchers also conducted a correlation study of the relationship between student performance on the ILT and the Information-Seeking Skills Test (ISST), another IL test, finding a moderate positive correlation between the two [$r(331) = .38$, $p < 0.001$]. The study also employed the bookmarking standard-setting procedure to set proficiency and mastery level cut scores on the test.

In 2001, the Educational Testing Service (ETS) began developing a test of information and communication technology (ICT). In 2003, early versions of the test were field-tested. During the development and refinement phase, the test was referred to as the ICT Assessment and is now called iSkills. ETS defines ICT as comprising seven skill areas: define, access, evaluate, integrate, create, and communicate (Somerville, Smith, & Macklin, 2008) The test is unique in that it is scenario- and performance-based and not multiple choice. Test-takers use an online environment created by ETS to accomplish scenario-based tasks (Egan & Katz, 2007) designed to measure technological competency as well as critical thinking skills (Somerville, Smith, & Macklin, 2008).

The development and validation of iSkills has been widely studied and reported in the literature. Katz (2008) offers a concise description of the evidence for the validity of the test. At that point in the development of iSkills, validity evidence included high

reliability estimates (α = 0.88), the use of Evidence-Centered Design to create the test, positive results of a review of the tasks by a panel of experts, and the results of a self-assessment by students who took iSkills regarding their comfort with ICT literacy.

The iSkills developers at ETS continued to add to the body of evidence for validity for the assessment. Tannenbaum and Katz (2008) describe the standard setting for the iSkills. The researchers used a modified Angoff procedure in which 18 educators independently reviewed the average score that would be received on all items by 100 qualified candidates. The results of this round were discussed in subpanels, and this process was repeated for three rounds, introducing the item-level data in round 1 as well as the impact these judgments would have on performance (the number of test-takers meeting or exceeding the preliminary cut scores). The cut scores that were developed in the third round were then reconciled in a full panel discussion.

Snow and Katz (2009) used cognitive interviews and performance testing on "naturalistic" tasks to gather further evidence of the construct validity for iSkills. They performed a correlation study in which 88 students took iSkills and performed more "naturalistic" ICT tasks in which they could use any tool available to them to meet the scenario goals. They also performed cognitive interviews with 11 of the test-takers during the "naturalistic" performance tasks. The study found a weak to moderate correlation between iSkills performance and these tasks [$r(88) = 0.40$]. The researchers also found that the students performed overall at a higher level on iSkills than on these more "natural" performance tasks. The study also describes the results of the cognitive

interviewing, focusing primarily on the thought processes that students use when evaluating information.

In addition to studies contributing to the validation evidence of iSkills, at least one study used the assessment tool as its measure of ICT. Krueger and Ha (2012) studied the ICT of graduate students in library science using iSkills. The researchers administered the test to 33 library school students, finding that 24 met or exceeded the cut score. They then individually interviewed the nine who did not meet the threshold and finally conducted focus groups with all participants. The overall objectives of the study were to determine whether entering graduate students would perform above the cut score on the test, whether the tool could be used for screening new students and assessing exiting ones, and finally whether any curricular changes could be identified. The interviews and focus groups, therefore, addressed the test itself and its administration, finding time allotment, the testing location, and test terminology among the most significant issues discussed by participants.

Beile (2005) describes the development and validation of the IL Assessment Scale for Education (ILAS-ED), a 22-item test measuring the ACRL IL standards and the International Society for Technology in Education's *National Educational Technology Standards for Teachers*. Beile established content validity through the item development process. She attempted to gather more evidence of content validity through a factor analysis of the subscales measured by the test with little success, likely due to the low number of items clustering around the four subscales that she conceptualized. Overall, she did conclude that the test was a reliable measure of IL for education students.

Development and Use of the TRAILS Assessments

Since the earliest development phase of the project, the TRAILS assessments have been described in the literature. Schloman and Gedeon introduced the project and described the development of the 9th grade assessments within a year of the launch of the first assessment (2007). Their first publication on the project indicated that a significant goal was to create a classroom assessment tool. The goal of the project at that point was not necessarily to create a valid and reliable test of IL. Schloman and Gedeon did not indicate at that time that assessments for any other grades were under consideration. In addition to describing the project and its goals, they also described the test item development process in which two school librarians served as consultants to develop test items to measure selected learning outcomes from the *Ohio Academic Content Standards* and the AASL standards from the latest edition of *Information Power.*

Schloman, Gedeon, and Schwelick (2010) updated the progress on the development of the project to include not only 6th grade assessments, but plans for 12th and 3rd grade assessments as well. This publication is also notable for describing the reports that are generated as well as tips for using TRAILS in classroom instruction, including resources available on the TRAILS Web site to help to integrate the assessments into IL instruction. Schwelik, Geitgey, and Higgs-Horwell (2013) provided an update on the completion of the mapping of all TRAILS items to Common Core Standards. The TRAILS update was part of a larger review of the tools available to help classroom teachers and school librarians in Common Core states align their curriculum and instruction with their new standards.

In addition to reports on the project or the development of new assessments, uses of TRAILS in classroom assessment and research can be found in the literature. Owen (2010) offers a practical guide to using TRAILS as part of instructional assessment for classroom teachers or school librarians. Kovalik, Yutzey, and Piazza (2012) used TRAILS assessments in a longitudinal study to assess the acquisition of IL skills. They administered the 9th grade assessment to incoming freshmen and then administered the 12th grade assessment to 201 of the same students as graduating seniors. The researchers found a statistically significantly higher mean on the 12th grade assessment and concluded that it was evidence of the development of IL skills throughout the high school careers of those students.

Bailey and Paul (2012) describe a county-wide research project in which TRAILS was used to measure IL in grades 5, 8, and 11. The project sought to measure the impact of the county's IL program and the impact of IL on academic success as defined by scores on the Maryland School Assessment in reading and the High School Assessment in English. Students in 5th grade were given the 6th grade TRAILS assessment, and students in the 8th and 11th grade were given the 9th grade TRAILS assessment to measure their IL. The researchers found their students performing above the national benchmarks provided for the assessments, concluding that the instruction they received was effective. They then used a multiple regression to determine whether IL was related to academic success as defined earlier and did indeed find a statistically and meaningfully significant relationship.

CHAPTER III
METHODOLOGY

As discussed in Chapter I, the purpose of this study is to examine the psychometric properties of IL test items, gather evidence of the construct validity of the tests that are developed using selected items, and then to set the standard for scoring these tests to facilitate the measurement of K-12 IL. This chapter describes the research design, setting, and populations and samples in this study. The data collection needs for the study, as well as the data collection methods and statistical analyses for the data gathered, are discussed as well. The chapter is organized by the three research questions that inform the study, as the design, participants, data gathered, and analyses differ for each.

Research Question 1: Valid and Reliable Test of IL at Each Grade Level

As discussed in Chapter I, prior to this study, the TRAILS item banks for each grade level had been administered in separate assessments. These assessments are not parallel and generally do not meet the *coefficient alpha* threshold of 0.70 – 0.80 expected for instruments in the social sciences in general and those used in standards-based assessment in particular (Nunnally & Bernstein, 1994). In order to determine whether the current TRAILS item banks could be used to create valid and reliable tests of IL for each grade level, the entire item bank was administered to students in the associated grade levels in proctored testing environments.

In order to avoid scoring complications and testing confusion, two multiple response option test items were removed from the item bank before administering the items to participants. The number of potential items available for use in valid and reliable IL tests for each grade level is 30 for the 3rd grade, 39 for the 6th grade, 49 for the 9th grade, and 60 for the 12th grade. In all cases, students in these testing environments responded to twice as many items as they would in a classroom use of the general assessments available for each of their grade levels prior to this study. To randomly distribute any potential effects of test fatigue on the performance on individual items, the items were displayed randomly to each test taker.

For each grade level test, a minimum sample size of 500 was sought. The sample size of 500 was selected to accommodate the analysis of the item and scale level data using the Rasch IRT model. The selection of the Rasch model and its application in this study will be discussed in more detail shortly; however, the issues affecting sample size will now be discussed. The primary application of the Rasch model in the current study is to calibrate the items in the TRAILS item banks for each grade level with regard to their difficulty level and fit to scale. De Ayala (2009) suggests that a sample size of three to 10 participants per item is optimal for setting a goal for calibrating a test using the Rasch model. For the purposes of this study, a ratio of 8:1 (participants to items) was sought.

With 60 items in the 12th grade item bank, even the largest item bank is within this 8:1 ratio. With one exception, the preliminary reliability analysis of described in Chapter I indicated that the target test lengths should be within this 8:1 ratio as well. In

order to determine a range of test lengths for each grade level test, the Spearman Brown prophecy formula was applied to the data gathered in the reliability study described above. When the current number of items in a test and its *coefficient alpha* is known, the following iteration of the Spearman Brown formula can be used to estimate the number of items needed to achieve a desired *coefficient alpha.*

$$N = \frac{rxx'\ (1 - ryy'\ )}{ryy'\ (1 - rxx'\ )}$$

Where *N = the number of items*

ryy' = the estimate of reliability for the current test (*coefficient alpha)*

rxx' = the desired estimate of reliability (*coefficient alpha)* (Allen & Yen, 1979) .

Using 0.80 as the desired *coefficient alpha,* ranges of test length were calculated based on the reliability estimates for each general assessment from each grade level discussed in Chapter I. See Table 3 for the estimated test lengths based on the reliability analysis discussed in Chapter I.

Table 3

Estimated Test Lengths Calculated Using the Spearman Brown Formula (0.80 Desired Alpha)

Grade	Alpha: Test 1	Current n	Estimated n	Alpha: Test 2	Current n	Estimated n
3	0.638	15	34	0.710	15	25
6	0.686	20	36	0.654	19	40
9	0.661	25	51	0.712	24	38
12	0.665	30	60	0.578	30	87

At the higher end of the test length estimate, the 12th grade item bank does exceed the 8:1 ratio of participants to items suggested for the current study. If a test length at the higher end of this estimate were to have been required to create a valid and reliable test of IL for 12th graders, the current TRAILS item bank would have been insufficient; therefore, targeting a sample in excess of 500 for this purpose was irrelevant to answering the first research question. Finally, the sample size of 500 is recommended by Linacre (1994) for robust estimates in most calibration applications.

Since the TRAILS general assessments were already used nationally and the items have been mapped to measure the Common Core Standards that are aligned with IL learning outcomes, a nationally representative sample was sought. Participants were recruited at the school district level through a call for volunteers on professional listservs, on the TRAILS Web site, and through direct communication to school librarians and classroom teachers who have already administered the current TRAILS assessments.

Although participants were not screened at the point of testing, all data analysis was limited to responses to the items by students at the targeted grade level. For example, the analysis of data for the 12th grade test will only use responses by 12th grade students, as indicated by the test-taker. It was therefore necessary to recruit sample sizes larger than the minimum 500. All communications did stress the need for students in the associated grade level; however, in case of miscommunication, at least 560 participants were recruited for each test so that up to 10% can be eliminated if they are not in the associated grade level and still meet the minimum 500 participants for each test.

In all cases, the samples gathered exceeded expectations. After non-grade level students and cases where students had clearly stopped responding (more than 33% of the responses were missing values) were removed, all samples exceeded the 500 threshold (3rd grade $N = 1{,}108$; 6th grade $N = 1{,}440$; 9th grade $N = 621$; 12th grade $N = 527$).

The data gathered by administering the entire grade level item banks to associated grade level students was first analyzed through a preliminary application of the Classical Test Theory (CTT) model. A *coefficient alpha* was calculated for the entire grade level item bank and served as the starting point for the grade level test. As described above, the Spearman Brown formula was used to estimate the test length needed to maintain or achieve an *Alpha* of 0.80. Based on the application of the Spearman Brown formula to the general assessments, it was anticipated that the estimated test lengths needed to achieve this threshold would be shorter than the item bank, allowing for the selection of items with the best psychometric properties. This preliminary analysis attempted to identify items that made good selections for deletion from the final version of the tests.

The CTT model estimates the point biserial correlation between the item and the overall scale as well as the *coefficient alpha* for the scale if the item were removed. Both indices were used to identify items to be considered for removal. Negative point biserial correlations between the item and scale, as well as any item that will increase the *alpha* with its removal, were identified in this preliminary analysis for further investigation (Allen & Yen, 1979).

Following this preliminary analysis, the grade level item banks were analyzed using the Rasch IRT model. The Rasch IRT model was selected as the measurement model for this study as it is based on the assumption that each test-taker has an ability level, that each item on a test has a difficulty level, and that each of these can be expressed in relationship to each other on a line (Bond & Fox, 2007). The IRT model is particularly suitable for test validation as it is able to estimate more information regarding individual items than the CTT model. A difficulty level for each item is estimated as well as indices for the fit of the item to the scale.

The Rasch IRT model also estimates scale level indices, including item and person separation and item and person reliability. Person reliability is interpreted much like *coefficient alpha.* It is on the same 0 to 1 scale and represents the degree to which persons would be placed in the same locations on the ability continuum with repeated measurements using parallel test items. Item reliability is unique to IRT. It is also on the same 0 to 1 scale, but represents the degree to which items would be placed in the same order on the difficulty scale with repeated administrations to different samples. Both item and person separation are measures of the spread of difficulty represented by the

items and ability level represented by persons measured. In both cases, a high number is sought (Bond & Fox, 2007) .

The IRT model was selected due to not only the ability to estimate item and scale level indices that include difficulty, separation, reliability, and fit, but also because it effectively facilitates two additional analyses, the analysis of item distractors and differential item functioning (DIF) analysis. The Rasch model in particular is useful in analyzing the effectiveness of item distractors. By treating each distractor as its own dichotomous item, the Rasch model distractor analysis is able to not only indicate the distractors that are overall appealing to test-takers, but to note those distractors that are overly appealing to test-takers who otherwise perform well on the scale (W. Wang, 1998).

The IRT model was also selected to facilitate the analysis of DIF to ensure that the items generally operate in a similar way based on the gender and race/ethnicity of the test-taker. The IRT model is especially useful in DIF analyses as it does not require the 200 sample size for each group that is required for some DIF analyses (Lai, Teresi, & Gershon, 2005). The Rasch IRT model was used to analyze DIF for gender and race/ethnicity for all items in the grade level item banks. To facilitate the DIF analysis, respondents were asked (in the case of the 3rd grade test, test administrators were asked to help) to indicate their gender as well as their race/ethnicity. The categories for race/ethnicity were selected from those used on the 2010 Census form: Asian, Black, Non-Hispanic, Hispanic, American Indian or Alaskan Native, Multiracial, Pacific Islander, and White, Non-Hispanic (U.S. Bureau of the Census, 2011).

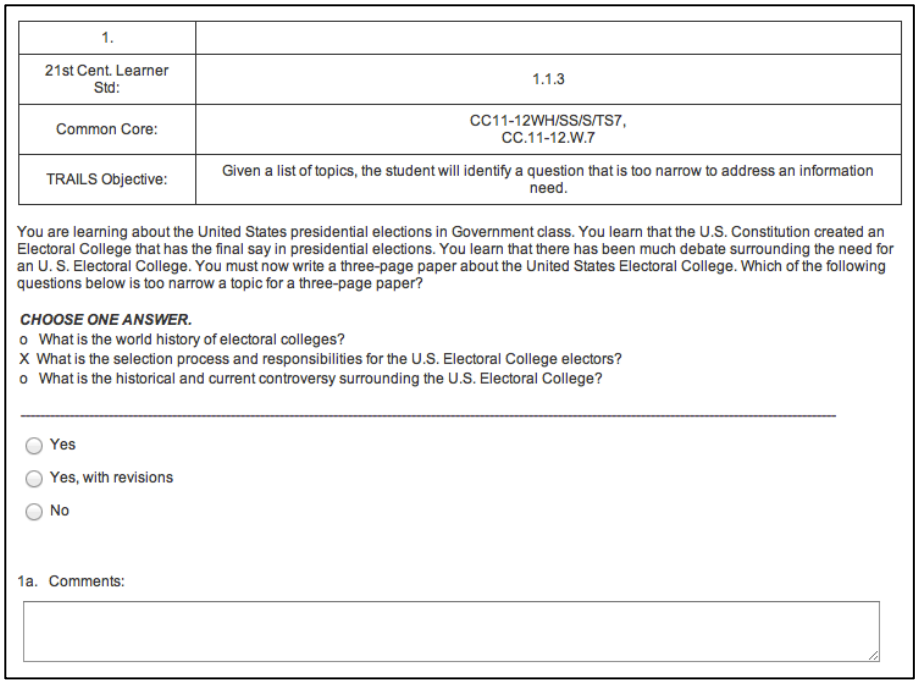
Among the available IRT models, the Rasch model was selected to analyze the data gathered by administering the grade level item banks to grade level appropriate test takers in order to balance the data needed to select items for the finalized tests and the sample size needed to ensure reliable estimates. In addition to person ability and item difficulty, the two parameter logistic IRT model estimates item discrimination. The three parameter logistic IRT model estimates person ability, item difficulty and discrimination, as well as guessing on items (Hambleton, Swaminathan, & Rogers, 1991). Item discrimination can be especially useful in identifying items that negatively discriminate, that is, decease in probability of answering correctly as a person's ability level decreases. Such items should be eliminated from the test (Hambleton, Swaminathan, & Rogers, 1991). It was assumed, however, that the combination of difficulty indices and the distractor analyses would eliminate such items. The third parameter of guessing can be useful as well; however, guessing is to be assumed as a condition of low stakes testing (Wise, 2009). The guessing parameter may be more applicable in later testing applications that place more emphasis on student performance on the TRAILS test. The addition of each parameter increases the sample size needed for reliable estimates (De Ayala, 2009) and, therefore, the Rach IRT model was selected for the current study.

For each grade level test, items were selected based on their fit to scale and the results of the distractor analysis and DIF analyses. They were then sampled to represent the five TRAILS subcategories and to provide a suitable difficulty spread over the entire IL construct for the grade level. A content analysis was then conducted to ensure item independence (Thorndike, Cunningham, Thorndike, & Hagen, 1991).

Research Question 2: Evidence of Content Validity

To determine whether any evidence exists for the content validity of the grade level tests that were created as a result of the data gathering and analysis to answer research question number one, two methods were proposed. First, content experts were asked to rate the degree to which each item on the draft tests measures the TRAILS objective with which it is associated. Although each item has subsequently been mapped to the 21st Century Learner objectives and Common Core Standards, each item was originally written to measure a TRAILS objective. In order to minimize confusion among raters, only the TRAILS objective will be displayed along with the information for each of the associated 21st Century Learner and Common Core learning outcomes.

Raters were asked to employ a three-point scale to rate the degree to which the item measures the associated objective: no, yes with revisions, or yes. For each item, raters were given the opportunity to provide proposed revisions. The instrument was based on the same methodology used to gather evidence for the content validity of another test of information literacy, the ITL with one modification. The neutral category for the validity study of the ITL was labeled "not sure" and the instrument did not allow for item level feedback (Cameron, Wise, & Lottridge, 2007). See Figure 1 for an example of the form that each rater completed for each item.



1.	
21st Cent. Learner Std:	1.1.3
Common Core:	CC11-12WH/SS/S/TS7, CC.11-12.W.7
TRAILS Objective:	Given a list of topics, the student will identify a question that is too narrow to address an information need.

You are learning about the United States presidential elections in Government class. You learn that the U.S. Constitution created an Electoral College that has the final say in presidential elections. You learn that there has been much debate surrounding the need for an U. S. Electoral College. You must now write a three-page paper about the United States Electoral College. Which of the following questions below is too narrow a topic for a three-page paper?

CHOOSE ONE ANSWER.

o What is the world history of electoral colleges?
X What is the selection process and responsibilities for the U.S. Electoral College electors?
o What is the historical and current controversy surrounding the U.S. Electoral College?

◯ Yes
◯ Yes, with revisions
◯ No

1a. Comments:

Figure 1. Example of the information provided for each item on the rating scale.

Raters were school librarians and classroom teachers in the associated grades for each grade level test. They were recruited through a message to professional listservs, a message on the TRAILS Web site, and direct message to colleagues who have administered the TRAILS assessments. Five raters were sought for each test, based on the recommendations of sample size for studies employing the intraclass correlation as a measure of inter-rater reliability (Walter, Eliasziw, & Donner, 1998). For each test, the sample threshold for raters was exceeded (3rd grade, $N = 21$; 6th grade, $N = 17$; 9th grade, $N = 15$; 12th grade, $N = 10$). The study of the validity of the ILT, which employed a similar instrument and methodology, presented frequencies for each response for each item and the scale overall (Cameron, Wise, & Lottridge, 2007). The same presentation of the data gathered through this item rating is used in the current study.

In addition to seeking the opinion of content experts regarding the degree to which the items measure their associated TRAILS IL objectives, evidence of content validity was sought by measuring the relationship between reading and item difficulty. Although reading is a necessary skill for IL and a test of IL will undoubtedly require reading, it should not be the construct measured by the items on a test of IL. To determine the degree to which reading effects item difficulty on the TRAILS tests, a correlation study was conducted. The number of alphanumeric characters in the item stem and responses for each item were counted and input as a variable for each item, and then the correlation between that number and the difficulty level as estimated by the Rasch IRT model was estimated. It was hypothesized that a weak to moderate positive correlation would be found between the amount of reading and item difficulty. A strong positive correlation would be interpreted as evidence that the test overly measures reading as a construct rather than IL.

Research Question 3: Proficiency Score on Each Test

A modified bookmarking standard-setting method was employed to determine a proficiency score for each grade level test. The bookmarking method was selected as the foundation for the standard-setting procedure in this study because it is regarded as easy to implement and interpret for the participants (Cizek & Bunch, 2007), which was essential due to the modifications that would be necessary. It also employs IRT as its basis for item difficulty interpretation (Karantonis & Sireci, 2006) making it a suitable selection for the current study. Finally, it was successfully modified to establish

proficiency and advanced scoring standard for another test of information literacy, the ILT (Cameron, Wise, & Lottridge, 2007).

The bookmarking method employs three rounds of data gathering. In the first round, participants are individually asked to review an ordered item booklet for the test in which each item is presented, one on each page, in ascending order of difficulty. They are then asked to select the most difficult item that meets the decision rule established for the study for each standard being sought for the test (Karantonis & Sireci, 2006). Wang (2003) suggests using 50% as the decision rule in bookmarking standard, meaning that in this first round, participants would be asked to identify the most difficult item that still gives a proficient student a 50% chance of answering correctly. The 50% decision rule was selected for the current study as it is based on the IRT assumption that when a person's ability level and an item's difficulty level are aligned, that test taker has a 50% chance of answering correctly. In addition to theoretically aligning with the measurement model employed for the current study, this allowed for simple interpretation of results during the second and third rounds, facilitating participant engagement and the ability to conduct the second round of the bookmarking method through online Web conferencing sessions.

In the second round of the bookmarking method, the results of the participants' individual bookmarking are aggregated and presented. The individual items that are selected are reviewed as well as the mean and median items for the group. These measures of central tendency are then used to place cut lines on the test for each standard being sought. Based on a review of the items situated before and after these starting

points, the lines can be moved according to the preference of the group. When cut lines based on the items necessary for a proficient or advanced student to master are tentatively established, they are converted to a raw score on the test by aligning the item that is selected by the group with a person's ability level on the test, or *theta.* In the Rasch model, a raw score on the test is associated with each *theta* level. By setting a decision rule of 50%, the item difficulty and *theta* are aligned. With a higher decision rule, such as the 67% proposed by Cizek and Bunch (2007), a conversion is needed. Participants review not only the raw score, but the impact that score would have on a typical test sample, by examining the percentage of test takers that would meet that threshold. In the third round, these tentative decisions are reviewed and finalized (Cizek & Bunch, 2007) by returning to individual bookmarking.

For the current study, the bookmarking method was slightly modified to balance the number of participants needed, the interest in obtaining as much of a national or at least regional perspective as possible, and the need to have one group review the established scores for all four tests. The bookmarking method described above typically involves the same participants in all three rounds and takes place in person in a single day, or two-day span at most (Cizek & Bunch, 2007). School librarians and classroom teachers in the associated or closely associated grades for each test were recruited as participants for each standard setting session through a message on the TRAILS Web site, message to professional listservs, and direct messages to colleagues currently administering the TRAILS assessments. As the goal of the sessions was to come to group consensus regarding the proficiency score, and to explore the concept of IL

proficiency at the associated grade level, the targeted number of participants for each test was five to eight based on a recommendation by Krueger and Casey (2009) of the number of participants needed for noncommercial focus groups. For each test, the sample threshold for round one and two participants was exceeded (3rd grade, $N = 6$; 6th grade, $N = 6$; 9th grade, $N = 7$; 12th grade, $N = 8$). The number of participants varied somewhat between rounds one and two as the Web conferencing platform allowed participants to arrive late, leave early, and participate in the conversation at varying levels. A stable number of at least four participants persisted for each Web conferencing sessions (Round 2), with most of the discussions enjoying full participation.

For this study, the recruited participants received an ordered item booklet for the test that they reviewed via e-mail. They were then asked to submit the item that met the decision rule via e-mail as well shortly before the scheduled Web conferencing session. The Web conferencing session facilitated the data gathering in the second round of the bookmarking method. A report was generated including the items submitted by each participant, the mean and median items for the group, all items and associated Rasch difficulty levels in difficulty order, selected data from the Rasch output that converts *theta* levels to raw test scores and percentile, and the items and associated objectives in difficulty order. The participants were asked to indicate the process by which they selected their item, and then the group examined the measures of central tendency as starting points for setting the proficiency level using the items and associated objectives. Once a tentative cut line was selected, it was converted to a raw score, and the percentage of test-takers meeting that level was discussed. The line was adjusted until group

consensus could be met or a summary statement for the group could be made. Each session was recorded to facilitate an analysis of the themes that emerged from the group discussion in addition to the scoring standard that was proposed.

Six members of the TRAILS team made up the participants for round three of the modified bookmarking process in an in-person session. This modification was made so that one group could have the opportunity to review the proficiency levels proposed for all grade level tests and make adjustments according to the trends in the standards and a report of the themes that emerged during the sessions. The reports that were prepared for the second round for each test were supplemented to include the results of that round and a short report of the discussion themes. All four reports were distributed to the TRAILS team before the standard setting session where the tentative proficiency levels were discussed as well as options for alternate cut scores.

At the conclusion of the discussion, each of the six members of the TRAILS team was asked to complete a scoring sheet indicating his or her preferred proficiency score as well as the conversion to a raw score, and finally the impact that the raw score would have on a sample of test-takers. The mean item order for each test was then calculated and used to set the proficiency for each test. See Appendix B for the scoring sheet used by the TRAILS team in round three of the standard setting process.

CHAPTER IV
RESULTS

This chapter presents the results of three phases of data gathering spanning October 2012 through May 2014. The chapter is first organized by three research questions that inform this study and then within each section, the data are presented for each test independently. The results presented in this chapter are interpreted and discussed in greater detail in Chapter V.

Research Question 1

The results in this section are organized by each grade level test, starting with grade three ascending through the 12th grade test. The results of the preliminary CTT analysis are first presented along with selected Rasch IRT model data for the draft tests including overall item statistics, person-item map, the results of the distractor analysis, and DIF analyses for gender and race/ethnicity. The same Rasch IRT model data are presented for the entire item banks at each grade level in Appendices C-F for comparison.

Grade 3 Test

The initial step in the process to answer research question 1 was to analyze the entire grade level item bank, first using CTT to determine the estimated reliability as measured by *coefficient alpha* and then an estimated test length using the Spearman Brown prophecy formula. In order to maintain a *coefficient alpha of* 0.80, the 30-item 3rd grade item bank ($\alpha = 0.85$) projected to a test length of 21 items on initial analysis.

In addition to estimating the test length needed to achieve a suitable reliability index, the CTT analysis was used to identify test items that may be suitable for removal based on their low item-total correlation and the impact their removal would have on the *coefficient alpha* of the draft test. Since the CTT analysis was intended only to identify potential items for further examination during Rasch IRT analysis, a negative item-total correlation was used to identify items that may be candidates for removal based on recommendations by Allen and Yen (1979). Based on this criterion, student performance on all items correlated with their performance on the item bank overall, so these items were identified for potential removal. Table 4 presents the item-total statistics for the entire grade three level item bank if the identified item were removed.

After this initial CTT analysis was completed, the entire 3rd grade item bank was analyzed using the Rasch IRT model. Items were then selected based on their psychometric properties, and to sample the content covered by the item bank. The results of the initial Rasch analysis of the 3rd grade item bank can be found in Appendix C. The same data for the draft Grade 3 TRAILS Test are presented below.

Table 4

Item-Total Statistics for 3rd Grade Item Bank

Item	Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item-Total Correlation	*Coefficient Alpha* if Item Deleted
460	16.35	33.122	0.441	0.843
461	16.53	33.868	0.318	0.847
462	16.70	35.092	0.137	0.851
470	16.59	34.370	0.243	0.849
472	16.22	33.255	0.449	0.843
474	16.42	33.037	0.454	0.843
481	16.20	34.109	0.294	0.848
482	16.11	34.119	0.335	0.846
483	16.71	35.546	0.041	0.854
484	16.54	34.955	0.125	0.853
490	16.28	33.289	0.423	0.844
496	16.19	33.263	0.460	0.843
501	16.14	33.586	0.429	0.844
505	16.54	33.591	0.373	0.845
514	16.19	33.067	0.500	0.842
516	16.48	33.814	0.320	0.847
517	16.49	33.387	0.400	0.845
521	16.62	34.588	0.209	0.850
534	16.10	33.424	0.495	0.842
536	16.20	33.486	0.413	0.844
562	16.32	33.644	0.351	0.846
575	16.37	33.223	0.421	0.844
581	16.36	33.343	0.400	0.845
727	16.19	33.061	0.505	0.842
728	16.12	33.495	0.464	0.843
729	16.27	33.284	0.427	0.844
730	16.19	35.312	0.070	0.854
731	16.14	33.304	0.490	0.842
732	16.20	32.993	0.510	0.841
733	16.30	32.860	0.496	0.842

Rasch analysis of the draft 3rd grade TRAILS test. The final draft 3rd grade test contained 20 items. Items were sampled from all five TRAILS categories (Develop Topic, $N = 3$; Recognize How to use Information Responsibly, Ethically, and Legally, $N = 5$; Identify Potential Sources, $N = 5$; Develop, Use, and Revise Search Strategies, $N = 4$; Evaluate Sources and Information, $N = 3$). Although 1,108 students took the entire item bank, the Rasch IRT analyses are based on a sample of 1,082 students. Before any analysis was completed, missing data were coded to represent incorrect responses. It is assumed that these 26 cases were not estimated due to the number of incorrect responses as a result of missing data.

For the draft 3rd grade test, the scale level indices indicate an acceptable level of test reliability ($\alpha = 0.81$). The Rasch model estimates a person reliability coefficient, which is interpreted much like coefficient alpha. Person reliability indicates the degree to which the test reliably orders test-takers by their ability level (person reliability = 0.77). The Rasch model also estimates an item reliability index, which indicates the degree to which the items will remain in their difficulty order with repeated administrations (item reliability = 0.99). Both indices are placed on 0 to 1 scale with values closer to 1 sought as desirable (Bond & Fox, 2007).

The Rasch model also estimates the ability of the scale to distinguish among test-takers based on their performance by calculating a person separation index. A value over 1.00 is sought (person separation =1.81). A scale's ability to distinguish among test-takers is ideal and represented in the Rasch IRT model by higher person separation values (Bond & Fox, 2007).

Finally, the Rasch model similarly estimates the separation of items by their difficulty level by calculating an item separation index. Ideally, item difficulty should not be redundant. Item separation is interpreted much like person separation. A value over 1.00 is sought (item separation = 13.21). A scale's lack of item difficulty redundancy is represented by higher item separation values (Bond & Fox, 2007). Both person and item separation are represented in the person-item map for the draft 3rd grade test in Figure 2.

Item level indices indicate overall fit to scale for all items included in the draft test. A point-measure correlation is calculated for each item indicating the item-total correlation. The point-measure correlation differs by including the item in the total score calculation, but can be interpreted much like the same statistic in the initial CTT analysis of the entire item bank discussed earlier. All items are positively correlated with the scale. See Table 5 for the point-measure correlations for all items in the draft 3rd grade test.

In addition to the point-measure correlation, the Rasch model calculates two fit statistics for each item, infit and outfit. The infit statistic represents the appeal of the item to test-takers who perform around the mean of the test. The outfit is not anchored to the mean and therefore represents the appeal of the item to more outlying performers. More weight is generally given to infit statistics (Bond & Fox, 2007). A mean square and standardized "Zstd" value are reported. The mean square for both infit and outfit were

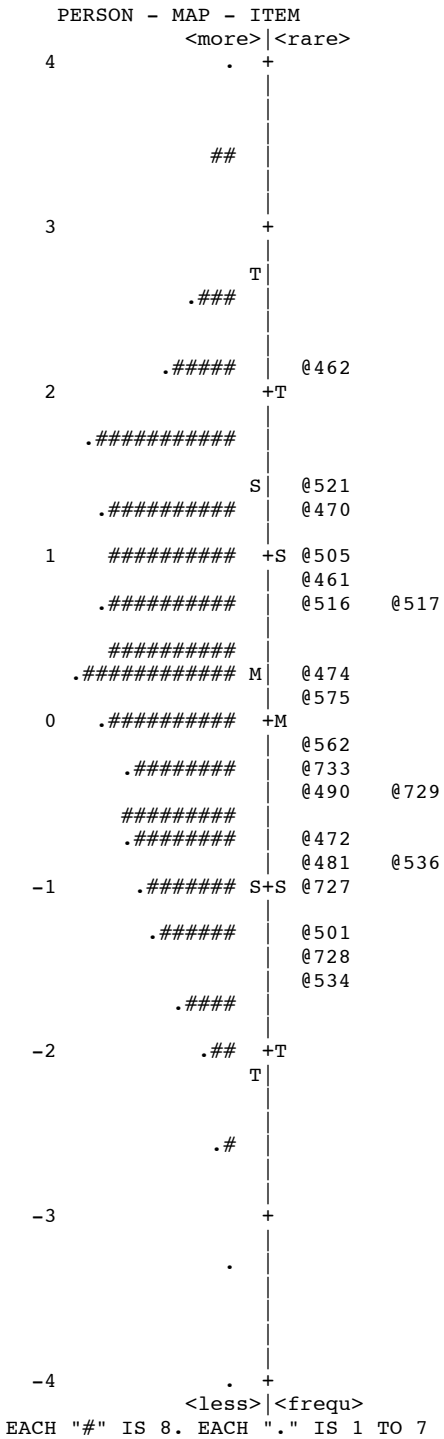


Figure 2. Person-Item Map for Draft 3rd Grade Test.

Table 5

Rasch IRT Model Data for Draft 3rd Grade Test

Item	Measure	Infit Mean Square	Outfit Mean Square	Point-Measure Correlation
462	2.07	1.16	1.47	0.25
521	1.49	1.17	1.50	0.30
470	1.32	1.14	1.25	0.34
505	1.02	0.98	1.00	0.47
461	0.92	1.07	1.08	0.41
517	0.77	0.98	0.96	0.49
516	0.70	1.05	1.09	0.43
474	0.34	0.92	0.90	0.53
575	0.08	0.97	0.94	0.50
562	-0.16	1.06	1.07	0.43
733	-0.26	0.88	0.84	0.55
490	-0.36	0.96	0.92	0.50
729	-0.44	0.96	0.93	0.49
472	-0.72	0.94	0.86	0.50
536	-0.83	0.99	0.93	0.46
481	-0.84	1.12	1.08	0.37
727	-0.95	0.88	0.79	0.53
501	-1.23	0.97	0.91	0.44
728	-1.39	0.91	0.78	0.48
534	-1.51	0.88	0.72	0.49

interpreted with a value of 1.0 as the ideal and a range of 0.5 – 1.50 indicating good fit to scale for each item as "mean-squares near 1.0 indicate little distortion of the measurement system, regardless of the Zstd value" (Linacre). See Table 5 for infit and outfit statistics for the draft 3rd grade test.

A Rasch model distractor analysis was conducted for the draft 3rd grade test. The analysis treats each response as a separate item, calculating a measure for each. In addition to reviewing the overall difficulty or appeal of individual distractors, the analysis

allows for a review of those items for which the distractors are not operating in the way in which they are intended. Distractors for which the average ability does not ascend with the item are identified in the analysis, indicating that the identified distractor is overly appealing to test takers who otherwise perform well on the test (Linacre). The analysis did not identify any misleading distractors. See Figure 3 for the results of the distractor analysis for the draft 3rd grade test.

The final Rasch IRT model analyses for the draft 3rd grade test were differential item functioning (DIF) analyses to identify item bias based on gender and race/ethnicity. For these analyses, gender and race/ethnicity were evaluated separately. Race/ethnicity was analyzed for five of the seven categories gathered, as the categories of Pacific Islander and American Indian or Alaskan Native did not meet or approach the sample of 30 recommended by Lai and Gershon (2005). For the gender analysis, the sample was pretty evenly split, (female, $N = 237$; male, $N = 271$). Group sizes for the race/ethnicity analysis were more varied (Asian, $N = 29$; Black, Non-Hispanic, $N = 68$; Hispanic, $N = 40$; Multiracial, $N = 31$; White, Non-Hispanic, $N = 345$).

A *Chi-Square* was calculated for each item for each DIF analysis with $p < 0.05$ indicating a statistically significant difference in performance among the groups in the analysis. Based on gender, significant differences were found for items 462, 472, and 733; however, the DIF contrasts for these three items did not meet the 0.64 logit difference that indicates a moderate to large difference in performance (Linacre).

ENTRY NUMBER	DATA CODE	SCORE VALUE	DATA COUNT	%	AVERAGE MEASURE	S.E. MEAN	OUTF MNSQ	PTMEA CORR.	ITEM
2	.	0	28	3	-1.34	.24	.3	-.21	462
	4	0	154	14	-.36	.08	.6	-.21	
	1	0	306	28	-.01	.06	.9	-.15	
	3	0	381	35	.54	.06	1.6	.16	
	2	1	213	20	.91	.09	1.6	.25	
12	.	0	44	4	-1.04	.18	.4	-.22	521
	2	0	88	8	-.51	.10	.5	-.19	
	1	0	318	29	.09	.06	1.1	-.10	
	3	0	327	30	.31	.06	1.4	.02	
	4	1	305	28	.87	.07	1.6	.30	
3	.	0	38	4	-1.49	.19	.3	-.27	470
	1	0	163	15	-.20	.08	.8	-.16	
	4	0	160	15	-.17	.09	.9	-.15	
	2	0	387	36	.31	.05	1.4	.01	
	3	1	334	31	.91	.07	1.3	.34	
6	.	0	41	4	-1.23	.18	.5	-.24	481
	1	0	278	26	-.30	.06	1.1	-.28	
	2	1	763	71	.58	.04	1.1	.37	
1	.	0	37	3	-1.16	.20	.4	-.22	461
	1	0	86	8	-.64	.12	.6	-.22	
	2	0	83	8	-.41	.11	.7	-.16	
	3	0	466	43	.12	.05	1.3	-.12	
	4	1	410	38	.94	.05	1.1	.41	
15	.	0	37	3	-1.39	.22	.5	-.25	562
	2	0	120	11	-.41	.10	.9	-.20	
	4	0	104	10	-.22	.10	1.1	-.13	
	3	0	188	17	-.17	.07	1.2	-.17	
	1	1	633	59	.73	.05	1.1	.43	
10	.	0	39	4	-.85	.24	.8	-.18	516
	3	0	223	21	-.18	.07	.9	-.19	
	2	0	141	13	-.18	.08	.9	-.14	
	4	0	224	21	-.04	.07	1.0	-.13	
	1	1	455	42	.91	.06	1.2	.43	
8	.	0	43	4	-1.39	.19	.5	-.28	501
	1	0	155	14	-.60	.08	.9	-.29	
	3	0	56	5	-.47	.13	1.0	-.14	
	2	1	828	77	.59	.04	1.0	.44	
14	.	0	41	4	-1.18	.20	.6	-.24	536
	1	0	154	14	-.63	.08	.9	-.30	
	3	0	126	12	-.35	.08	1.0	-.19	
	2	1	761	70	.65	.04	1.0	.46	
9	.	0	22	2	-1.48	.24	.2	-.21	505
	1	0	157	15	-.82	.07	.4	-.37	
	4	0	121	11	-.02	.09	.9	-.09	
	2	0	391	36	.15	.05	1.3	-.08	
	3	1	391	36	1.05	.06	1.0	.47	

18	.	0	23	2	-1.97	.21	.2	-.27	728
	1	0	124	11	-.81	.08	.8	-.32	
	3	0	83	8	-.60	.10	.9	-.21	
	2	1	852	79	.59	.04	.9	.48	
11	.	0	34	3	-1.35	.22	.4	-.24	517
	1	0	271	25	-.36	.06	.7	-.30	
	2	0	336	31	.02	.06	1.2	-.14	
	3	1	441	41	1.01	.05	1.0	.49	
19	.	0	37	3	-1.52	.19	.4	-.27	729
	2	0	126	12	-.79	.08	.6	-.32	
	3	0	231	21	-.21	.06	1.2	-.21	
	1	1	688	64	.74	.04	1.0	.49	
13	.	0	42	4	-1.16	.19	.7	-.23	534
	4	0	31	3	-1.10	.16	.5	-.19	
	1	0	98	9	-.91	.09	.7	-.31	
	2	0	42	4	-.71	.13	.8	-.16	
	3	1	869	80	.58	.04	.9	.49	
16	.	0	29	3	-1.09	.25	.6	-.18	575
	2	0	62	6	-.80	.12	.6	-.22	
	1	0	107	10	-.62	.09	.7	-.24	
	4	0	301	28	-.14	.06	1.1	-.21	
	3	1	583	54	.85	.05	1.0	.50	
7	.	0	32	3	-1.44	.25	.7	-.24	490
	2	0	225	21	-.51	.06	.8	-.33	
	3	0	152	14	-.30	.07	.9	-.19	
	1	1	673	62	.76	.04	1.0	.50	
4	.	0	37	3	-1.10	.18	.6	-.21	472
	1	0	107	10	-.62	.10	.9	-.24	
	4	0	101	9	-.56	.09	.8	-.22	
	3	0	97	9	-.53	.10	.9	-.21	
	2	1	740	68	.70	.04	.9	.50	
17	.	0	36	3	-1.35	.17	.4	-.25	727
	3	0	68	6	-.82	.10	.6	-.23	
	1	0	63	6	-.79	.11	.7	-.22	
	4	0	133	12	-.58	.08	.9	-.26	
	2	1	782	72	.69	.04	.9	.53	
5	.	0	38	4	-1.09	.23	.7	-.21	474
	2	0	62	6	-.61	.11	.6	-.18	
	1	0	226	21	-.50	.06	.7	-.33	
	3	0	227	21	-.03	.07	1.2	-.13	
	4	1	529	49	.96	.05	.9	.53	
20	.	0	33	3	-1.35	.26	.7	-.23	733
	4	0	114	11	-.51	.09	.9	-.22	
	1	0	109	10	-.51	.10	.9	-.21	
	2	0	173	16	-.46	.06	.8	-.26	
	3	1	653	60	.83	.04	.9	.55	

Figure 3. Distractor Analysis for Draft 3rd Grade TRAILS Test.

See Table 6 for the *Chi-Square* statistics for gender differences on the draft 3rd grade test. The DIF contrasts for both gender and race/ethnicity for the draft 3rd grade test can be found in Appendix G.

Table 6

Chi-Square Statistics for Gender Differences on Draft 3rd Grade Test

Person Classes	Summary DIF *Chi-Square*	D.F.	Probability	Item
2	0.00	1	1.00	461
2	5.60	1	0.02	462
2	3.20	1	0.07	470
2	6.23	1	0.01	472
2	0.56	1	0.45	474
2	0.24	1	0.63	481
2	0.15	1	0.70	490
2	0.53	1	0.47	501
2	0.00	1	1.00	505
2	0.00	1	1.00	516
2	0.71	1	0.40	517
2	0.09	1	0.76	521
2	2.25	1	0.13	534
2	0.12	1	0.73	536
2	0.59	1	0.44	562
2	0.86	1	0.35	575
2	1.01	1	0.32	727
2	0.00	1	1.00	728
2	0.00	1	1.00	729
2	4.16	1	0.04	733

Based on race/ethnicity, significant differences were found for items 462, 472, 481, 581, and 727. In some cases, the DIF contrasts for these items did exceed the 0.64 logit difference that indicates a moderate to large difference in performance (Linacre); however, the DIF contrasts for these items are pretty evenly distributed among the

groups. No pattern where a specific group consistently underperformed on these items was found. Furthermore, the reference group, White, Non-Hispanic, did not consistently perform at a higher level than the other groups on these items. For example, the DIF contrast for item 462 between the White, Non-Hispanic test takers and Multiracial test takers exceeds the 0.64 logit difference (DIF contrast = -1.31) indicating that the Multiracial respondents performed at a higher level and that the difference could be described as moderate to large. On that particular item, no other moderate to large differences were found, and for the other items, similar differences can be found; however, no consistently underperforming group was identified. See Table 7 for the *Chi-Square* statistics for race/ethnicity differences on the draft 3rd grade test. The DIF contrasts for both gender and race/ethnicity for the draft 3rd grade test can be found in Appendix G.

Table 7

Chi-Square Statistics for Race/Ethnicity Differences on Draft 3rd Grade Test

Person Classes	Summary DIF *Chi-Square*	D.F.	Probability	Item
6	10.99	5	0.05	461
6	14.60	5	0.01	462
6	7.42	5	0.19	470
6	11.73	5	0.04	472
6	0.75	5	0.98	474
6	11.47	5	0.04	481
6	4.21	5	0.52	490
6	8.37	5	0.14	501
6	4.51	5	0.48	505
6	7.68	5	0.17	516
6	5.52	5	0.36	517
6	22.29	5	0.00	521
6	8.60	5	0.13	534
6	9.37	5	0.09	536
6	10.60	5	0.06	562
6	9.02	5	0.11	575
6	15.85	5	0.01	727
6	4.67	5	0.46	728
6	6.55	5	0.26	729
6	5.17	5	0.39	733

Grade 6 Test

Following the process for the 3rd grade level test described earlier, the initial step in the process to answer research question 1 for the 6th grade test was to analyze the entire grade level item bank, first using CTT to determine the estimated reliability as measured by *coefficient alpha* and then an estimated test length using the Spearman Brown prophecy formula. In order to maintain a *coefficient alpha of* 0.80, the 38-item 6th grade item bank ($\alpha = 0.81$) projected to a test length of 36 items on initial analysis.

In addition to estimating the test length needed to achieve a suitable reliability index, the CTT analysis was used to identify test items that may be suitable for removal based on their negative item-total correlation and the impact their removal would have on the *coefficient alpha* of the draft test. Since the CTT analysis was intended only to identify potential items for further examination during Rasch IRT analysis, negative item-total correlations were used to identify items that may be candidates for removal based on recommendations by Allen & Yen (1979). Based on this criterion, student performance on item 236 did not correlate with their performance on the item bank overall, so this item was identified for potential removal. Table 8 presents the item-total statistics for the entire grade three level item bank if the identified item were removed.

After this initial CTT analysis was completed, the entire 6th grade item bank was analyzed using the Rasch IRT model. Items were then selected based on their psychometric properties, and to sample the content covered by the item bank. The results of the initial Rasch analysis of the 6th grade item bank can be found in Appendix D. The same data for the draft Grade 6 TRAILS Test are presented below.

Table 8

Item-Total Statistics for 6th Grade Item Bank

Item	Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item-Total Correlation	*Coefficient Alpha* if Item Deleted
181	19.35	38.479	0.322	0.801
198	19.51	38.299	0.279	0.802
199	19.86	38.455	0.256	0.803
200	20.01	39.929	0.018	0.809
202	19.55	38.523	0.232	0.804
204	19.52	38.026	0.323	0.801
211	19.75	38.036	0.306	0.801
212	19.59	37.632	0.377	0.799
214	19.85	39.062	0.148	0.807
225	19.64	37.539	0.386	0.798
226	19.50	38.185	0.301	0.801
236	19.80	40.144	-0.037	0.813
239	19.46	38.398	0.277	0.802
255	19.58	38.234	0.276	0.802
262	19.86	38.540	0.241	0.803
274	19.75	38.304	0.262	0.803
278	19.78	37.824	0.347	0.800
279	19.60	37.617	0.378	0.799
280	19.59	37.816	0.345	0.800
281	19.56	37.586	0.390	0.798
282	19.51	37.393	0.439	0.797
295	19.67	37.997	0.308	0.801
296	19.48	37.719	0.392	0.798
297	19.54	37.535	0.403	0.798
301	19.47	37.555	0.428	0.797
302	19.57	37.754	0.359	0.799
327	19.88	38.272	0.294	0.802
586	19.81	37.797	0.358	0.799
588	19.81	39.071	0.141	0.807
596	19.66	37.660	0.365	0.799
603	19.86	38.744	0.205	0.805

604	19.49	39.225	0.122	0.807
605	19.58	38.060	0.305	0.801
607	19.65	39.218	0.109	0.808
608	19.59	38.035	0.309	0.801
611	19.71	37.984	0.312	0.801
612	19.51	38.986	0.160	0.806
659	19.62	38.379	0.248	0.803

Rasch analysis of the draft 6th grade TRAILS test. The final draft 6th grade test contained 25 items. Items were sampled from all five TRAILS categories (Develop Topic, $N = 5$; Recognize How to use Information Responsibly, Ethically, and Legally, $N = 6$; Identify Potential Sources, $N = 5$; Develop, Use, and Revise Search Strategies, $N = 4$; Evaluate Sources and Information, $N = 5$).

For the draft 6th grade test, the scale level indices indicate an acceptable level of test reliability ($\alpha = 0.78$). The Rasch model estimates a person reliability coefficient, which is interpreted much like coefficient alpha. Person reliability indicates the degree to which the test reliably orders test-takers by their ability level (person reliability = 0.76). The Rasch model also estimates an item reliability index, which indicates the degree to which the items will remain in their difficulty order with repeated administrations (item reliability = 0.99). Both indices are placed on 0 to 1 scale with values closer to 1 sought as desirable (Bond & Fox, 2007).

The Rasch model also estimates the ability of the scale to distinguish among test-takers based on their performance by calculating a person separation index. A value over 1.00 is sought (person separation = 1.79). A scale's ability to distinguish among test-

takers is ideal and represented in the Rasch IRT model by higher person separation values (Bond & Fox, 2007).

Finally, the Rasch model similarly estimates the separation of items by their difficulty level by calculating an item separation index. Ideally, item difficulty should not be redundant. Item separation is interpreted much like person separation. A value over 1.00 is sought (item separation = 13.04). A scale's lack of item difficulty redundancy is represented by higher item separation values (Bond & Fox, 2007). Both person and item separation are represented in the person-item map for the draft 6th grade test in Figure 4.

Item level indices indicate overall fit to scale for all items included in the draft test. A point-measure correlation is calculated for each item indicating the item-total correlation, which is interpreted much like the same statistic in the initial CTT analysis of the entire item bank discussed earlier. No items were negatively correlated with the overall scale. See Table 9 for the point-measure correlations for all items in the draft 6th grade test.

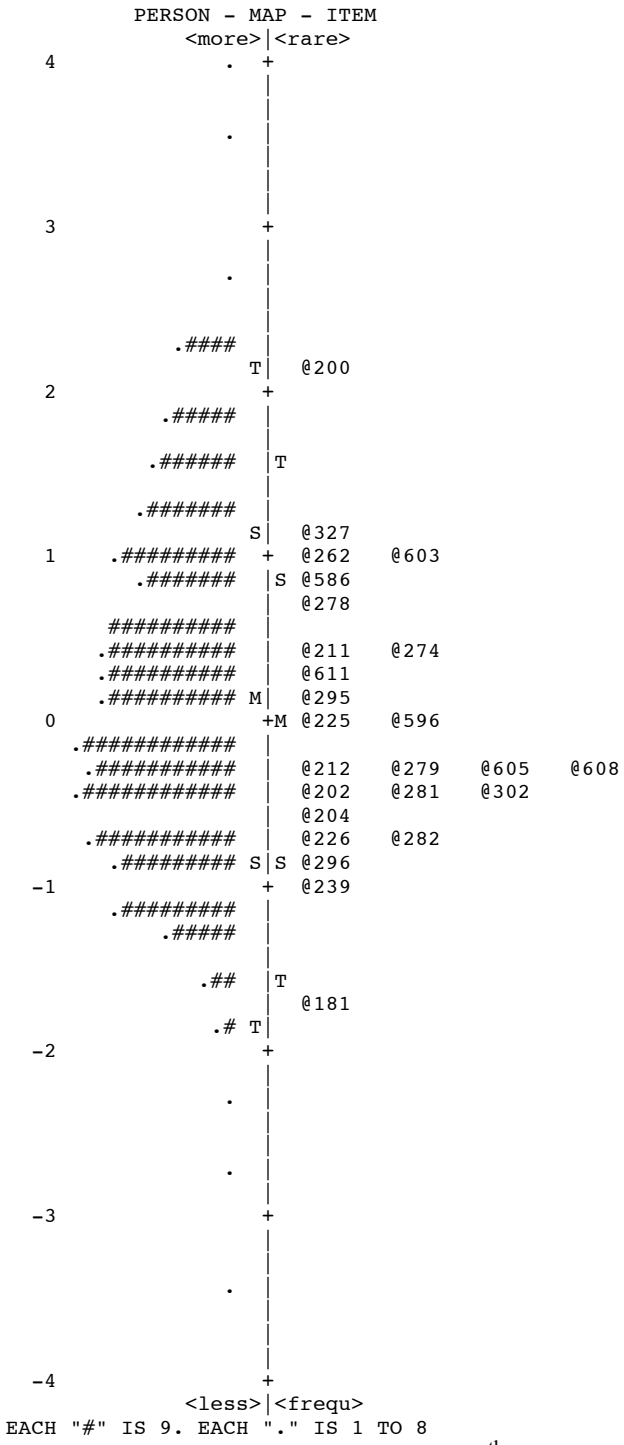


Figure 4. Person-Item Map for Draft 6th Grade Test.

In addition to the point-measure correlation, the Rasch model calculates two fit statistics for each item, infit and outfit. The infit statistic represents the appeal of the item to test-takers who perform around the mean of the test. The outfit is not anchored to the mean and therefore represents the appeal of the item to more outlying performers. More weight is generally given to infit statistics (Bond & Fox, 2007). A mean square and standardized "Zstd" value are reported. The mean square for both infit and outfit were interpreted with a value of 1.0 as the ideal and a range of 0.5 – 1.50 indicating good fit to scale for each item as "mean-squares near 1.0 indicate little distortion of the measurement system, regardless of the Zstd value" (Linacre). See Table 9 for infit and outfit statistics for the 6th grade item bank.

A Rasch model distractor analysis was conducted for the draft 6th grade test. The analysis treats each response as a separate item, calculating a measure for each. In addition to reviewing the overall difficulty or appeal of individual distractors, the analysis allows for a review of those items for which the distractors are not operating in the way in which they are intended. Distractors for which the average ability does not ascend with the item are identified in the analysis, indicating that the identified distractor is overly appealing to test takers who otherwise perform well on the test (Linacre). The analysis did not identify any misleading distractors. See Figure 5 for the results of the distractor analysis for the draft 6th grade test.

Table 9

Rasch IRT Model Data for Draft 6th Grade Test

Item	Measure	Infit Mean Square	Outfit Mean Square	Point-Measure Correlation
200	2.11	1.25	1.65	0.10
327	1.15	1.02	1.02	0.39
603	1.06	1.10	1.21	0.31
262	1.05	1.07	1.20	0.34
586	0.80	0.97	0.96	0.45
278	0.65	0.98	0.99	0.43
274	0.49	1.07	1.07	0.36
211	0.48	1.02	1.03	0.40
611	0.30	1.03	1.05	0.38
295	0.10	1.01	1.01	0.40
596	0.03	0.96	0.94	0.45
225	-0.05	0.93	0.90	0.47
279	-0.26	0.93	0.90	0.47
212	-0.30	0.95	0.92	0.44
608	-0.32	1.02	1.00	0.38
605	-0.34	1.02	1.04	0.38
302	-0.39	0.96	0.93	0.43
281	-0.45	0.93	0.90	0.45
202	-0.49	1.08	1.15	0.31
204	-0.63	0.98	0.94	0.41
282	-0.70	0.88	0.83	0.49
226	-0.76	0.99	0.93	0.39
296	-0.86	0.93	0.89	0.43
239	-0.99	1.01	1.02	0.35
181	-1.67	0.94	0.85	0.36

ENTRY NUMBER	DATA CODE	SCORE VALUE	DATA COUNT	%	AVERAGE MEASURE	S.E. MEAN	OUTF MNSQ	PTMEA CORR.	ITEM
2	4	0	40	3	-.82	.13	.5	-.16	@200
	5	0	82	6	-.28	.10	.8	-.10	
	1	0	206	14	-.22	.06	.8	-.15	
	.	0	23	2	.10	.19	1.1	-.01	
	2	0	856	59	.26	.03	1.4	.13	
	3	1	233	16	.39	.07	1.7	.10	
3	2	0	38	3	-.86	.12	.6	-.16	@202
	1	0	50	3	-.76	.09	.6	-.17	
	.	0	20	1	-.40	.24	1.1	-.06	
	4	0	432	30	-.13	.04	1.3	-.18	
	3	1	900	63	.39	.03	1.1	.31	
22	.	0	15	1	-.37	.22	.7	-.05	@603
	3	0	161	11	-.24	.08	1.0	-.14	
	2	0	289	20	-.11	.05	.9	-.13	
	4	0	520	36	.03	.04	1.2	-.09	
	1	1	455	32	.61	.05	1.3	.31	
10	1	0	272	19	-.26	.05	.9	-.20	@262
	.	0	43	3	-.26	.14	.9	-.07	
	4	0	200	14	-.13	.06	.9	-.11	
	2	0	467	32	.06	.04	1.2	-.06	
	3	1	458	32	.65	.05	1.3	.34	
9	.	0	18	1	-.65	.23	.8	-.09	@239
	4	0	52	4	-.48	.12	1.0	-.12	
	1	0	226	16	-.39	.05	1.0	-.23	
	3	0	110	8	-.38	.09	1.2	-.15	
	2	1	1034	72	.37	.03	1.0	.35	
11	.	0	20	1	-.56	.19	.7	-.08	@274
	1	0	351	24	-.21	.05	1.0	-.20	
	3	0	316	22	-.11	.05	1.1	-.14	
	4	0	139	10	-.09	.07	1.1	-.08	
	2	1	614	43	.57	.04	1.1	.36	
1	3	0	37	3	-1.14	.09	.4	-.21	@181
	4	0	100	7	-.76	.07	.7	-.25	
	.	0	14	1	-.64	.21	.8	-.08	
	1	0	104	7	-.35	.08	1.1	-.14	
	2	1	1185	82	.32	.03	.9	.36	
23	.	0	31	2	-.48	.18	1.1	-.09	@605
	3	0	120	8	-.41	.08	1.0	-.17	
	2	0	431	30	-.27	.04	1.1	-.27	
	1	1	858	60	.47	.03	1.0	.38	
24	.	0	17	1	-.53	.22	.8	-.07	@608
	3	0	245	17	-.38	.05	.9	-.24	
	4	0	114	8	-.32	.08	1.0	-.14	
	1	0	212	15	-.21	.06	1.1	-.15	
	2	1	852	59	.47	.03	1.0	.38	

25	1	0	164	11	-.51	.06	.7	-.24	@611
	.	0	27	2	-.45	.16	.7	-.08	
	2	0	580	40	-.11	.04	1.1	-.22	
	3	1	669	46	.57	.04	1.1	.38	
8	1	0	450	31	-.43	.03	.9	-.39	@226
	.	0	16	1	-.18	.24	1.4	-.03	
	2	1	974	68	.42	.03	1.0	.39	
19	.	0	13	1	-.71	.19	.5	-.08	@327
	3	0	143	10	-.37	.06	.7	-.17	
	1	0	369	26	-.21	.04	.9	-.21	
	2	0	483	34	.06	.04	1.2	-.07	
	4	1	432	30	.76	.05	1.0	.39	
5	1	0	171	12	-.61	.05	.6	-.27	@211
	.	0	21	1	-.55	.20	.8	-.08	
	4	0	59	4	-.46	.09	.7	-.13	
	3	0	572	40	-.04	.03	1.1	-.15	
	2	1	617	43	.62	.04	1.1	.40	
16	1	0	276	19	-.35	.05	.8	-.24	@295
	.	0	32	2	-.35	.13	.9	-.07	
	3	0	404	28	-.20	.04	1.0	-.21	
	2	1	728	51	.56	.04	1.1	.40	
4	.	0	20	1	-.78	.16	.5	-.11	@204
	1	0	479	33	-.40	.03	.9	-.38	
	2	1	941	65	.45	.03	1.0	.41	
12	.	0	22	2	-.41	.17	.7	-.07	@278
	1	0	206	14	-.32	.05	.8	-.19	
	3	0	346	24	-.22	.04	.9	-.21	
	2	0	299	21	-.08	.05	1.2	-.11	
	4	1	567	39	.69	.04	1.0	.43	
17	2	0	104	7	-.68	.07	.7	-.23	@296
	.	0	15	1	-.64	.25	1.0	-.08	
	3	0	158	11	-.49	.06	.9	-.22	
	4	0	161	11	-.41	.06	.9	-.20	
	1	1	1002	70	.44	.03	.9	.43	
18	1	0	96	7	-.67	.07	.6	-.22	@302
	3	0	193	13	-.58	.05	.7	-.28	
	4	0	243	17	-.18	.05	1.1	-.15	
	.	0	35	2	-.04	.16	1.6	-.03	
	2	1	873	61	.50	.03	1.0	.43	
6	2	0	150	10	-.61	.05	.6	-.26	@212
	.	0	23	2	-.40	.16	.8	-.07	
	4	0	132	9	-.36	.07	.9	-.16	
	1	0	289	20	-.28	.05	1.0	-.21	
	3	1	846	59	.53	.03	1.0	.44	
20	4	0	312	22	-.24	.05	.9	-.20	@586
	1	0	360	25	-.22	.04	.9	-.21	
	.	0	21	1	-.11	.26	1.4	-.03	
	2	0	222	15	-.09	.06	1.1	-.10	
	3	1	525	36	.75	.04	1.0	.45	

21	3	0	91	6	-.70	.06	.5	-.22	@596
	4	0	204	14	-.31	.06	.9	-.19	
	1	0	396	28	-.24	.04	1.0	-.24	
	2	1	749	52	.59	.04	1.0	.45	
14	2	0	157	11	-.54	.06	.7	-.24	@281
	.	0	19	1	-.52	.18	.7	-.08	
	4	0	90	6	-.48	.06	.7	-.16	
	1	0	285	20	-.36	.05	1.0	-.25	
	3	1	889	62	.51	.03	.9	.45	
13	.	0	2	0	-1.88	.80	.2	-.07	@279
	1	0	123	9	-.55	.07	.7	-.21	
	3	0	209	15	-.47	.05	.8	-.25	
	4	0	273	19	-.27	.05	1.0	-.20	
	2	1	833	58	.55	.03	.9	.47	
7	1	0	56	4	-.87	.08	.5	-.20	@225
	2	0	156	11	-.74	.05	.5	-.31	
	.	0	10	1	-.31	.19	.8	-.04	
	4	0	446	31	-.17	.04	1.0	-.21	
	3	1	772	54	.60	.04	.9	.47	
15	3	0	233	16	-.61	.04	.7	-.33	@282
	.	0	16	1	-.53	.21	.8	-.07	
	2	0	129	9	-.52	.07	.9	-.21	
	4	0	102	7	-.45	.07	.8	-.16	
	1	1	960	67	.50	.03	.9	.49	

Figure 5. Distractor Analysis for Draft 6th Grade TRAILS Test.

The final Rasch IRT model analyses for the draft 6th grade test were differential item functioning (DIF) analyses to identify item bias based on gender and race/ethnicity. For these analyses, gender and race/ethnicity were evaluated separately. Race/ethnicity was analyzed for six of the seven categories gathered, as the category of Pacific Islander did not meet or approach the sample of 30 recommended by Lai and Gershon (2005). For the gender analysis, the sample was pretty evenly split, (female, $N = 706$; male, $N = 734$). Group sizes for the race/ethnicity analysis were more varied (Asian, $N = 93$; Black, Non-Hispanic, $N = 65$, Hispanic, $N = 83$; American Indian or Alaskan Native, $N = 40$; Multiracial, $N = 80$; White, Non-Hispanic, $N = 1079$).

Table 10

Chi-Square Statistics for Gender Differences on Draft 6th Grade Test

Person Classes	Summary DIF *Chi-Square*	D.F.	Probability	Item
2	1.67	1	0.20	181
2	0.00	1	1.00	200
2	3.39	1	0.07	202
2	0.60	1	0.44	204
2	0.00	1	1.00	211
2	0.93	1	0.34	212
2	4.84	1	0.03	225
2	0.00	1	1.00	226
2	0.06	1	0.81	239
2	8.22	1	0.00	262
2	2.59	1	0.11	274
2	0.00	1	1.00	278
2	0.00	1	1.00	279
2	5.13	1	0.02	281
2	1.02	1	0.31	282
2	0.74	1	0.39	295
2	1.24	1	0.27	296
2	4.80	1	0.03	302
2	3.08	1	0.08	327
2	0.00	1	1.00	586
2	13.89	1	0.00	596
2	9.35	1	0.00	603
2	0.00	1	1.00	605
2	0.00	1	1.00	608
2	5.73	1	0.02	611

A *Chi-Square* was calculated for each item for each DIF analysis with $p < 0.05$ indicating a statistically significant difference in performance among the groups in the analysis. Based on gender, significant differences were found for items 262, 281, 302, 596, and 603; however, the DIF contrasts for these five items did not meet the 0.64 logit

difference that indicates a moderate to large difference in performance (Linacre). See Table 10 for the *Chi-Square* statistics for gender differences on the draft 6th grade test.

Based on race/ethnicity, significant differences were found for only item 200. In some cases, the DIF contrasts for this item did exceed the 0.64 logit difference that indicates a moderate to large difference in performance (Linacre); however, the DIF contrasts for this item are pretty evenly distributed among all groups except for students who identified themselves as Asian. Overall, Asian students consistently performed at a higher level than all other groups on this item, exceeding the 0.64 logit threshold in DIF contrasts for all group differences. See Table 11 for the *Chi-Square* statistics for race/ethnicity differences on the draft 6th grade test. The DIF contrasts for both gender and race/ethnicity for the draft 6th grade test can be found in Appendix H.

Table 11

Chi-Square Statistics for Race/Ethnicity Differences on Draft 6th Grade Test

Person Classes	Summary DIF *Chi-Square*	D.F.	Probability	Item
6	5.86	5	0.32	181
6	33.88	5	0.00	200
6	1.29	5	0.94	202
6	4.19	5	0.52	204
6	4.63	5	0.46	211
6	4.00	5	0.55	212
6	8.41	5	0.14	225
6	3.30	5	0.65	226
6	8.37	5	0.14	239
6	10.70	5	0.06	262
6	8.37	5	0.14	274
6	2.97	5	0.70	278
6	6.69	5	0.24	279
6	9.01	5	0.11	281
6	4.72	5	0.45	282
6	1.76	5	0.88	295
6	5.88	5	0.32	296
6	6.09	5	0.30	302
6	5.75	5	0.33	327
6	7.33	5	0.20	586
6	9.38	5	0.09	596
6	10.54	5	0.06	603
6	5.18	5	0.39	605
6	5.13	5	0.40	608
6	6.00	5	0.31	611

Grade 9 Test

Following the process for the tests described earlier, the initial step in the process to answer research question 1 for the 9th grade test was to analyze the entire grade level item bank, first using CTT to determine the estimated reliability as measured by *coefficient alpha* and then an estimated test length using the Spearman Brown prophecy

formula. In order to maintain a *coefficient alpha of* 0.80, the 50-item 9th grade item bank ($\alpha = 0.83$) projected to a test length of 42 items on initial analysis.

In addition to estimating the test length needed to achieve a suitable reliability index, the CTT analysis was used to identify test items that may be suitable for removal based on their negative item-total correlation and the impact their removal would have on the *coefficient alpha* of the draft test. Since the CTT analysis was intended only to identify potential items for further examination during Rasch IRT analysis, negative item-total correlations were used to identify items that may be candidates for removal based on recommendations by Allen and Yen (1979). Based on this criterion, student performance on item 641 did not correlate with their performance on the item bank overall, so this item was identified for potential removal. Table 12 presents the item-total statistics for the entire grade nine level item bank if the identified item were removed.

After this initial CTT analysis was completed, the entire 9th grade item bank was analyzed using the Rasch IRT model. Items were then selected based on their psychometric properties, and to sample the content covered by the item bank. The results of the initial Rasch analysis of the 9th grade item bank can be found in Appendix E. The same data for the draft Grade 9 TRAILS Test are presented below.

Table 12

Item-Total Statistics for 9th Grade Item Bank

Item	Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item-Total Correlation	*Coefficient Alpha* if Item Deleted
23	29.07	52.280	0.191	0.825
24	28.85	51.479	0.289	0.822
27	28.46	52.415	0.380	0.822
29	28.47	52.329	0.356	0.822
30	28.50	52.281	0.326	0.822
32	28.89	52.185	0.188	0.825
42	28.52	51.825	0.394	0.821
43	28.58	51.262	0.433	0.820
49	28.76	51.593	0.284	0.823
62	28.58	51.622	0.366	0.821
74	28.69	51.384	0.335	0.821
79	28.49	52.018	0.401	0.821
89	28.70	51.112	0.373	0.820
99	28.99	52.599	0.133	0.827
100	28.58	51.393	0.404	0.820
110	28.89	52.621	0.127	0.827
114	28.66	50.597	0.477	0.818
116	28.71	51.297	0.341	0.821
125	28.86	50.907	0.370	0.820
126	29.01	51.186	0.340	0.821
131	28.98	52.096	0.204	0.825
147	28.77	50.390	0.459	0.818
150	28.61	51.588	0.342	0.821
151	28.99	51.851	0.240	0.824
152	28.66	51.226	0.377	0.820
165	29.02	52.642	0.130	0.827
172	28.95	52.971	0.079	0.828
174	29.00	52.015	0.218	0.824
175	28.96	53.220	0.045	0.829
267	28.88	50.964	0.361	0.820
285	28.87	51.741	0.250	0.823

286	28.86	50.782	0.388	0.820
288	29.06	52.198	0.201	0.825
289	28.72	51.898	0.248	0.823
616	28.67	52.271	0.206	0.824
617	28.94	51.383	0.303	0.822
620	28.53	52.083	0.324	0.822
625	29.01	52.675	0.124	0.827
628	28.67	51.270	0.364	0.821
631	28.81	51.697	0.262	0.823
632	29.19	53.570	0.010	0.829
635	28.95	51.465	0.292	0.822
641	29.05	53.662	-0.014	0.830
642	29.07	50.843	0.409	0.819
643	28.64	50.836	0.451	0.819
645	28.84	52.572	0.135	0.827
648	28.66	51.853	0.275	0.823
649	29.16	52.867	0.120	0.826
655	28.73	51.694	0.277	0.823
672	28.89	51.576	0.273	0.823

Rasch analysis of the draft 9th grade TRAILS test. The final draft 9th grade test contained 30 items. Items were sampled from all five TRAILS categories (Develop Topic, $N = 6$; Recognize How to use Information Responsibly, Ethically, and Legally, $N = 5$; Identify Potential Sources, $N = 7$; Develop, Use, and Revise Search Strategies, $N = 6$; Evaluate Sources and Information, $N = 6$). Although 621 students took the entire item bank, the Rasch IRT analyses are based on a sample of 579 students. Before any analysis was completed, missing data were coded to represent incorrect responses. It is assumed that these 42 cases were not estimated due to the number of incorrect responses as a result of missing data.

For the draft 9th grade test, the scale level indices indicate an acceptable level of test reliability (α = 0.80). The Rasch model estimates a person reliability coefficient, which is interpreted much like coefficient alpha. Person reliability indicates the degree to which the test reliably orders test-takers by their ability level (person reliability = 0.79). The Rasch model also estimates an item reliability index, which indicates the degree to which the items will remain in their difficulty order with repeated administrations (item reliability = 0.99). Both indices are placed on 0 to 1 scale with values closer to 1 sought as desirable (Bond & Fox, 2007).

The Rasch model also estimates the ability of the scale to distinguish among test-takers based on their performance by calculating a person separation index. A value over 1.00 is sought (person separation = 1.95). A scale's ability to distinguish among test-takers is ideal and represented in the Rasch IRT model by higher person separation values (Bond & Fox, 2007).

Finally, the Rasch model similarly estimates the separation of items by their difficulty level by calculating an item separation index. Ideally, item difficulty should not be redundant. Item separation is interpreted much like person separation. A value over 1.00 is sought (item separation = 8.94). A scale's lack of item difficulty redundancy is represented by higher item separation values (Bond & Fox, 2007) . Both person and item separation are represented in the person-item map for the draft 9th grade test in Figure 6.

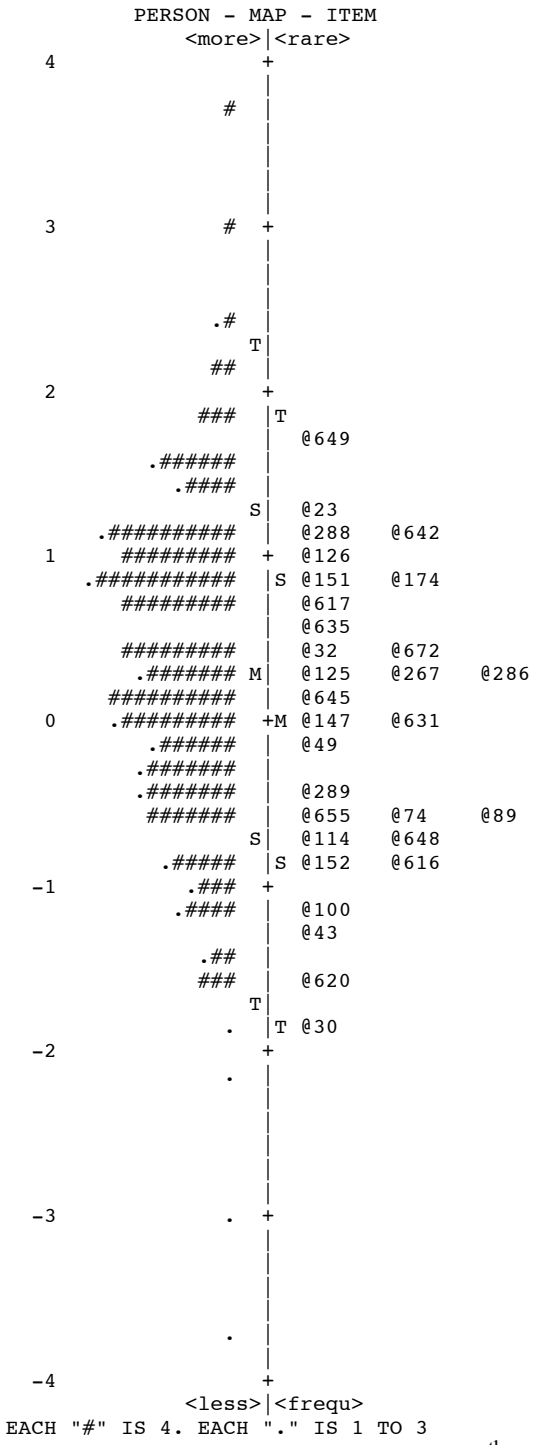


Figure 6. Person-Item Map for Draft 9th Grade Test.

Item level indices indicate overall fit to scale for all items included in the draft test. A point-measure correlation was calculated for each item indicating the item-total correlation. The point-measure correlation differs by including the item in the total score calculation, but can be interpreted much like the same statistic in the initial CTT analysis of the entire item bank discussed earlier. No items were negatively correlated with the scale. See Table 13 for the point-measure correlations for all items in the draft 9th grade test.

In addition to the point-measure correlation, the Rasch model calculates two fit statistics for each item, infit and outfit. The infit statistic represents the appeal of the item to test-takers who perform around the mean of the test. The outfit is not anchored to the mean and therefore represents the appeal of the item to more outlying performers. More weight is generally given to infit statistics (Bond & Fox, 2007). A mean square and standardized "Zstd" value are reported. The mean square for both infit and outfit were interpreted with a value of 1.0 as the ideal and a range of 0.5 – 1.50 indicating good fit to scale for each item as "mean-squares near 1.0 indicate little distortion of the measurement system, regardless of the Zstd value" (Linacre). See Table 13 for infit and outfit statistics for the 9th grade item bank.

Table 13

Rasch IRT Model Data for Draft 9th Grade Test

Item	Measure	Infit Mean Square	Outfit Mean Square	Point-Measure Correlation
649	1.76	1.10	1.29	0.24
23	1.29	1.07	1.13	0.31
642	1.21	0.94	0.95	0.43
288	1.16	1.07	1.12	0.31
126	1.05	1.00	0.99	0.39
174	0.90	1.06	1.16	0.32
151	0.85	1.08	1.08	0.32
617	0.66	1.02	1.05	0.38
635	0.55	1.04	1.09	0.35
32	0.36	1.09	1.13	0.32
672	0.36	1.03	1.01	0.38
286	0.32	0.96	0.95	0.44
267	0.31	0.96	0.94	0.44
125	0.30	0.96	0.96	0.44
645	0.16	1.13	1.15	0.28
631	0.01	1.03	1.06	0.36
147	-0.04	0.86	0.82	0.53
49	-0.16	0.99	0.97	0.41
289	-0.37	1.06	1.07	0.33
655	-0.55	1.04	1.05	0.34
89	-0.56	0.93	0.90	0.45
74	-0.62	0.98	1.00	0.40
114	-0.69	0.86	0.77	0.52
648	-0.73	1.04	1.10	0.33
616	-0.79	1.03	1.21	0.33
152	-0.84	0.94	0.87	0.43
100	-1.18	0.85	0.73	0.50
43	-1.23	0.86	0.78	0.48
620	-1.58	0.96	0.83	0.38
30	-1.91	0.90	0.72	0.41

A Rasch model distractor analysis was conducted for the draft 9th grade test. The analysis treats each response as a separate item, calculating a measure for each. In addition to reviewing the overall difficulty or appeal of individual distractors, the analysis allows for a review of those items for which the distractors are not operating in the way in which they are intended. Distractors for which the average ability does not ascend with the item are identified in the analysis, indicating that the identified distractor is overly appealing to test takers who otherwise perform well on the test (Linacre). The analysis did not identify any misleading distractors. See Figure 7 for the results of the distractor analysis for the draft 9th grade test.

ENTRY NUMBER	DATA CODE	SCORE VALUE	DATA COUNT	%	AVERAGE MEASURE	S.E. MEAN	OUTF MNSQ	PTMEA CORR.	ITEM
28	.	0	10	2	-.54	.52	.9	-.11	@649
	2	0	123	21	-.08	.08	.8	-.20	
	4	0	175	30	.30	.07	1.2	.00	
	1	0	140	24	.30	.08	1.1	.00	
	3	1	131	23	.74	.10	1.4	.24	
26	.	0	10	2	-1.08	.37	.4	-.18	@645
	4	0	29	5	-.40	.18	.9	-.16	
	2	0	94	16	-.04	.11	1.2	-.15	
	1	0	140	24	.20	.07	1.2	-.06	
	3	1	306	53	.57	.06	1.1	.28	
1	.	0	8	1	-1.10	.54	.4	-.17	@23
	4	0	16	3	-.57	.21	.5	-.15	
	1	0	115	20	.12	.09	1.2	-.09	
	2	0	175	30	.16	.06	1.0	-.09	
	3	0	89	15	.19	.11	1.5	-.05	
	5	1	176	30	.76	.07	1.1	.31	
18	.	0	8	1	-1.16	.38	.3	-.17	@288
	4	0	24	4	-.42	.22	.7	-.15	
	2	0	133	23	.06	.08	1.0	-.13	
	1	0	113	20	.18	.08	1.1	-.06	
	3	0	111	19	.23	.08	1.1	-.04	
	5	1	190	33	.74	.07	1.2	.31	

3	.	0	3	1	-1.78	1.08	.3	-.15	@32
	4	0	52	9	-.29	.10	.7	-.19	
	5	0	67	12	-.07	.11	1.1	-.14	
	1	0	50	9	-.05	.15	1.1	-.11	
	2	0	125	22	.21	.08	1.2	-.05	
	3	1	282	49	.63	.06	1.2	.32	
15	.	0	6	1	-.35	.72	.9	-.07	@174
	2	0	124	21	.00	.07	.9	-.16	
	1	0	62	11	.05	.11	1.0	-.09	
	3	0	169	29	.10	.08	1.3	-.13	
	4	1	218	38	.72	.07	1.2	.32	
13	.	0	13	2	-.62	.46	1.1	-.14	@151
	5	0	40	7	-.27	.14	.8	-.16	
	1	0	58	10	.01	.12	1.0	-.10	
	4	0	55	9	.06	.14	1.3	-.08	
	3	0	189	33	.16	.06	1.1	-.10	
	2	1	224	39	.71	.06	1.1	.32	
27	.	0	10	2	-1.10	.42	.7	-.19	@648
	3	0	57	10	-.27	.11	.9	-.19	
	1	0	105	18	-.07	.09	1.2	-.18	
	2	1	407	70	.52	.05	1.1	.33	
20	.	0	11	2	-1.06	.47	.7	-.19	@616
	4	0	24	4	-.95	.17	.5	-.26	
	1	0	54	9	-.04	.10	1.1	-.11	
	3	0	76	13	.01	.12	1.8	-.11	
	2	1	414	72	.51	.04	1.0	.33	
19	.	0	10	2	-1.24	.46	.5	-.21	@289
	3	0	36	6	-.66	.14	.6	-.25	
	1	0	164	28	.05	.06	1.2	-.16	
	2	1	369	64	.55	.05	1.1	.33	
29	.	0	7	1	-1.34	.57	.4	-.18	@655
	2	0	49	8	-.28	.13	1.0	-.18	
	3	0	134	23	-.09	.07	1.1	-.22	
	1	1	389	67	.54	.05	1.1	.34	
24	.	0	13	2	-.73	.41	.7	-.16	@635
	3	0	93	16	-.10	.08	.9	-.18	
	1	0	95	16	.04	.09	1.1	-.12	
	4	0	118	20	.09	.07	1.1	-.11	
	2	1	260	45	.69	.06	1.2	.35	
23	.	0	9	2	-1.06	.55	.8	-.17	@631
	1	0	53	9	-.47	.11	.7	-.25	
	3	0	124	21	-.10	.07	1.0	-.21	
	4	0	69	12	.29	.11	1.6	.00	
	2	1	324	56	.62	.05	1.0	.36	
22	.	0	10	2	-.94	.51	1.1	-.17	@620
	1	0	27	5	-.76	.12	.6	-.24	
	3	0	60	10	-.36	.09	.9	-.23	
	2	1	482	83	.47	.04	1.0	.38	

21	.	0	9	2	-.99	.49	.5	-.16	@617
	4	0	44	8	-.13	.14	.9	-.13	
	2	0	138	24	-.08	.07	.9	-.21	
	1	0	142	25	.13	.07	1.1	-.10	
	3	1	246	42	.74	.06	1.1	.38	
30	1	0	30	5	-.79	.14	.5	-.26	@672
	.	0	9	2	-.59	.59	1.0	-.11	
	3	0	193	33	-.02	.06	1.0	-.23	
	4	0	65	11	.19	.10	1.2	-.04	
	2	1	282	49	.69	.06	1.0	.38	
11	.	0	7	1	-1.30	.74	1.0	-.18	@126
	1	0	110	19	-.17	.07	.7	-.23	
	3	0	129	22	.01	.08	1.0	-.16	
	2	0	131	23	.25	.08	1.2	-.03	
	4	1	202	35	.84	.07	1.0	.39	
6	.	0	6	1	-1.85	.57	.3	-.22	@74
	3	0	52	9	-.33	.13	1.0	-.20	
	2	0	125	22	-.18	.08	1.1	-.25	
	1	1	396	68	.57	.05	1.0	.40	
2	.	0	8	1	-.91	.64	1.1	-.14	@30
	4	0	6	1	-.81	.36	.7	-.11	
	2	0	26	4	-.74	.12	.6	-.23	
	1	0	36	6	-.68	.12	.7	-.25	
	3	1	503	87	.46	.04	.9	.41	
5	.	0	13	2	-1.05	.36	.5	-.21	@49
	4	0	21	4	-.48	.18	.7	-.15	
	2	0	71	12	-.41	.10	.8	-.27	
	1	0	129	22	.07	.07	1.1	-.13	
	3	1	345	60	.64	.05	1.0	.41	
25	.	0	11	2	-.95	.46	.5	-.17	@642
	3	0	63	11	-.25	.10	.7	-.19	
	2	0	90	16	-.07	.08	.8	-.16	
	5	0	81	14	.11	.09	1.0	-.08	
	1	0	150	26	.18	.07	1.1	-.07	
	4	1	184	32	.93	.07	1.0	.43	
14	1	0	22	4	-1.15	.10	.3	-.29	@152
	.	0	8	1	-.44	.54	1.1	-.09	
	3	0	79	14	-.35	.09	.9	-.26	
	4	0	51	9	-.14	.11	1.0	-.14	
	2	1	419	72	.57	.04	.9	.43	
10	.	0	7	1	-.95	.65	.8	-.14	@125
	2	0	116	20	-.30	.08	.8	-.30	
	3	0	86	15	-.14	.08	.8	-.18	
	4	0	80	14	.17	.07	1.1	-.05	
	1	1	290	50	.74	.06	1.1	.44	
16	.	0	11	2	-.69	.42	.7	-.14	@267
	1	0	58	10	-.30	.11	.8	-.20	
	2	0	82	14	-.21	.09	.8	-.21	
	3	0	139	24	.02	.07	1.0	-.16	
	4	1	289	50	.74	.05	1.0	.44	

17	.	0	6	1	-1.96	.48	.2	-.23	@286
	3	0	71	12	-.24	.10	.8	-.20	
	2	0	80	14	-.14	.10	1.0	-.18	
	1	0	72	12	-.06	.10	1.0	-.14	
	5	0	63	11	.09	.11	1.2	-.08	
	4	1	287	50	.75	.05	.9	.44	
7	.	0	10	2	-1.07	.38	.5	-.18	@89
	2	0	36	6	-.50	.15	.8	-.21	
	3	0	45	8	-.36	.11	.8	-.19	
	4	0	98	17	-.20	.08	1.0	-.23	
	1	1	390	67	.62	.05	1.0	.45	
4	.	0	9	2	-1.30	.43	.4	-.20	@43
	5	0	13	2	-.85	.15	.4	-.17	
	2	0	30	5	-.62	.17	.8	-.22	
	4	0	19	3	-.62	.16	.6	-.17	
	1	0	54	9	-.43	.11	.9	-.24	
	3	1	454	78	.55	.04	.9	.48	
8	.	0	7	1	-1.24	.62	.6	-.17	@100
	2	0	37	6	-.75	.11	.6	-.28	
	1	0	16	3	-.71	.16	.6	-.17	
	3	0	69	12	-.47	.09	.8	-.29	
	4	1	450	78	.57	.04	.9	.50	
9	.	0	7	1	-1.56	.53	.4	-.21	@114
	1	0	169	29	-.44	.06	.7	-.48	
	2	1	403	70	.65	.04	.9	.52	
12	.	0	14	2	-.90	.40	.7	-.19	@147
	2	0	90	16	-.36	.08	.7	-.29	
	3	0	72	12	-.35	.08	.7	-.25	
	1	0	72	12	-.07	.09	1.0	-.14	
	4	1	331	57	.76	.05	.9	.53	

Figure 7. Distractor Analysis for Draft 9th Grade TRAILS Test.

The final Rasch IRT model analyses for the draft 9th grade test were differential item functioning (DIF) analyses to identify item bias based on gender and race/ethnicity. For these analyses, gender and race/ethnicity were evaluated separately. Race/ethnicity was analyzed for five of the seven categories gathered, as the categories of Pacific Islander and American Indian or Alaskan Native did not meet or approach the sample of 30 recommended by Lai and Gershon (2005). For the gender analysis, the sample was pretty evenly split, (female, $N = 320$; male, $N = 286$). Group sizes for the race/ethnicity

analysis were more varied (Asian, $N = 31$; Black, Non-Hispanic, $N = 42$, Hispanic, $N = 66$; Multiracial, $N = 33$; White, Non-Hispanic, $N = 437$).

A *Chi-Square* was calculated for each item for each DIF analysis with $p < 0.05$ indicating a statistically significant difference in performance among the groups in the analysis. Based on gender, significant differences were found for item 100; however, the DIF contrast for this item did not meet the 0.64 logit difference that indicates a moderate to large difference in performance (Linacre). See Table 14 for the *Chi-Square* statistics for gender differences on the draft 9th grade test.

Based on race/ethnicity, significant differences were found for only item 648. In some cases, the DIF contrasts for this item did exceed the 0.64 logit difference that indicates a moderate to large difference in performance (Linacre); however, the DIF contrasts for this item are pretty evenly distributed among all groups. See Table 15 for the *Chi-Square* statistics for race/ethnicity differences on the draft 9th grade test. The DIF contrasts for both gender and race/ethnicity for the draft 9th grade test can be found in Appendix I.

Table 14

Chi-Square Statistics for Gender Differences on Draft 9th Grade Test

Person Classes	Summary DIF *Chi-Square*	D.F.	Probability	Item
2	3.05	1	0.08	23
2	1.20	1	0.27	30
2	0.08	1	0.77	32
2	2.64	1	0.10	43
2	3.10	1	0.08	49
2	2.96	1	0.09	74
2	1.19	1	0.27	89
2	4.22	1	0.04	100
2	0.00	1	1.00	114
2	3.16	1	0.08	125
2	0.95	1	0.33	126
2	0.13	1	0.72	147
2	0.31	1	0.57	151
2	1.42	1	0.23	152
2	2.39	1	0.12	174
2	0.11	1	0.74	267
2	3.24	1	0.07	286
2	0.80	1	0.37	288
2	3.85	1	0.05	289
2	0.00	1	1.00	616
2	5.63	1	0.02	617
2	0.22	1	0.64	620
2	0.16	1	0.69	631
2	0.08	1	0.78	635
2	0.80	1	0.37	642
2	3.73	1	0.05	645
2	1.28	1	0.26	648
2	0.04	1	0.84	649
2	0.00	1	1.00	655
2	0.70	1	0.40	672

Table 15

Chi-Square Statistics for Race/Ethnicity Differences on Draft 9th Grade Test

Person Classes	Summary DIF *Chi-Square*	D.F.	Probability	Item
5	3.87	4	0.42	23
5	6.59	4	0.16	30
5	6.98	4	0.14	32
5	5.59	4	0.23	43
5	3.67	4	0.45	49
5	2.93	4	0.57	74
5	9.57	4	0.05	89
5	4.18	4	0.38	100
5	2.80	4	0.59	114
5	3.68	4	0.45	125
5	3.65	4	0.45	126
5	11.04	4	0.03	147
5	1.14	4	0.89	151
5	4.94	4	0.29	152
5	5.07	4	0.28	174
5	2.07	4	0.72	267
5	2.11	4	0.72	286
5	6.59	4	0.16	288
5	2.58	4	0.63	289
5	1.64	4	0.80	616
5	6.15	4	0.19	617
4	1.88	3	0.60	620
5	4.52	4	0.34	631
5	8.10	4	0.09	635
5	4.77	4	0.31	642
5	1.75	4	0.78	645
5	12.98	4	0.01	648
5	7.73	4	0.10	649
5	8.03	4	0.09	655
5	6.45	4	0.17	672

Grade 12 Test

Following the process for the tests described earlier, the initial step in the process to answer research question 1 for the 12th grade test was to analyze the entire grade level item bank, first using CTT to determine the estimated reliability as measured by *coefficient alpha* and then an estimated test length using the Spearman Brown prophecy formula. In order to maintain a *coefficient alpha of* 0.80, the 60-item 12th grade item bank ($\alpha = 0.82$) projected to a test length of 52 items on initial analysis.

In addition to estimating the test length needed to achieve a suitable reliability index, the CTT analysis was used to identify test items that may be suitable for removal based on their negative item-total correlation and the impact their removal would have on the *coefficient alpha* of the draft test. Since the CTT analysis was intended only to identify potential items for further examination during Rasch IRT analysis, negative item-total correlations were used to identify items that may be candidates for removal based on recommendations by Allen and Yen (1979). Based on this criterion, student performance on items 329, 330, 359, 362, 401, and 438 did not correlate with their performance on the item bank overall, so these items were identified for potential removal. Table 16 presents the item-total statistics for the entire grade twelve level item bank if the identified item were removed.

After this initial CTT analysis was completed, the entire 12th grade item bank was analyzed using the Rasch IRT model. Items were then selected based on their psychometric properties, and to sample the content covered by the item bank. The results

of the initial Rasch analysis of the 12th grade item bank can be found in Appendix F. The same data for the draft Grade 12 TRAILS Test are presented below.

Table 16

Item-Total Statistics for 12th Grade Item Bank

Item	Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item-Total Correlation	*Coefficient Alpha* if Item Deleted
328	24.61	67.135	0.227	0.818
329	24.99	69.831	-0.121	0.824
330	24.90	69.472	-0.058	0.823
331	24.68	67.377	0.199	0.818
336	24.71	67.582	0.175	0.819
337	24.37	66.331	0.394	0.814
339	24.53	65.717	0.413	0.813
340	24.65	66.191	0.345	0.815
341	24.73	66.672	0.292	0.816
344	24.74	67.511	0.187	0.819
345	24.51	65.634	0.428	0.813
346	24.47	65.493	0.461	0.812
347	24.61	66.169	0.347	0.815
348	24.84	68.636	0.054	0.821
353	24.66	68.335	0.080	0.821
356	24.89	69.069	0.000	0.822
357	24.38	65.917	0.443	0.813
358	24.54	65.067	0.496	0.811
359	24.90	69.126	-0.008	0.822
360	24.66	65.244	0.465	0.812
362	24.61	69.056	-0.007	0.823
364	24.76	65.684	0.425	0.813
366	24.71	67.438	0.193	0.819
367	24.74	67.063	0.243	0.817
369	24.73	66.827	0.272	0.817
370	24.57	64.968	0.503	0.811
373	24.87	68.876	0.024	0.822
374	24.60	66.176	0.347	0.815

375	24.60	67.297	0.207	0.818
378	24.64	66.178	0.346	0.815
382	24.66	66.305	0.331	0.815
383	24.73	65.925	0.386	0.814
384	24.71	66.444	0.317	0.816
386	24.60	67.283	0.209	0.818
387	24.84	68.602	0.058	0.821
392	24.63	65.633	0.415	0.813
395	24.63	66.062	0.361	0.815
397	24.72	66.084	0.365	0.814
401	24.88	69.573	-0.071	0.824
408	24.74	67.028	0.248	0.817
412	24.94	67.310	0.275	0.817
420	24.62	66.552	0.299	0.816
422	24.73	65.997	0.378	0.814
423	24.93	68.525	0.085	0.820
424	24.67	66.160	0.350	0.815
426	24.78	67.262	0.224	0.818
431	24.74	67.180	0.229	0.818
435	24.79	67.598	0.182	0.819
436	24.86	68.588	0.062	0.821
438	24.83	69.185	-0.019	0.823
439	24.66	68.243	0.091	0.821
442	24.86	68.172	0.119	0.820
443	24.93	67.841	0.187	0.818
445	24.73	67.679	0.165	0.819
446	24.78	65.193	0.495	0.811
448	24.88	67.858	0.168	0.819
450	24.90	68.448	0.089	0.820
455	24.36	67.310	0.255	0.817
456	24.71	68.102	0.111	0.820
457	24.58	65.452	0.439	0.813

Rasch analysis of the draft 12th grade TRAILS test. The final draft 12th grade test contained 35 items. Items were sampled from all five TRAILS categories (Develop

Topic, $N = 6$; Recognize How to use Information Responsibly, Ethically, and Legally, $N = 7$; Identify Potential Sources, $N = 9$; Develop, Use, and Revise Search Strategies, $N = 5$; Evaluate Sources and Information, $N = 8$). Although 527 students took the entire item bank, the Rasch IRT analyses are based on a sample of 508 students. Before any analysis was completed, missing data were coded to represent incorrect responses. It is assumed that these 19 cases were not estimated due to the number of incorrect responses as a result of missing data.

For the draft 12th grade test, the scale level indices indicate an acceptable level of test reliability ($\alpha = 0.82$). The Rasch model estimates a person reliability coefficient, which is interpreted much like coefficient alpha. Person reliability indicates the degree to which the test reliably orders test-takers by their ability level (person reliability = 0.80). The Rasch model also estimates an item reliability index, which indicates the degree to which the items will remain in their difficulty order with repeated administrations (item reliability = 0.98). Both indices are placed on 0 to 1 scale with values closer to 1 sought as desirable (Bond & Fox, 2007).

The Rasch model also estimates the ability of the scale to distinguish among test-takers based on their performance by calculating a person separation index. A value over 1.00 is sought (person separation = 1.97). A scale's ability to distinguish among test-takers is ideal and represented in the Rasch IRT model by higher person separation values (Bond & Fox, 2007).

Finally, the Rasch model similarly estimates the separation of items by their difficulty level by calculating an item separation index. Ideally, item difficulty should

not be redundant. Item separation is interpreted much like person separation. A value over 1.00 is sought (item separation = 6.26). A scale's lack of item difficulty redundancy is represented by higher item separation values (Bond & Fox, 2007). Both person and item separation are represented in the person-item map for the draft 12th grade test in Figure 8.

Item level indices indicate overall fit to scale for all items included in the draft test. A point-measure correlation is calculated for each item indicating the item-total correlation. The point-measure correlation differs by including the item in the total score calculation, but can be interpreted much like the same statistic in the initial CTT analysis of the entire item bank discussed earlier. No items were negatively correlated with the overall scale. See Table 17 for the point-measure correlations for all items in the draft 12th grade test.

In addition to the point-measure correlation, the Rasch model calculates two fit statistics for each item, infit and outfit. The infit statistic represents the appeal of the item to test-takers who perform around the mean of the test. The outfit is not anchored to the mean and therefore represents the appeal of the item to more outlying performers. More weight is generally given to infit statistics (Bond & Fox, 2007). A mean square and standardized "Zstd" value are reported. The mean square for both infit and outfit were interpreted with a value of 1.0 as the ideal and a range of 0.5 – 1.50 indicating good fit to scale for each item as "mean-squares near 1.0 indicate little distortion of the measurement system, regardless of the Zstd value" (Linacre). See Table 17 for infit and outfit statistics for the 12th grade item bank.

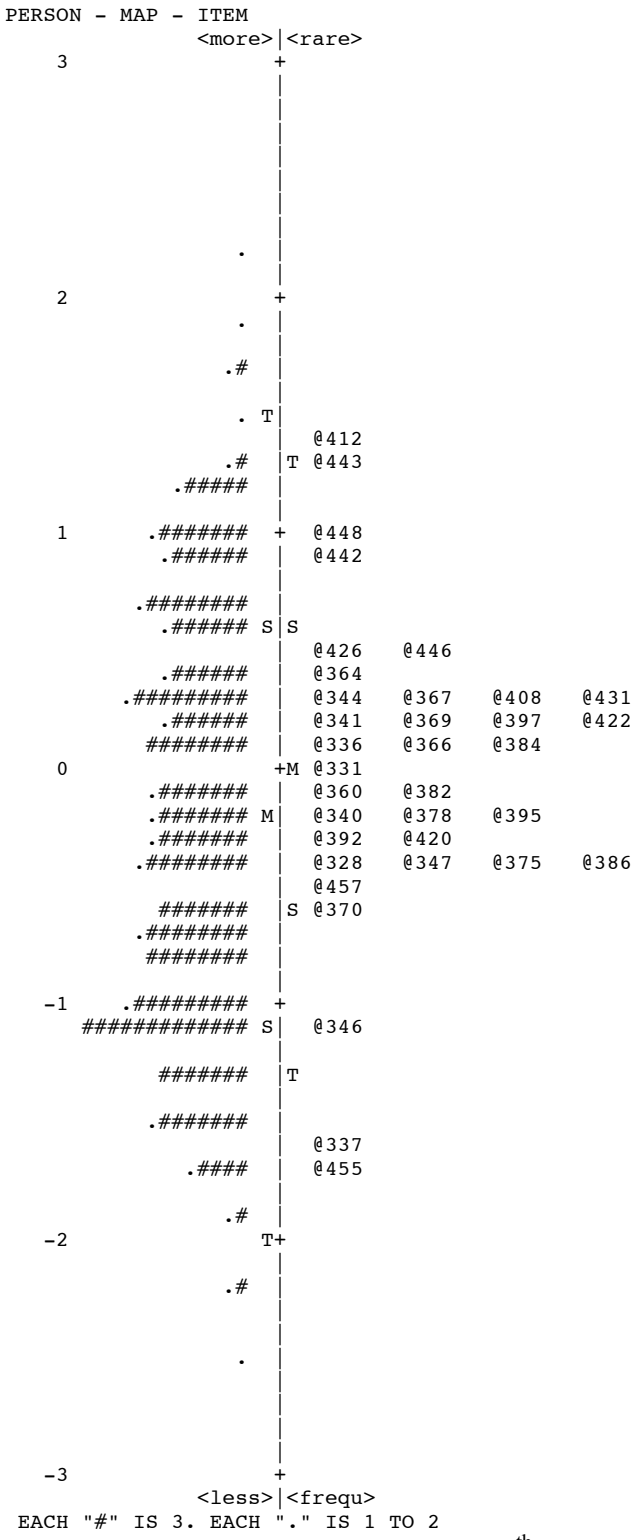


Figure 8. Person-Item Map for Draft 12th Grade Test.

Table 17

Rasch IRT Model Data for Draft 12th Grade Test

Item	Measure	Infit Mean Square	Outfit Mean Square	Point-Measure Correlation
412	1.41	0.99	1.05	0.31
443	1.31	1.05	1.23	0.23
448	1.01	1.07	1.19	0.24
442	0.89	1.15	1.34	0.16
426	0.49	1.06	1.08	0.31
446	0.45	0.83	0.81	0.55
364	0.38	0.90	0.88	0.48
431	0.30	1.05	1.08	0.31
344	0.27	1.09	1.13	0.27
408	0.27	1.05	1.05	0.33
367	0.25	1.06	1.09	0.31
369	0.24	1.03	1.06	0.34
341	0.22	1.00	1.01	0.37
422	0.20	0.93	0.93	0.45
397	0.18	0.95	0.92	0.44
336	0.15	1.11	1.13	0.26
366	0.11	1.11	1.12	0.26
384	0.10	1.01	1.01	0.37
331	0.03	1.10	1.09	0.28
360	-0.10	0.85	0.85	0.54
382	-0.13	0.98	0.97	0.41
378	-0.17	0.96	0.95	0.43
340	-0.18	0.98	0.99	0.40
395	-0.24	0.95	0.93	0.45
420	-0.26	1.02	1.03	0.36
392	-0.27	0.90	0.87	0.49
328	-0.36	1.08	1.09	0.30
347	-0.36	0.98	0.99	0.40
375	-0.40	1.10	1.11	0.28
386	-0.40	1.09	1.11	0.28
457	-0.46	0.89	0.86	0.51
370	-0.56	0.83	0.79	0.57
346	-1.08	0.86	0.82	0.51
337	-1.62	0.92	0.80	0.43
455	-1.67	0.97	0.99	0.34

A Rasch model distractor analysis was conducted for the draft 12th grade test. The analysis treats each response as a separate item, calculating a measure for each. In addition to reviewing the overall difficulty or appeal of individual distractors, the analysis allows for a review of those items for which the distractors are not operating in the way in which they are intended. Distractors for which the average ability does not ascend with the item are identified in the analysis, indicating that the identified distractor is overly appealing to test takers who otherwise perform well on the test (Linacre). The analysis did not identify any misleading distractors. See Figure 9 for the results of the distractor analysis for the draft 12th grade test.

ENTRY NUMBER	DATA CODE	SCORE VALUE	DATA COUNT	%	AVERAGE MEASURE	S.E. MEAN	OUTF MNSQ	PTMEA CORR.	ITEM
30	2	0	93	18	-.71	.08	.7	-.25	@442
	0	0	26	5	-.64	.16	.8	-.11	
	4	0	125	25	-.17	.07	1.2	.05	
	1	0	125	25	-.12	.08	1.4	.08	
	3	1	139	27	-.02	.08	1.4	.16	
31	0	0	29	6	-.68	.14	.7	-.13	@443
	3	0	88	17	-.64	.08	.7	-.21	
	2	0	128	25	-.52	.07	.8	-.19	
	1	0	158	31	.03	.06	1.4	.21	
	4	1	105	21	.15	.09	1.3	.23	
33	0	0	20	4	-.78	.14	.6	-.13	@448
	3	0	69	14	-.63	.09	.8	-.18	
	5	0	70	14	-.39	.10	1.0	-.07	
	4	0	109	21	-.29	.08	1.1	-.03	
	1	0	111	22	-.17	.08	1.2	.04	
	2	1	129	25	.12	.08	1.2	.24	
12	3	0	65	13	-.77	.08	.7	-.23	@366
	0	0	18	4	-.71	.19	.8	-.10	
	2	0	113	22	-.44	.08	1.1	-.12	
	4	0	96	19	-.16	.09	1.5	.05	
	1	1	216	43	.03	.06	1.1	.26	
3	0	0	14	3	-1.13	.23	.5	-.17	@336
	1	0	90	18	-.57	.07	.9	-.17	
	4	0	45	9	-.39	.13	1.2	-.05	
	2	0	147	29	-.30	.07	1.3	-.04	
	3	1	212	42	.03	.06	1.1	.26	

7	2	0	78	15	-.80	.08	.7	-.28	@344
	3	0	46	9	-.73	.11	.8	-.18	
	0	0	19	4	-.48	.20	1.1	-.05	
	1	0	166	33	-.17	.07	1.4	.06	
	4	1	199	39	.06	.06	1.1	.27	
16	3	0	35	7	-.96	.07	.5	-.23	@375
	0	0	18	4	-.77	.21	.9	-.12	
	2	0	184	36	-.38	.06	1.3	-.13	
	1	1	271	53	-.01	.05	1.1	.28	
2	4	0	24	5	-1.07	.14	.5	-.21	@331
	3	0	44	9	-1.05	.08	.5	-.29	
	0	0	21	4	-.69	.15	.8	-.11	
	2	0	194	38	-.22	.06	1.4	.02	
	1	1	225	44	.03	.05	1.1	.28	
20	0	0	18	4	-1.34	.17	.5	-.24	@386
	1	0	134	26	-.57	.06	1.0	-.23	
	3	0	85	17	-.22	.10	1.5	.01	
	2	1	271	53	-.01	.05	1.1	.28	
1	0	0	21	4	-.90	.17	.7	-.16	@328
	1	0	106	21	-.49	.08	1.1	-.15	
	3	0	114	22	-.47	.08	1.2	-.14	
	2	1	267	53	.01	.05	1.1	.30	
28	2	0	44	9	-1.08	.07	.4	-.30	@426
	1	0	43	8	-.94	.08	.5	-.25	
	0	0	27	5	-.73	.15	.7	-.13	
	3	0	217	43	-.16	.06	1.3	.07	
	4	1	177	35	.12	.06	1.1	.31	
25	0	0	19	4	-.70	.20	.7	-.11	@412
	1	0	104	20	-.61	.06	.7	-.22	
	2	0	85	17	-.57	.08	.7	-.17	
	3	0	202	40	-.13	.06	1.3	.10	
	4	1	98	19	.30	.08	1.1	.31	
13	2	0	51	10	-.93	.09	.6	-.27	@367
	0	0	16	3	-.91	.19	.6	-.14	
	1	0	72	14	-.63	.10	.9	-.18	
	4	0	168	33	-.19	.06	1.3	.04	
	3	1	201	40	.09	.06	1.1	.31	
29	1	0	42	8	-1.01	.08	.5	-.26	@431
	0	0	30	6	-.69	.14	.8	-.13	
	3	0	67	13	-.43	.12	1.2	-.08	
	4	0	173	34	-.29	.06	1.2	-.04	
	2	1	196	39	.10	.06	1.1	.31	
24	0	0	26	5	-.88	.17	.7	-.17	@408
	4	0	27	5	-.87	.15	.7	-.17	
	2	0	96	19	-.75	.07	.7	-.28	
	1	0	160	31	-.16	.06	1.4	.06	
	3	1	199	39	.12	.06	1.0	.33	

14	0	0	24	5	-.93	.14	.6	-.18	@369
	1	0	112	22	-.51	.07	1.0	-.17	
	2	0	125	25	-.45	.07	1.1	-.14	
	4	0	44	9	-.24	.11	1.2	.00	
	3	1	203	40	.12	.06	1.1	.34	
34	0	0	30	6	-1.02	.14	.7	-.22	@455
	2	0	84	17	-.71	.09	1.1	-.24	
	1	1	394	78	-.08	.04	1.0	.34	
26	3	0	62	12	-.99	.08	.6	-.32	@420
	0	0	22	4	-.75	.13	.7	-.13	
	1	0	80	16	-.39	.08	1.2	-.07	
	2	0	88	17	-.35	.09	1.3	-.06	
	4	1	256	50	.07	.05	1.0	.36	
19	0	0	29	6	-.85	.15	.7	-.17	@384
	1	0	77	15	-.80	.08	.7	-.27	
	2	0	185	36	-.35	.06	1.2	-.09	
	3	1	217	43	.13	.05	1.0	.37	
6	0	0	20	4	-.88	.15	.6	-.15	@341
	1	0	68	13	-.68	.10	.8	-.20	
	2	0	215	42	-.42	.06	1.1	-.17	
	3	1	205	40	.15	.06	1.0	.37	
9	0	0	18	4	-.88	.16	.7	-.14	@347
	4	0	57	11	-.74	.09	.8	-.20	
	3	0	68	13	-.61	.09	1.0	-.17	
	2	0	98	19	-.48	.09	1.2	-.13	
	1	1	267	53	.09	.05	1.0	.40	
5	1	0	80	16	-.78	.08	.7	-.27	@340
	0	0	17	3	-.74	.19	.8	-.11	
	4	0	36	7	-.73	.08	.7	-.16	
	2	0	128	25	-.39	.08	1.3	-.10	
	3	1	247	49	.12	.05	1.0	.40	
18	0	0	20	4	-1.04	.15	.5	-.19	@382
	2	0	101	20	-.62	.07	.9	-.22	
	4	0	39	8	-.53	.11	.9	-.10	
	3	0	106	21	-.48	.08	1.1	-.14	
	1	1	242	48	.13	.05	1.0	.41	
4	0	0	21	4	-.94	.14	.7	-.17	@337
	1	0	49	10	-.92	.08	.7	-.25	
	3	0	48	9	-.90	.10	.8	-.25	
	2	1	390	77	-.04	.04	1.0	.43	
17	1	0	35	7	-1.08	.08	.5	-.26	@378
	0	0	20	4	-.91	.14	.6	-.16	
	2	0	207	41	-.49	.06	1.1	-.24	
	3	1	246	48	.15	.05	.9	.43	
23	0	0	18	4	-.79	.18	.7	-.12	@397
	3	0	88	17	-.62	.08	.9	-.20	
	2	0	92	18	-.60	.08	.9	-.20	
	1	0	101	20	-.43	.08	1.1	-.11	
	4	1	209	41	.22	.05	.9	.44	

22	0	0	28	6	-1.02	.12	.6	-.22	@395
	2	0	70	14	-.92	.07	.6	-.31	
	4	0	55	11	-.50	.10	1.0	-.11	
	3	0	101	20	-.38	.08	1.2	-.08	
	1	1	254	50	.15	.05	.9	.45	
27	2	0	73	14	-.76	.08	.7	-.24	@422
	0	0	26	5	-.74	.16	.8	-.13	
	3	0	100	20	-.60	.07	.9	-.21	
	4	0	102	20	-.35	.07	1.1	-.06	
	1	1	207	41	.23	.06	1.0	.45	
11	0	0	22	4	-.79	.14	.6	-.13	@364
	3	0	75	15	-.61	.10	.9	-.18	
	2	0	126	25	-.52	.06	.9	-.19	
	1	0	97	19	-.52	.08	.9	-.15	
	4	1	188	37	.31	.06	.9	.48	
21	0	0	20	4	-1.10	.18	.6	-.20	@392
	2	0	88	17	-.67	.07	.8	-.23	
	1	0	83	16	-.65	.08	.9	-.21	
	4	0	60	12	-.56	.10	1.0	-.14	
	3	1	257	51	.18	.05	.9	.49	
35	3	0	70	14	-.79	.08	.8	-.26	@457
	2	0	77	15	-.76	.08	.8	-.25	
	0	0	26	5	-.70	.14	.8	-.12	
	4	0	57	11	-.59	.09	1.0	-.14	
	1	1	278	55	.16	.05	.9	.51	
8	0	0	14	3	-1.30	.13	.4	-.21	@346
	3	0	53	10	-.93	.09	.7	-.27	
	2	0	41	8	-.87	.11	.8	-.21	
	1	0	58	11	-.72	.10	.9	-.20	
	4	1	342	67	.07	.04	.9	.51	
10	0	0	14	3	-1.10	.17	.5	-.17	@360
	2	0	82	16	-.80	.07	.7	-.28	
	1	0	78	15	-.60	.09	1.0	-.18	
	3	0	95	19	-.57	.07	1.0	-.18	
	4	1	239	47	.26	.05	.8	.54	
32	0	0	26	5	-.82	.15	.7	-.16	@446
	3	0	94	19	-.68	.07	.8	-.24	
	2	0	119	23	-.58	.07	.9	-.21	
	1	0	88	17	-.46	.07	.9	-.12	
	4	1	181	36	.40	.05	.8	.55	
15	2	0	70	14	-.93	.07	.6	-.32	@370
	3	0	67	13	-.89	.07	.6	-.29	
	0	0	17	3	-.89	.16	.7	-.14	
	4	0	66	13	-.56	.09	1.0	-.14	
	1	1	288	57	.19	.04	.8	.57	

Figure 9. Distractor Analysis for Draft 12th Grade TRAILS Test.

The final Rasch IRT model analyses for the draft 12th grade test were differential item functioning (DIF) analyses to identify item bias based on gender and race/ethnicity. For these analyses, gender and race/ethnicity were evaluated separately. Race/ethnicity was analyzed for five of the seven categories gathered, as the categories of Pacific Islander and American Indian or Alaskan Native did not meet or approach the sample of 30 recommended by Lai and Gershon (2005). For the gender analysis, the sample was pretty evenly split (female, $N = 320$; male, $N = 286$). Group sizes for the race/ethnicity analysis were more varied (Asian, $N = 31$; Black, Non-Hispanic, $N = 42$, Hispanic, $N = 66$; Multiracial, $N = 33$; White, Non-Hispanic, $N = 437$).

A *Chi-Square* was calculated for each item for each DIF analysis with $p < 0.05$ indicating a statistically significant difference in performance among the groups in the analysis. Based on gender, significant differences were found for item 366; however, the DIF contrast for this item did not meet the 0.64 logit difference that indicates a moderate to large difference in performance (Linacre). See Table 18 for the *Chi-Square* statistics for gender differences on the draft 12th grade test.

No significant differences were found based on race/ethnicity. See Table 19 for the *Chi-Square* statistics for race/ethnicity differences on the draft 12th grade test. The DIF contrasts for both gender and race/ethnicity for the draft 12th grade test can be found in Appendix J.

Table 18
Chi-Square Statistics for Gender Differences on Draft 12th Grade Test

Person Classes	Summary DIF *Chi-Square*	D.F.	Probability	Item
2	1.65	1	0.20	328
2	0.43	1	0.51	331
2	0.23	1	0.63	336
2	0.15	1	0.70	337
2	0.92	1	0.34	340
2	0.58	1	0.45	341
2	3.28	1	0.07	344
2	0.43	1	0.51	346
2	0.26	1	0.61	347
2	2.85	1	0.09	360
2	0.00	1	1.00	364
2	4.83	1	0.03	366
2	0.19	1	0.67	367
2	0.05	1	0.82	369
2	0.00	1	1.00	370
2	1.01	1	0.32	375
2	0.75	1	0.39	378
2	0.49	1	0.48	382
2	0.55	1	0.46	384
2	0.38	1	0.54	386
2	0.10	1	0.75	392
2	0.19	1	0.66	395
2	0.02	1	0.88	397
2	2.32	1	0.13	408
2	0.55	1	0.46	412
2	1.24	1	0.26	420
2	0.59	1	0.44	422
2	2.77	1	0.10	426
2	0.56	1	0.45	431
2	1.01	1	0.31	442
2	1.67	1	0.20	443
2	0.08	1	0.78	446
2	3.50	1	0.06	448
2	1.30	1	0.25	455
2	1.55	1	0.21	457

Table 19
Chi-Square Statistics for Race/Ethnicity Differences on Draft 12th Grade Test

Person Classes	Summary DIF *Chi-Square*	D.F.	Probability	Item
5	8.98	4	0.06	328
5	6.34	4	0.17	331
5	7.99	4	0.09	336
5	3.99	4	0.41	337
5	1.65	4	0.80	340
5	1.61	4	0.81	341
5	1.27	4	0.87	344
5	7.38	4	0.12	346
5	4.21	4	0.38	347
5	2.72	4	0.61	360
5	8.02	4	0.09	364
5	2.88	4	0.58	366
5	2.29	4	0.68	367
5	2.81	4	0.59	369
5	0.94	4	0.92	370
5	4.41	4	0.35	375
5	4.38	4	0.36	378
5	1.13	4	0.89	382
5	4.71	4	0.32	384
5	8.91	4	0.06	386
5	2.62	4	0.62	392
5	4.02	4	0.40	395
5	1.94	4	0.75	397
5	7.65	4	0.11	408
5	1.06	4	0.90	412
5	4.29	4	0.37	420
5	3.10	4	0.54	422
5	5.14	4	0.27	426
5	1.51	4	0.83	431
5	0.86	4	0.93	442
5	7.24	4	0.12	443
5	5.70	4	0.22	446
5	1.22	4	0.87	448
5	5.89	4	0.21	455
5	6.73	4	0.15	457

Research Question 2

In order to determine whether the draft TRAILS tests were indeed measuring IL, two studies were conducted. In the first, school librarians and classroom teachers working at the associated grade levels for each draft test were asked to rate the degree to which each item on the draft TRAILS tests measures the TRAILS objective with which it is associated. In the second study, the relationship between the amount of reading on the draft test items and their difficulty level was analyzed by studying the correlation between the number of alphanumeric characters on each item and its Rasch item difficulty measure. The results of each study are presented in the following sections.

TRAILS Objective Measurement Rating Study for Each Draft Test

Inter-rater reliability was examined as part of the objective measurement rating study using the intraclass coefficient (ICC). The two-way random effects ICC was used in this study as the same raters for each test rated all items (excluding selected missing ratings) and represented a sample of all available raters. Furthermore, it was assumed that the three-point scale could be applied widely, making the two-way random effects ICC an appropriate selection (Shrout & Fleiss, 1979). Rae has demonstrated the equivalency of multiple measures of inter-rater reliability, including ICC and Kappa (1988), so the thresholds used for interpreting the Kappa statistic were applied to the results of this study (Landis & Koch, 1977).

The draft 3rd grade test was rated by 20 content experts (*ICC* = 0.505). This ICC represents a moderate level of agreement among the ratings (Landis & Koch, 1977), so

inter-rater reliability is not a concern. For the 20 items on the draft 3rd grade test, 200 ratings were received from the 20 raters. The "Yes" response, reflecting a determination by the rater that the item did measure its associated objective, represented the majority (92.50%) of the ratings across all items for the draft 3rd grade test. Another 5.50% of the responses reflected the "Yes with Revisions" rating. The final 2.00% of the responses for all items on the draft test reflected the "No" rating, meaning that the item did not measure its associated objective. See Table 20 for the individual item ratings for all items on the draft 3rd grade test.

Respondents were given the opportunity to comment on each item. Of the 58 comments received across all items on the draft 3rd grade test, 11 were received for item 462, specifically addressing the inclusion of the concept of the economy on the test item. The 58 responses were organized into four categories: positive feedback on the item (N = 8), general observations on the content or skills taught at the grade level (N = 14), general critique of the item (N = 17), and specific revision suggestions for the item (N = 19).

Table 20

Content Measurement Ratings for Draft 3rd Grade Test Items

Item	No		Yes W/ Revisions		Yes		Total
	N	%	N	%	N	%	N
461	0	0.00	1	5.00	19	95.00	20
462	3	15.00	4	20.00	13	65.00	20
470	1	5.00	1	5.00	18	90.00	20
472	0	0.00	0	0.00	20	100.00	20
474	0	0.00	0	0.00	20	100.00	20
481	0	0.00	0	0.00	20	100.00	20
490	0	0.00	1	5.00	19	95.00	20
501	0	0.00	2	10.00	18	90.00	20
505	0	0.00	0	0.00	20	100.00	20
516	1	5.00	1	5.00	18	90.00	20
517	0	0.00	1	5.00	19	95.00	20
521	0	0.00	0	0.00	20	100.00	20
534	1	5.00	0	0.00	19	95.00	20
536	0	0.00	1	5.00	19	95.00	20
562	0	0.00	2	10.00	18	90.00	20
575	2	10.00	0	0.00	18	90.00	20
727	0	0.00	2	10.00	18	90.00	20
728	0	0.00	1	5.00	19	95.00	20
729	0	0.00	3	15.00	17	85.00	20
733	0	0.00	2	10.00	18	90.00	20
Total	8	2.00	22	5.50	370	92.50	400

The draft 6th grade test was rated by 17 content experts (*ICC* = 0.423). This ICC represents a moderate level of agreement among the ratings (Landis & Koch, 1977), so inter-rater reliability is not a concern. For the 25 items on the draft 6th grade test, 420 ratings were received from the 17 raters. The "Yes" response, reflecting a determination by the rater that the item did measure its associated objective, represented the majority (87.86%) of the ratings across all items for the draft 6th grade test. Another 8.81% of the responses reflected the "Yes with Revisions" rating. The final 3.33% of the responses for all items on the draft test reflected the "No" rating, meaning that the item did not measure its associated objective. See Table 21 for the individual item ratings for all items on the draft 6th grade test.

Respondents were given the opportunity to comment on each item. In addition to 55 comments received across all items on the draft 6th grade test, three comments were submitted indicating that the item stem for item 608 was repeated on the objective rating survey. The 55 responses were organized into four categories: positive feedback on the item (*N* = 1), general observations on the content or skills taught at the grade level (*N* = 3), general critique of the item (*N* = 17), and specific revision suggestions for the item (*N* = 36).

Table 21

Content Measurement Ratings for Draft 6th Grade Test Items

Item	No		Yes W/ Revisions		Yes		Total
	N	%	N	%	N	%	N
278	1	5.90	0	0.00	16	94.10	17
200	0	0.00	3	17.60	14	82.40	17
202	0	0.00	0	0.00	17	100.00	17
204	0	0.00	0	0.00	17	100.00	17
211	0	0.00	1	5.90	16	94.10	17
212	0	0.00	3	17.60	14	82.40	17
225	0	0.00	0	0.00	17	100.00	17
226	0	0.00	0	0.00	17	100.00	17
239	1	5.90	1	5.90	15	88.20	17
262	0	0.00	2	11.80	15	88.20	17
274	3	17.60	0	0.00	14	82.40	17
278	1	5.90	1	5.90	15	88.20	17
279	0	0.00	2	11.80	15	88.20	17
281	0	0.00	1	5.90	16	94.10	17
282	2	11.80	1	5.90	14	82.40	17
295	2	11.80	1	5.90	14	82.40	17
204	0	0.00	0	0.00	14	100.00	14
302	0	0.00	1	6.30	15	93.70	16
327	0	0.00	1	5.90	16	94.10	17
586	1	5.90	3	17.60	13	76.50	17
596	1	5.90	3	17.60	13	76.50	17
603	1	5.90	6	35.30	10	58.80	17
605	0	0.00	0	0.00	17	100.00	17
608	0	0.00	3	17.60	14	82.40	17
611	1	6.30	4	25.00	11	68.70	16
Total	14	3.33	37	8.81	369	87.86	420

The draft 9th grade test was rated by 15 content experts (*ICC* = 0.621). This ICC represents a substantial level of agreement among the ratings (Landis & Koch, 1977), so inter-rater reliability is not a concern. For the 30 items on the draft 9th grade test, 447 ratings were received from the 15 raters. The "Yes" response, reflecting a determination

by the rater that the item did measure its associated objective, represented the majority (82.10%) of the ratings across all items for the draft 9th grade test. Another 11.63% of the responses reflected the "Yes with Revisions" rating. The final 6.27% of the responses for all items on the draft test reflected the "No" rating, meaning that the item did not measure its associated objective. See Table 22 for the individual item ratings for all items on the draft 9th grade test.

Respondents were given the opportunity to comment on each item. The 64 comments received across all items on the draft 9th grade were organized into four categories: positive feedback on the item ($N = 5$), general observations on the content or skills taught at the grade level ($N = 11$), general critique of the item ($N = 12$), and specific revision suggestions for the item ($N = 36$).

The draft 12th grade test was rated by 10 content experts ($ICC = 0.467$). This ICC represents a moderate level of agreement among the ratings (Landis & Koch, 1977), so inter-rater reliability is not a concern. For the 35 items on the draft 12th grade test, 334 ratings were received from the 10 raters. The "Yes" response, reflecting a determination by the rater that the item did measure its associated objective, represented the majority (79.04%) of the ratings across all items for the draft 12th grade test. Another 15.57% of the responses reflected the "Yes with Revisions" rating. The final 5.39% of the responses for all items on the draft test reflected the "No" rating, meaning that the item did not measure its associated objective. See Table 23 for the individual item ratings for all items on the draft 12th grade test.

Table 22

Content Measurement Ratings for Draft 9th Grade Test Items

Item	No		Yes W/ Revisions		Yes		Total
	N	%	N	%	N	%	N
23	0	0.00	4	26.70	11	73.30	15
30	0	0.00	0	0.00	15	100.00	15
32	1	6.70	2	13.30	12	80.00	15
43	0	0.00	0	0.00	15	100.00	15
49	3	20.00	2	13.30	10	66.70	15
74	1	6.70	1	6.70	13	86.60	15
89	0	0.00	0	0.00	15	100.00	15
100	0	0.00	1	6.70	14	93.30	15
114	0	0.00	0	0.00	15	100.00	15
125	0	0.00	0	0.00	15	100.00	15
126	1	6.70	1	6.70	13	86.60	15
147	0	0.00	1	6.70	14	93.30	15
151	2	13.30	5	33.30	8	53.40	15
152	2	14.30	1	7.10	11	78.60	14
174	1	6.70	1	6.70	13	86.60	15
267	1	7.10	1	7.10	12	85.80	14
286	1	6.70	1	6.70	13	86.60	15
288	0	0.00	1	6.70	14	93.30	15
289	2	13.30	3	20.00	10	66.70	15
616	0	0.00	2	13.30	13	86.70	15
620	0	0.00	1	7.10	13	92.90	14
617	1	6.70	2	13.30	12	80.00	15
631	2	13.30	0	0.00	13	86.70	15
635	0	0.00	4	26.70	11	73.30	15
642	5	33.30	3	20.00	7	46.70	15
648	1	6.70	6	40.00	8	53.30	15
645	0	0.00	3	20.00	12	80.00	15
649	0	0.00	4	26.70	11	73.30	15
655	3	20.00	1	6.70	11	73.30	15
672	1	6.70	1	6.70	13	86.60	15
Total	28	6.27	52	11.63	367	82.10	447

Table 23

Content Measurement Ratings for Draft 12th Grade Test Items

Item	No		Yes W/ Revisions		Yes		Total
	N	%	N	%	N	%	N
328	0	0.00	1	12.50	7	87.50	8
331	2	22.20	2	22.20	5	55.60	9
336	0	0.00	1	11.10	8	88.90	9
337	0	0.00	3	33.30	6	66.70	9
340	0	0.00	3	33.30	6	66.70	9
341	1	11.10	3	33.30	5	55.60	9
344	0	0.00	2	22.20	7	77.80	9
346	0	0.00	3	33.30	6	66.70	9
347	0	0.00	2	22.20	7	77.80	9
364	1	11.10	0	0.00	8	88.90	9
360	0	0.00	2	22.20	7	77.80	9
366	1	10.00	2	20.00	7	70.00	10
367	0	0.00	1	10.00	9	90.00	10
369	0	0.00	2	20.00	8	80.00	10
370	0	0.00	1	10.00	9	90.00	10
375	1	10.00	1	10.00	8	80.00	10
378	1	10.00	1	10.00	8	80.00	10
382	0	0.00	1	10.00	9	90.00	10
384	0	0.00	0	0.00	10	100.00	10
386	1	11.10	0	0.00	8	88.90	9
392	0	0.00	2	20.00	8	80.00	10
395	1	10.00	1	10.00	8	80.00	10
397	0	0.00	2	20.00	8	80.00	10
408	2	20.00	2	20.00	6	60.00	10
412	0	0.00	1	11.10	8	88.90	9
420	1	10.00	1	10.00	8	80.00	10
422	0	0.00	0	0.00	10	100.00	10
426	0	0.00	0	0.00	10	100.00	10
431	0	0.00	2	20.00	8	80.00	10
442	1	10.00	1	10.00	8	80.00	10
443	0	0.00	2	20.00	8	80.00	10
446	0	0.00	2	20.00	8	80.00	10
448	2	20.00	5	50.00	3	30.00	10
455	0	0.00	0	0.00	9	100.00	9
457	3	33.30	0	0.00	6	66.70	9
Total	18	5.39	52	15.57	264	79.04	334

Respondents were given the opportunity to comment on each item. Of the 84 comments received across all items on the draft 12th grade test, 8 were received for item 448, specifically addressing the focus on print encyclopedias on the test item. The 84 responses were organized into four categories: positive feedback on the item ($N = 5$), general observations on the content or skills taught at the grade level ($N = 11$), general critique of the item ($N = 18$), and specific revision suggestions for the item ($N = 50$).

Specific revision suggestions. The specific revision suggestions for individual items ranged from single suggestions for an item to multiple suggestions of the same nature, resembling group consensus on the revision necessary to improve the measurement of the item. For example, item 562 (3rd grade test) received one specific revision suggestion, "add keyword as a fourth choice for book searching." Item 611 (6th grade test) received five specific revision suggestions indicating that "The term Buddhism is unknown, so many of the students don't understand this." A review of the person-item map for the draft 6th grade test in Figure 4 indicates that the item difficulty measure is above the mean for the test, but not at the top of the scale, so it is difficult to determine whether the subject matter has increased the difficulty of the item, or the objective.

The decision was made to focus any revisions on items that would not be significantly altered as a result and to use the specific revision suggestions received first and then any other comments received next as part of the item review described in the "Limitations of the Study and Future Directions" section in Chapter V. It is assumed that significant revisions will result in significant changes in the psychometric properties of

the items, the review of which is beyond the scope of the current study. As a result of the specific revisions received, item 239 (6th grade test) was revised to replace "www.eatingpyramid.gov" with "www.choosemyplate.gov" in the correct response, as the Web site has changed since the test item was written. Two additional items on the third grade test (470 and 516) were slightly revised as a result of comments received during the objective measurement rating study.

Correlation Study of Item Difficulty and Amount of Reading

To determine whether item difficulty could be influenced by the amount of reading on each item, their relationship was studied. For the purposes of this study, only the alphanumeric characters were counted. No spaces were included in the count, nor were any characters represented in images.

The Pearson Correlation between item difficulty and the number of alphanumeric characters in each item for each grade level test is reported below, as well as the mean number of alphanumeric characters for the items on each grade level test. To test the Pearson assumption of a linear relationship between the two variables, scatterplots were studied for each test. See Figures 10 – 13 for scatterplots depicting the relationship between character count and Rasch item difficulty.

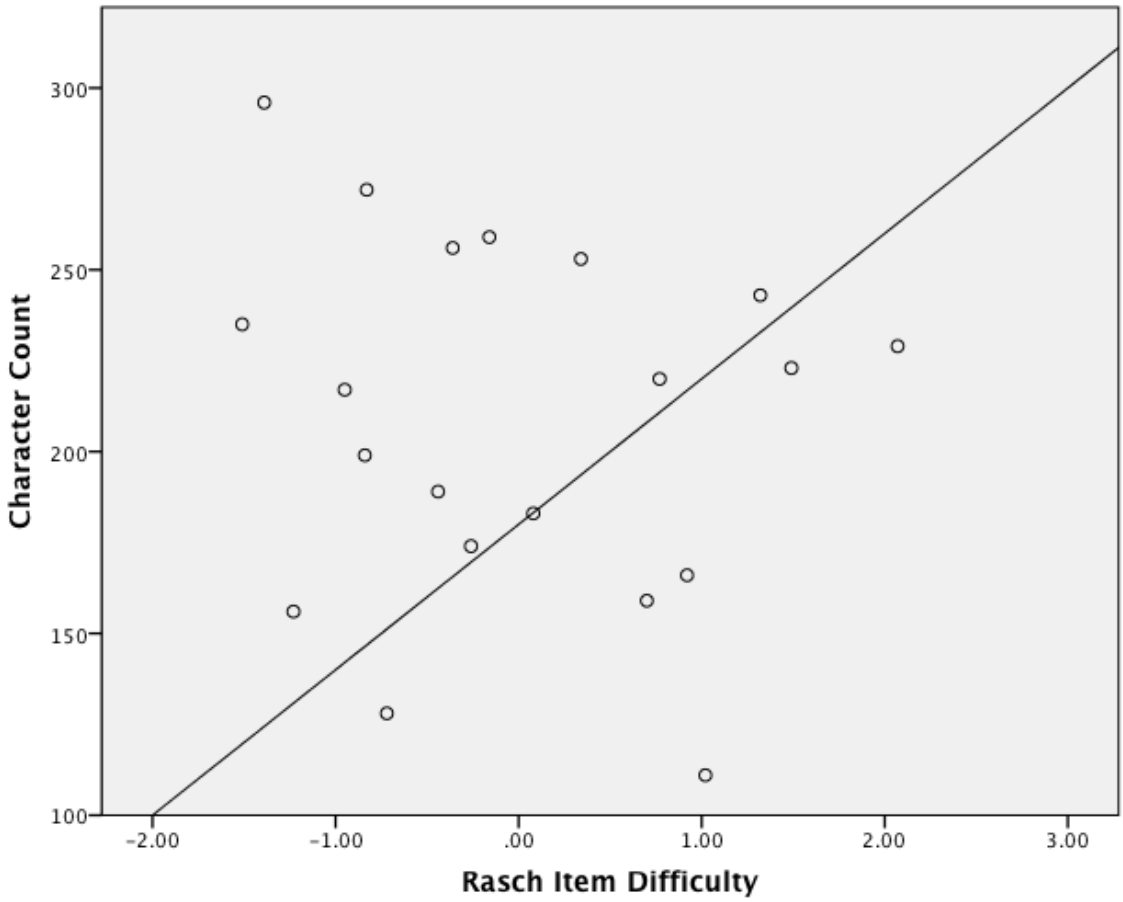


Figure 10. Scatterplot for Draft 3rd Grade Test.

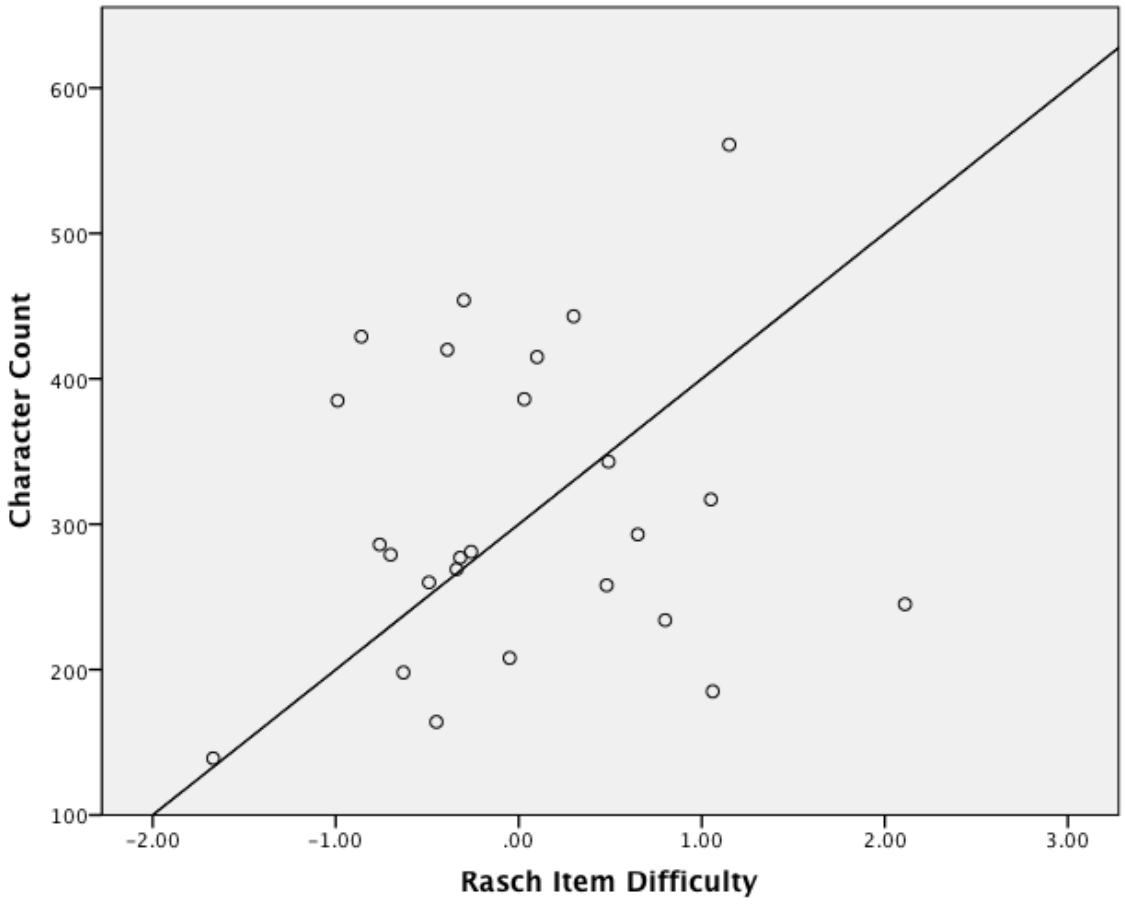


Figure 11. Scatterplot for Draft 6th Grade Test.

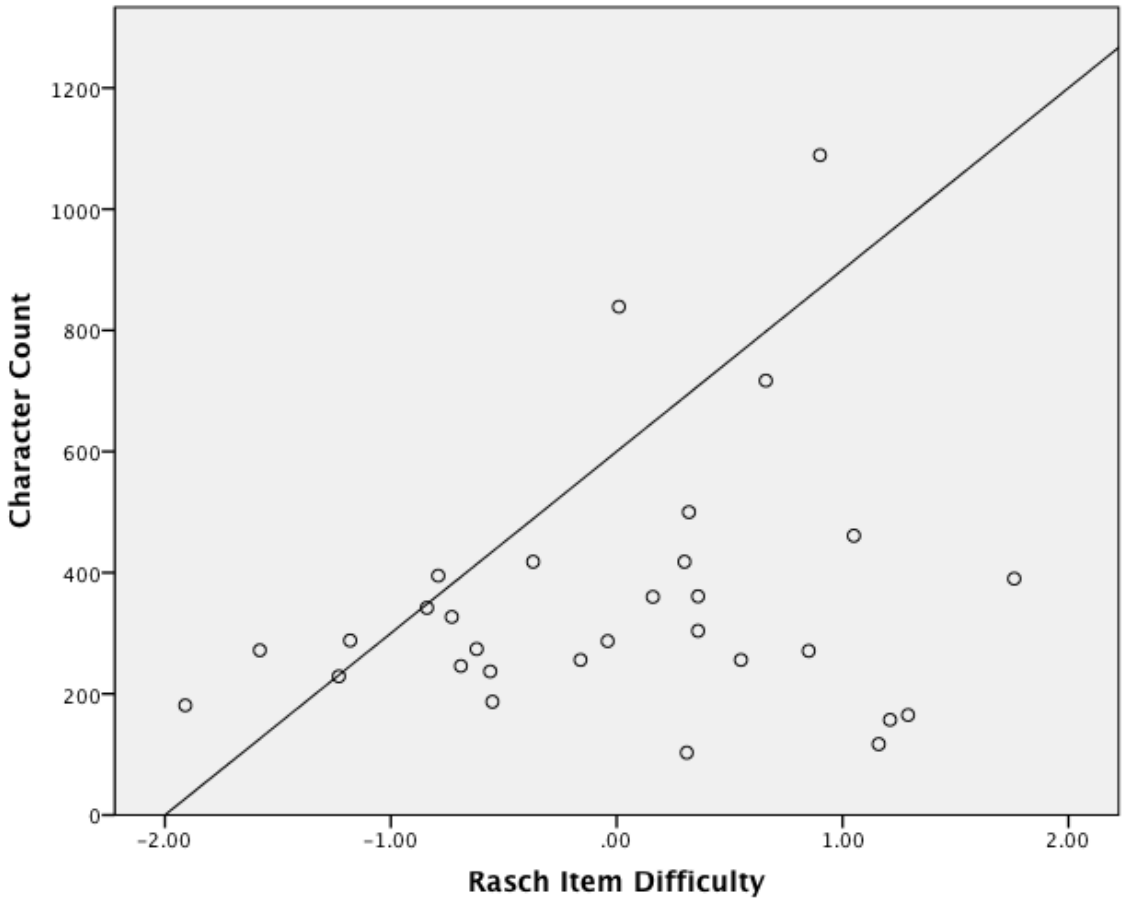


Figure 12. Scatterplot for Draft 9th Grade Test.

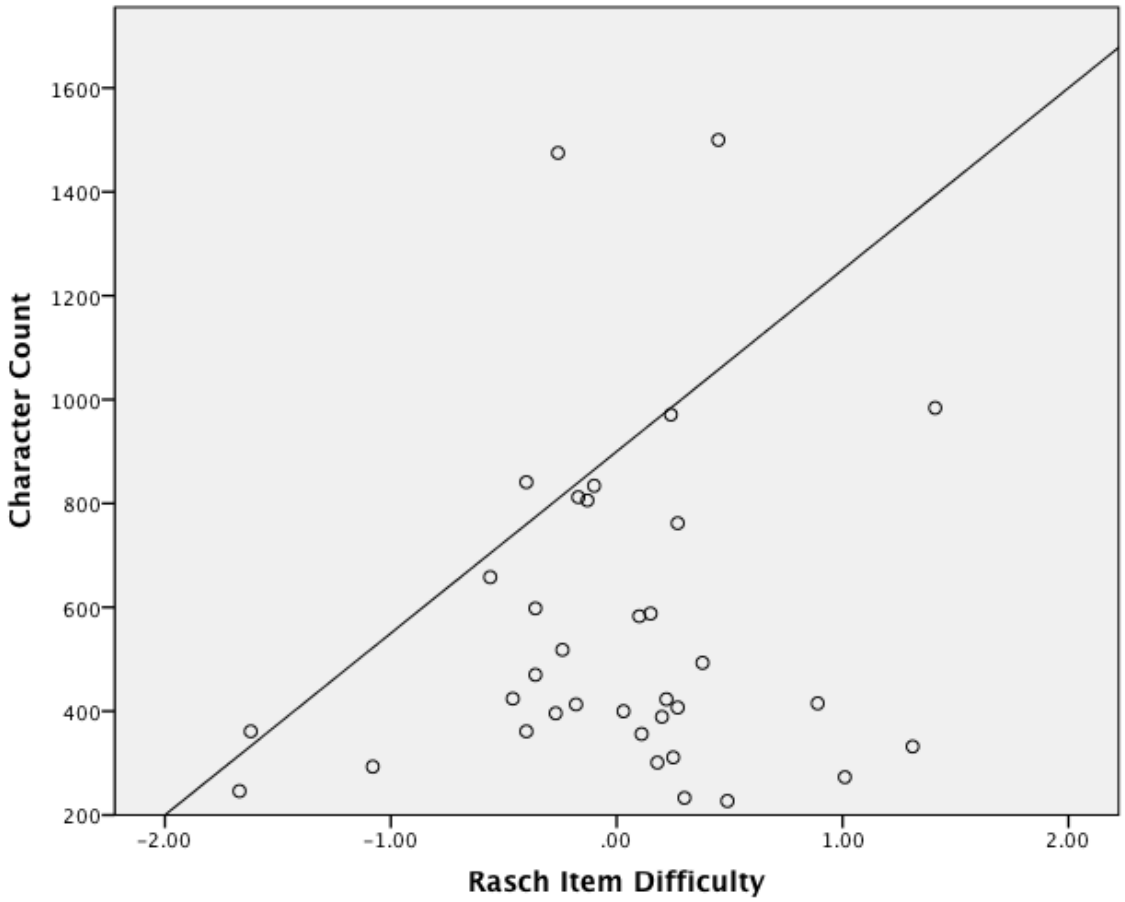


Figure 13. Scatterplot for Draft 12th Grade Test.

A weak relationship was found between item difficulty and alphanumeric character count on all four grade level tests (Cohen, 1992). No statistically significant correlations were found for any of the four grade level tests. For the draft 3rd grade test, a weak negative correlation between item difficulty and alphanumeric character count, $r(20) = -0.15$, $p < 0.54$, was found. For the draft 3rd grade test, the average item contained 208.40 characters ($SD = 49.48$). For the draft 6th grade test, a weak positive correlation between item difficulty and alphanumeric character count, $r(25) = 0.13$, $p < 0.55$, was found. For the draft 6th grade test, the average item contained 309.16 characters ($SD = 104.28$). For the draft 9th grade test, a weak positive correlation between item difficulty and alphanumeric character count, $r(30) = 0.20$, $p < 0.28$, was found. For the draft 9th grade test, the average item contained 348.23 characters ($SD = 211.25$). Finally, for the draft 12th grade test, a weak positive correlation between item difficulty and alphanumeric character count, $r(35) = 0.12$, $p < 0.51$, was found. For the draft 12th grade test, the average item contained 555.83 characters ($SD = 314.90$).

Research Question 3

Proficiency scores for each of the four grade level tests were established using a modified bookmarking standard setting procedure described in Chapter III. This procedure includes three rounds of data gathering and feedback, two of which included the same participants for each test and the third in which the proficiency scores were finalized including the TRAILS project team as participants reviewing the data gathered from the first two rounds for all four tests. The results for this

research question are organized by each round of data gathering with the final proficiency scores presented in Table 24.

Bookmarking Procedure Round 1 Results

In Round 1, participants were asked to review the items on their assigned test in ascending order of difficulty and to submit the item that met the 50% probability decision rule for proficient students at their grade level. The results of this round were used as the starting point for the Web-based discussion by the same participants (most persisted from Round 1 to Round 2) to propose a proficiency score for their assigned test in Round 2.

For the participants who bookmarked the 3rd grade test items ($N = 6$), the group mean proficiency cut score was item order number 16 (item 461), which translated to a raw score of 14/20 or 70% on the test. For the sample that was tested during the validation phase, approximately 29% would have met this level. Since extreme values were found for some Round 1 submissions, median scores were evaluated for Round 2 as an alternative measure of central tendency. The median proficiency cut score was item order number 18 (item 470), which translated to a raw score of 15/20 or 75% on the test. For the sample that was tested during the validation phase, approximately 21% would have met this level.

For the participants who bookmarked the 6th grade test items ($N = 6$), the group mean proficiency cut score was item order number 14 (item 295), which translated to a raw score of 12/25 or 48% on the test. For the sample that was tested during the validation phase, approximately 57% would have met this level. Since extreme values

were found for some Round 1 submissions, median scores were evaluated for Round 2 as an alternative measure of central tendency. The median proficiency cut score was item order number 15 (item 596), which translated to a raw score of 13/25 or 52% on the test. For the sample that was tested during the validation phase, approximately 49% would have met this level.

For the participants who bookmarked the 9th grade test items ($N = 7$), the group mean proficiency cut score was item order number 17 (item 125), which translated to a raw score of 17/30 or 57% on the test. For the sample that was tested during the validation phase, approximately 50% would have met this level. Since extreme values were found for some Round 1 submissions, median scores were evaluated for Round 2 as an alternative measure of central tendency. The median proficiency cut score was item order number 16 (item 645), which translated to a raw score of 16/30 or 53% on the test. For the sample that was tested during the validation phase, approximately 56% would have met this level.

For the participants who bookmarked the 12th grade test items ($N = 8$), the group mean proficiency cut score was item order number 23 (item 341), which translated to a raw score of 19/35 or 54% on the test. For the sample that was tested during the validation phase, approximately 35% would have met this level. Since extreme values were found for some Round 1 submissions, median scores were evaluated for Round 2 as an alternative measure of central tendency. The median proficiency cut score was item order number 24 (item 369), which also translated to a raw score of 19/35 or 54% on the

test. For the sample that was tested during the validation phase, approximately 35% would have met this level.

Bookmarking Procedure Round 2 Results

The 3rd grade group ($N = 4$) came to consensus that a proficient 3rd grader should have a 50% probability of answering through item order number16 (item 461). This was decided through a discussion of the learning objectives associated with each item. The group felt that a proficient 3rd grader should be able to demonstrate all learning objectives through order number 16. This translated to a raw score of 14/20 or 70% on the test. For the sample that was tested during the validation phase, approximately 29% would have met this level. The group agreed that 29% reflected their experience, that in their local environments, approximately 29% of 3rd graders could be described as proficient in information literacy.

The 6th grade group ($N = 5$) came to consensus that a proficient 6th grader should have a 50% probability of answering through item order number16 (item 295). This was decided through a discussion of the learning objectives associated with each item. The group felt that a proficient 6th grader should be able to demonstrate all learning objectives through number order number 16. This translated to a raw score of 13/25 or 52% on the test. For the sample that was tested during the validation phase, approximately 49% would have met this level. The group agreed that 49% reflected their experience, that in their local environments, approximately 49% of 6th graders could be described as proficient in information literacy.

The 9th grade group ($N = 7$) came to consensus that a proficient 9th grader should have a 50% probability of answering through item order number 25 (item 174). This was decided through a discussion of the learning objectives associated with each item. The group felt that a proficient 9th grader should be able to demonstrate all learning objectives through order number 25. Concern was raised regarding including objective order number 21, as the group generally agreed that databases were not taught at the 9th grade level. This translated to a raw score of 21/30 or 70% on the test. For the sample that was tested during the validation phase, approximately 24% would have met this level. The group agreed that 24% reflected their experience, that in their local environments, approximately 24% of 9th graders could be described as proficient in information literacy.

The 12th group ($N = 6$) could not come to a consensus regarding the item that a proficient 12th grader should have a 50% probability of answering. The group was split with two members focused on the current level of information literacy among the 12th graders with whom they have worked and four members seeking a proficiency score that represents an "ideal."

Two cut lines in the test and associated raw scores were discussed at length and then a vote was taken. The first option discussed was placing a cut line between the mean and median cut scores (items 341 and 369) as determined in Round 1. This translated to a raw score of 19/35 on the test, or 54%. For the sample that was tested during the validation phase, approximately 35% would have met this level. Two members of the group voted in favor of this option. The second option that was

discussed was placing the cut line after item 446, which would represent the most difficult item on which a proficient 12th grader would have a 50% probability of answering correctly. This translated to a raw score of 21/35 on the test, or 60%. For the sample that was tested during the validation phase, approximately 25% would have met this level. Four members of the group voted in favor of this option.

Bookmarking Procedure Round 3 Results

For Round 3 of the bookmarking procedure, members of the TRAILS team (N = 6) reviewed the results of Rounds 1 and 2 for all four tests. Each test was discussed individually and then each participant was asked to complete a modified bookmarking procedure much like the one completed in Round 1, using a form that included not only the item that met the decision rule, but the impact that the selected proficiency score would have on categorizing student performance. Participants were also given the opportunity to provide general feedback on the proficiency score for each test or their decision-making process. See Appendix B for the scoring sheet used during Round 3 of the bookmarking procedure.

The discussions within the group for each test focused on the items surrounding the proficiency score proposed by each group in Round 2. A review of the difficulty of the surrounding items and objectives was standard for each test. One theme of the discussion that was also found in the Round 2 Web-based discussions was some disagreement with selected item difficulty order. Participants in both rounds did understand that difficulty was based on student performance and not based on subjective

assignments, but found some items near the proposed proficiency scores to be close in difficulty or less difficult than items that appear earlier in the test.

Although desired learning objectives for the proficient test-taker was the primary deciding factor in group discussion of the proficiency scores, a strong secondary consideration was the impact that setting a particular proficiency score would have on student performance on the test. The group paid particular attention to the percentage of students in the validation sample who would have met or exceeded the proficiency score set on a test when all other factors were equalized.

The mean item order was calculated for each test based on the submissions by the Round 3 participants and used to set proficiency scores. In all cases, the Round 3 participants set a proficiency score that differed from the Round 2 participants. This was, of course, a necessity for the 12th grade test as no consensus was reached. It is worth noting that the Round 3 participants did concur with one of the suggested proficiency scores for the 12th grade test. See Table 24 for the finalized proficiency scores on all four TRAILS tests.

Table 24

Proficiency Scores for All Four TRAILS Tests

Test	Cut Item	Raw Score	% Score	% At or Above
3rd	15	13	65%	37%
6th	18	15	60%	36%
9th	23	19	63%	38%
12th	24	19	54%	35%

CHAPTER V
DISCUSSION

This chapter discusses the results of the study presented in Chapter IV, as well as the implications of the study, the limitations of the study, and future directions for research and development for the TRAILS tests. The chapter is organized by the three research questions that guided the study.

Research Question 1

The first guiding research question sought to determine the best combination of test items to create the most efficient test of IL at each grade level based on scale reliability, item distractor function, gender and race/ethnicity performance on each item, item difficulty spread, and item fit to scale indices. The draft tests were assembled by sampling from the five TRAILS categories to ensure content coverage, and then selecting the items that best met these five item level psychometric properties while contributing to the most efficient and reliable scales for each grade level test. After the items were selected based on these metrics, a content review was conducted to ensure item independence. The first draft of the 9th and 12th grade tests met all stated requirements and are the drafts for which the data are presented in Chapter IV and the results are discussed below. The 3rd grade test required two drafts and the 6th required three. The final drafts for each are presented and analyzed. The item numbers that represent the best combination of test items in the current TRAILS grade level item banks answer to

provide reliable and efficient tests of IL can be found in Tables 4, 8, 12, and 16 for grade level tests 3, 6, 9, and 12, respectively.

To answer the first guiding research question, first the reliability of each draft test was studied, and then four item-level psychometric properties for each test were studied as well: distractor function, item bias based on gender and race/ethnicity, the spread of item difficulty, and item fit to scale. All measures of reliability examined in this study indicate that the four tests reliably measure IL. All four tests met or approached the 0.80 threshold for *coefficient alpha* recommended for large-scale tests in the social sciences (Nunnally & Bernstein, 1994) : (3^{rd} grade, $\alpha = 0.81$; 6^{th} grade, $\alpha = 0.78$; 9^{th} grade, $\alpha = 0.80$; 12^{th} grade, $\alpha = 0.82$).

Rasch model estimates of scale reliability were also examined as part of the study. The Rasch model estimates a person reliability coefficient, which is interpreted much like coefficient alpha. Person reliability indicates the degree to which the test reliably orders test-takers by their ability level. The Rasch model also estimates an item reliability index, which indicates the degree to which the items will remain in their difficulty order with repeated administrations. Both indices are placed on 0 to 1 scale with values closer to 1 sought as desirable (Bond & Fox, 2007). Both person reliability and item reliability offer further evidence of test reliability and stability for all four tests: (3^{rd} grade, person reliability = 0.77, item reliability = 0.99; 6^{th} grade, person reliability = 0.76, item reliability = 0.99; 9^{th} grade, person reliability = 0.79, item reliability = 0.99; 12^{th} grade, person reliability = 0.80, item reliability = 0.98).

In addition to scale level reliability, item level psychometric properties were examined for each item on the draft tests. A Rasch model distractor analysis was conducted for each grade level test. The analysis treats each response as a separate item, calculating a measure for each. In addition to reviewing the overall difficulty or appeal of individual distractors, the analysis allows for a review of those items for which the distractors are not operating in the way in which they are intended. Distractors for which the average ability does not ascend with the item are identified in the analysis, indicating that the identified distractor is overly appealing to test takers who otherwise perform well on the test (Linacre). This analysis found no misleading distractors on any of the four tests. An initial distractor analysis was conducted for the entire item bank at each grade level and in many cases, the item(s) that were found to have misleading distractors as a result of the full item bank analysis were included in the draft test and were not identified as misleading, due to the scale-specificity of Rasch distractor analyses. See the full item bank distractor analyses in Appendices C-F and the distractor analyses for the draft tests in Figures 3,5,7, and 9.

Item bias based on gender and race/ethnicity was examined through Rasch differential item functioning (DIF) analyses. Although gender differences were identified for items on all four tests, none met the 0.64 logit difference that indicates a moderate to large difference in performance (Linacre). Differences were also identified based on race/ethnicity for items on all but the 12th grade test, and some differences did exceed the 0.64 logit difference that indicates a moderate to large difference; however, the pattern of difference for these items generally indicated differences among the groups and not cases

in which one race or ethnic group was consistently performing at a lower level than the other groups. In some cases, the reference group, White, Non-Hispanic, performed at a lower level than selected groups in the analysis. Based on the relatively low number of items that indicated a gender or race/ethnicity difference in performance, the low magnitude of the difference measured based on gender performance, and the pattern of differences spread among the racial/ethnic groups, the items and tests overall do not appear to be biased. The DIF contrasts are presented for each test in Appendices G-J.

Item difficulty spread was also studied for each test. The Rasch model provides two related estimates of the spread of item difficulty and its ability to differentiate among test-takers. The Rasch model estimates the ability of the scale to distinguish among test-takers based on their performance by calculating a person separation index. A value over 1.00 is sought (3rd grade, person separation =1.81; 6th grade, person separation = 1.79; 9th grade, person separation = 1.95; 12th grade, person separation = 1.97). The person separation values for all four tests exceed the 1.00 threshold, indicating their ability to distinguish among test-takers (Bond & Fox, 2007).

The Rasch model similarly estimates the separation of items by their difficulty level by calculating an item separation index. Ideally, item difficulty should not be redundant. Item separation is interpreted much like person separation. A value over 1.00 is sought (3rd grade item separation = 13.21; 6th grade item separation = 13.04; 9th grade item separation = 8.94; 12th grade item separation = 6.26). All four tests have high item separation values, indicating a lack of item difficulty redundancy (Bond & Fox, 2007).

Both person and item separation can be visually examined in the person-item maps provided for each draft test in Figures 2,4,6, and 8. In each, item separation is represented by the lack of redundancy of items to the right of the map. Similar figures were generated for the entire item banks at each grade level and are provided in Appendices C-F. Comparing these maps with the maps for the draft tests will make the item separation more prominent. Item difficulty for the draft tests is more targeted and evenly distributed on each of these four grade level tests than for the full item banks from which they were constructed.

A review of the person-item maps for each also indicates that the tests do not suffer from floor or ceiling effects. In these instances, scales are not able to measure performance at the extremes. It is either too difficult for test-takers, or not difficult enough. This is represented by a disproportionate number of test-takers at one extreme end of the scale, or both to the left of the map (Wilson, 2005). No floor or ceiling effects are evident in Figures 2,4,6, or 8. Based on the Rasch item and person separation indices and the spread of item difficulty depicted in the person-item maps for each test, item difficulty spread is appropriately targeted for K-12 tests of IL.

Finally, the relationship of the items to the overall scale was examined. First, the point-measure correlation of item performance and overall scale performance with that item removed was analyzed and then both Rasch infit and outfit. All items on the four draft tests were positively correlated with their overall scale, reducing the likelihood that they contribute to scale-level measurement error (Allen & Yen, 1979).

In addition to the point-measure correlation, the Rasch model calculates two fit statistics for each item, infit and outfit. The infit statistic represents the appeal of the item to test-takers who perform around the mean of the test. The outfit is not anchored to the mean and, therefore, represents the appeal of the item to more outlying performers. More weight is generally given to infit statistics (Bond & Fox, 2007). The mean square for both infit and outfit were interpreted with a value of 1.0 as the ideal and a range of 0.5 – 1.50 indicating good fit to scale for each item as "mean-squares near 1.0 indicate little distortion of the measurement system, regardless of the Zstd value" (Linacre). With only one exception (item 200), the mean square for both infit and outfit for each item was within the ideal range. For this item, the infit mean square was within the ideal range; however, outfit was outside the ideal range, so this item may warrant more investigation. Overall, the point-measure correlations, infit, and outfit statistics indicate that the test items do correlate with the scale and do contribute to scale measurement.

Research Question 2

The second guiding research question sought to determine the evidence available for construct validity for all four draft grade level tests. Specifically, two questions organized the study of construct validity: how are each TRAILS item and its information literacy objective related, and how are item difficulty and the amount of reading related on each TRAILS test? The results of the study do offer evidence that the draft TRAILS tests measure K-12 information literacy. Furthermore, the results also provide evidence

that the student performance on the tests is not related to the reading involved on test items.

Expert Ratings of TRAILS Objective Measurements

The results of the expert ratings of TRAILS items/objective measurements offer the most significant evidence gathered in the study that the tests do indeed measure IL and not another construct. At the scale level, the majority of ratings for all four grade level tests agreed that the individual items did indeed measure their associated TRAILS objective (3^{rd} grade, "Yes" ratings = 92.50%; 6^{th} grade, "Yes ratings = 87.86%; 9^{th} grade, "Yes" ratings = 82.10%; 12^{th} grade, "Yes" ratings = 79.04%).

As discussed earlier, the inter-rater reliability for the four tests was moderate to substantial and not a concern. Overall, these scale-level ratings offer evidence that the content experts who participated in the study felt that the items generally measure the TRAILS objectives.

At the individual item level, all but two items (642, 9^{th} grade test; 448, 12^{th} grade test) received the majority "Yes" this item measures its associated TRAILS objective rating. The "Yes W/ Revisions" ratings for those two items combined with the "Yes" ratings represent the majority of the received ratings, meaning that the content experts rated all items as either currently measuring their associated TRAILS objective or potentially doing so at the majority level.

Overall, these ratings offer evidence that the TRAILS items do measure their associated objective; however, the results do offer the opportunity for item improvement.

Using a 67.00% or lower threshold for “Yes” ratings to identify items for potential revision and review, 14 items were identified across all four grade level tests. See Table 25 for items that have been identified for review and potential revision based on the content expert ratings.

Table 25

Items Proposed for Review and Potential Revision

Item	Grade Level Test	Percentage of "Yes" Ratings
462	3rd	65.00%
49	9th	66.70%
151	9th	66.70%
289	9th	53.40%
642	9th	46.70%
648	9th	53.30%
331	12th	55.60%
337	12th	66.70%
340	12th	66.70%
341	12th	55.60%
346	12th	66.70%
408	12th	60.00%
448	12th	30.00%
457	12th	66.70%

Relationship between the Amount of Reading and Item Difficulty

The correlation study conducted to determine whether there was a relationship between the amount of reading involved on each item and its Rasch difficulty level found little evidence of such a relationship. The scatterplots in Figures 10 - 13 can be described as depicting a weak linear relationship between the alphanumeric characters on each item and its item difficulty, meeting the assumption for the Pearson Correlation Coefficient (Corder, Foreman, & Corder, 1997) The results of this correlation study combined with the results of the content expert ratings indicate that the test items measure information literacy and not reading ability as a separate construct.

Further Evidence of Construct Validity

As discussed in Chapter I, the TRAILS objectives were developed by practicing school librarians in the associated grade level and based on the learning objectives in the K-12 Ohio curriculum standards and the Information Power standards. The items rated in this study were then developed to measure the objectives (Schloman, Gedeon, & Schwelik, 2010). This process itself offers evidence of content validity as well. The process followed by the TRAILS team is similar to the Evidence-Centered Design utilized in the development and validation of the iSkills test. In both cases, content experts were consulted to create the assessment items associated with learning objectives within the construct and adjusted as evidence was gathered through student performance on the test items. This Evidence-Centered Design process was provided as evidence of construct validity for the iSkills (Katz, 2007) and offers further evidence that the draft TRAILS tests do measure K-12 information literacy.

Research Question 3

The third research question asked what score a student would need to achieve in order to demonstrate proficiency in IL on the TRAILS test at each grade level as established by using a modified bookmarking standard-setting procedure. Proficiency scores were established on each test using this procedure. The raw scores on all four are somewhat similar (3^{rd} grade = 65%; 6^{th} grade = 60%; 9^{th} grade = 63%; 12^{th} grade = 54%) with the 12^{th} grade raw score noticeably lower than the other three grade level tests.

The discussion among the TRAILS project team members, who served as the third round panel, focused on the impact that the proficiency score would have on student performance with a general interest among the team members in bringing the percentage of students performing at or above their proposed proficiency scores inline. As described earlier, the third round panelists did submit their final proficiency scores individually, as well as notes and a recognition of the impact of their proposed score on student performance on the test. These individually submitted scores did accomplish the project team's goal of bringing the percentage of students performing at or above the proficiency score inline for all four grade level tests. See Table 24 for the percentage of students performing at or above the final proficiency score on each grade level test.

The lower proficiency score on the 12th grade test reflects the fact that the test is somewhat more difficult for students at the 12th grade level than the other three tests. Figures 2, 4, 6, and 8 represent the Person-Item Maps for each of the four grade level tests. The left of these maps represents the student performance in relation to the item number to the right. A review of the maps for the 3rd, 6th, and 9th grade tests reveals a normal distribution of student performance. The 12th grade person-item map in Figure 8 is somewhat positively skewed (Bond & Fox, 2007), indicating that the largest spike in student performance aligns with item number 346 (- 1 *SD*). These figures reinforce the data analyzed as part of the standard-setting procedure indicating lower student performance on the 12th grade test.

The discussions for all four grade level tests did indicate the complexity of setting and interpreting a proficiency score on a national test of IL, which remains a very

localized construct. Participants struggled with separating their localized curriculum and student experience with the idea of a national standard. Through the process of discussing the proficiency score and following the bookmarking procedure, participants did focus on a national standard; however, that tension in the standard setting process may persist in the interpretation of the proficiency score as the test is administered.

The difficulty order of TRAILS items also arose in both rounds as a point of discussion. As a proficiency score was discussed, it was not uncommon for an item preceding or following that cut line in the test to be identified as disrupting the concept of being included or excluded from the finalized test. Of course, the raw score is a simple CTT score and does not at all preclude a student performing as expected by the participants on those identified items; however, the bookmarking procedure study was conducted after the Rasch analyses and item/objective reviews for each grade level test. It was therefore observed to participants that, generally speaking, the items were reviewed and found to be effectively measuring their associated TRAILS object and that each item's difficulty was based on student performance, so each proficiency determination could assume a reliable item order.

One concern for the proficiency scores is their long-term reliability. They are based on data gathered through low stakes testing and may need to be revisited as more data are gathered. The issue of low stakes testing is discussed more fully in the "Limitations of the Study" section below; however, one concern is that student performance is generally anticipated to improve as the tests are used in higher stakes applications. The third research question, regarding the proficiency score needed on each

grade level test, has the greatest potential to be effected by an increase in student performance. This issue was discussed in both Round 2 and Round 3 of the standard setting, so it was presumably factored into the final vote in Round 2 and submission in Round 3; however it may need to be revisited as more data are gathered. The item revision cycle described below may also affect the proficiency scores; however, the proposed revisions should be administered with every effort to minimize the impact on the proficiency scores on each test.

A single scored test assumes unidimensionality of measurement (DeMars, 2010). Although this study did not examine the dimensionality of the tests, some evidence for unidimensionality was found. The Rasch fit statistics that were discussed earlier in relation to research question 1 offer some evidence of unidimensionality, as they indicate that all items on each of the four tests fit the Rasch model for both test-takers near the mean and outliers. Unidimensionality of the measure is one assumption of the Rasch model (Bond & Fox, 2007), so the fit statistics do offer some evidence that a single score for each test is a valid option. More evidence of unidimensionality on the tests is needed, and further investigation is one potential line of future inquiry.

Implications of the Study

As indicated earlier, no large-scale test of IL exists for the K-12 environment. The results of this study will facilitate the valid and reliable measurement of IL in this environment in at least three potential applications. First, researchers interested in measuring IL as a predictor or outcome variable at the 3rd, 6th, 9th, or 12th grade levels will

now have access to a valid and reliable test at each of these levels. Studies like the two discussed in Chapters 1 and 2 in which the currently available TRAILS general assessments were used to measure IL as an outcome variable (Bailey & Paul, 2012; Kovalik, Yutz, & Piazza, 2012) can be improved both by using tests that have undergone this type of analysis and by using the proficiency scores in their design.

In addition to research studies, classroom teachers and school librarians are increasingly being asked to gather additional data related to their effectiveness. Forty-one states now require or recommend multiple measures of teacher effectiveness (Hull, 2013). In many cases, student performance is used as a measure of teacher effectiveness. As discussed in Chapter I, IL learning outcomes are embedded throughout the Common Core, so valid and reliable measures of IL at the K-12 level can be used not only by school librarians when required, but by classroom teachers who either partner to provide IL instruction, or address the IL learning outcomes that are included in the Common Core.

Finally, these tests can be used as part of teacher education in states that have adopted the Teacher Performance Assessment model for pre-service teachers. Twelve states require increased assessment of pre-service teacher performance through multiple measures much like the teacher evaluations discussed earlier (AACTE, 2014). Those pre-service classroom teachers or school librarians working in states that have adopted this model can use the appropriate grade level TRAILS test as a measure of student IL.

In addition to the K-12 environment, the development of a valid and reliable test of 12th grade IL has implications in higher education and in K-16 matriculation programs.

Universities, colleges, and community colleges interested in targeting their IL programs can use the 12th grade TRAILS test to measure the IL of their incoming freshmen. Research applications among this population can be supported by the 12th grade TRAILS test as well.

The study itself has the potential for high impact on the field of K-12 information literacy instruction and assessment. The high level of use and profile for the current TRAILS general assessments discussed in Chapter I are indications that valid and reliable tests using the TRAILS item banks may be well received and heavily used in the applications described earlier. The evidence of test reliability, construct validity, and the scoring criteria will be of interest to researchers and K-12 administrators when using the tests developed as a result of this study in their own research studies or high-stakes testing of student performance or teaching effectiveness.

In addition to its impact on the field of K-12 information literacy assessment, the study has the potential to make at least one contribution to the field of measurement. The modifications made to the bookmarking standard-setting procedure to accommodate both a national perspective and one group of participants reviewing all four of the tests is unique to the field. At the very least, the use of technology to facilitate the standard-setting process may serve as a model for subsequent studies.

Limitations of the Study and Future Directions

The most significant limitation of the study is the fact that the data gathered were the result of low stakes testing. This is not unique to this study. Wise and DeMars (2010)

note the wide use of low stakes testing in test validation and articulate the issues, most notable overall lower performance than anticipated in higher stakes settings and individual item level guessing that can go unmeasured. Tests that will eventually be used in higher stakes environments often go through their development and validation in these low stakes and low effort environments. Wise and Kong (2005) offer a solution for low examinee effort. By calculating a threshold for typical item response time on the test, the investigator can remove from analysis any respondent data where the response is submitted too quickly, indicating a pattern of rapid guessing. Unfortunately, this was not possible for the current study. The items were administered using the current TRAILS project infrastructure, which does not facilitate the timing of individual item submissions. As these validated tests are used in different applications, particularly higher-stakes testing, further research into student performance on the tests will be necessary to measure any relationship between testing application and performance.

Although the current study did analyze evidence of content validity, the use of an external measure of information literacy was not included. It is customary to study the correlation between the tests being developed and validated and a measure or measures that have already undergone similar studies. Among the IL tests discussed in Chapter II, both the ILT and Project SAILS tests were compared with external measures of IL as part of their validation studies (Cameron, Wise, & Lottridge, 2007; Project SAILS, 2012). External validation was not included in the current study primarily due to the fact that no large-scale knowledge test of information literacy at the K-12 level exists beyond the TRAILS project.

Further research into the content validity of the TRAILS tests could utilize a test of IL at the undergraduate level as an external comparison. A correlation study is proposed in which a sample of students at the midpoint between the grade levels is used to study the relationship between the scores on each TRAILS grade level test and then an undergraduate test of IL, such as the ILT at James Madison or the individually scored SAILS test. In the current study, a sample of students at the collegiate freshman level would take both the ILT or SAILS test and the 12th grade TRAILS test. A sample of students at the 10th grade level would take both the 12th grade and 9th grade level TRAILS tests. Another sample of students at the 7th grade level would take both the 9th and 6th grade level TRAILS tests, and a final sample of students at the 4th grade level would take both the 6th and 3rd grade level TRAILS tests. Correlations would be estimated for each sample as a measure of the relationship between the two tests. Moderate to strong positive correlations would serve as further evidence that each test measures the same construct. The inclusion of the externally validated IL test in the study would offer further evidence that the underlying construct is indeed information literacy.

Although the results of the study indicate that the TRAILS items and draft test do measure IL, select items have been identified as opportunities for improvement. The draft tests were constructed using the best item in the item banks for each grade level; however, select items were identified through the expert rating of TRAILS objective measurement by each item in response to research question 2 as less than optimal. All items were positively correlated with their scale, and no Rasch fit statistic issues were

identified, so an item review and development project is proposed for those items identified through the expert rating process. In this proposed review, these items would be reviewed, revised as needed, and then field tested and calibrated using the Rasch IRT model before being used in the active test for their associated grade level. See Table 25 for the items that are proposed for this initial review.

The results of the expert rating of item measurement of corresponding IL objectives, as well as the evolving nature of IL itself, suggest that item development is an ongoing need for these tests. Following the item review discussed earlier, a rotating item review and development cycle is therefore proposed for each of the TRAILS tests. In this cycle, an annual review of the psychometric properties of all active TRAILS items is proposed as well as a rotating review of each test that focuses specifically on the content of each item and its corresponding TRAILS IL objective. The cycle should start with the 9th grade test since those items were developed at the earliest date in the project and then progress to the 6th, 12th, and finally 3rd grade tests. Under this plan, items would be reviewed during the fall semester of the assigned year so that any item development can take place during the fall semester. Newly developed items would then be field tested as part of the freely available TRAILS assessments until 500 responses are provided for them, based on the same calibration sample size recommendations used for the current study (Linacre, 1994). To ensure the proper alignment of item difficulty for the items being replaced, it may be necessary to develop up to five items for each that is identified for revision.

As part of the Evidence-Centered Design utilized by the TRAILS team, grade level school librarians developed the TRAILS objectives and items. The items were written to be grade level appropriate; however, further research into the reading level of the TRAILS items can now be conducted by using text analysis software and used to determine whether the items are written for their targeted grade level. The results of which would be particularly useful as part of the item revision cycle described earlier.

With a valid and reliable assessment of K-12 IL at four grade levels, the TRAILS project team can now use the draft grade level tests in a research study of IL at the national level. A research project is proposed in which the draft tests are administered at the national level. The participating schools could then be surveyed to gather additional institutional and state level demographics to identify factors that affect student IL. The data gathered by TRAILS as proposed can be described as nested and would be well suited for analysis using hierarchical linear modeling in which factors at the classroom, school, district, and state levels would be analyzed for their effect on student IL (Raudenbush & Bryk, 2002).

Conclusion

This study sought to determine whether the TRAILS item banks could be used to provide an efficient, reliable, and valid measurement of K-12 information literacy. The TRAILS items and assessments have been used since their development, beginning in 2006, as classroom instructional tools and increasingly in applications that assume their validity and reliability. This study first assessed the current reliability of the available

TRAILS assessments and determined that a recalibration of the test administration was necessary. By selecting the best items in the item banks at each grade level, sampled to ensure content coverage and item difficulty spread, draft tests at each grade level were able to be established with acceptable reliability.

The study also sought to gather evidence of construct validity. Overall, the results of this study indicate that the draft TRAILS tests do measure K-12 IL. Select items were identified as opportunities for measurement improvement; however, the psychometric properties of the items indicate that they can be used until suitable replacements are developed. Overall, the results of the current study do indicate that the TRAILS items and draft tests measure IL, and are not overly affected by the amount of reading that is involved in the test item. Although these results offer evidence of construct validity, this remains the most significant opportunity for further research on the TRAILS items and tests due to the complexity of evaluating construct validity.

Finally, the study sought to offer a scoring criterion for TRAILS test takers by developing a proficiency score for each grade level test. A score was successfully developed through a modified bookmarking standard-setting procedure. As test items are revised and student performance on the test evolves, these proficiency scores may need to be revisited; however the results of this study have established at least a baseline for the interpretation of TRAILS testing for the administration of a valid and reliable version of each grade level test.

A guiding objective for this study was to establish the framework into which the TRAILS project team could administer valid and reliable versions of each grade level

test, revise items, and develop parallel tests to assist in the development and sustainability of the project. The results of this study have helped to establish that framework and to demonstrate that the draft TRAILS tests can be used to validly and reliably measure IL, meeting the research objectives described in Chapter I.

APPENDICES

APPENDIX A

KENT STATE UNIVERSITY INSTITUTIONAL REVIEW BOARD APPROVALS

Appendix A

Kent State University Institutional Review Board Approvals

RE: Protocol #12-434 entitled "TRAILS: Tool for Real-Time Assessment of Information Literacy Skills Validation Study"

I am pleased to inform you that the Kent State University Institutional Review Board has reviewed and approved your Application for Approval to Use Human Research Participants as Level I/Exempt research. This application was approved on **October 2, 2012**. Your research project involves minimal risk to human subjects and meets the criteria for the following category of exemption under federal regulations:

- Exemption 2: Research involving the use of educational tests, surveys, interviews, or observation of public behavior.

***Submission of annual review reports is not required for Level 1/Exempt projects.

If any modifications are made in research design, methodology, or procedures that increase the risks to subjects or includes activities that do not fall within the approved exemption category, those modifications must be submitted to and approved by the IRB before implementation. Please contact the IRB administrator to discuss the changes and whether a new application must be submitted. *It is important for you to also keep an unstamped text copy (i.e., Microsoft Word version) of your consent form for subsequent submissions.*

Kent State University has a Federal Wide Assurance on file with the Office for Human Research Protections (OHRP); FWA Number 00001853.

If you have any questions or concerns, please contact me by phone at 330-672-2704 or by email at Pwashko@kent.edu.

Respectfully,
Kent State University Office of Research Compliance
224 Cartwright Hall | fax 330.672.2658

Kevin McCreary | Research Compliance Coordinator | 330.672.8058
|kmccrea1@kent.edu
Laurie Kiehl | Research Compliance Assistant | 330.672.0837 | lkiehl@kent.edu

Paulette Washko | Manager, Research Compliance |330.672.2704| Pwashko@kent.edu

For links to obtain general information, access forms, and complete required training, visit our website at www.kent.edu/research.

RE: IRB # 14-049 entitled "TRAILS: Tool for Real-Time Assessment of Information Literacy Skills Validation Study Phase II"

Hello,
I am pleased to inform you that the Kent State University Institutional Review Board reviewed and approved your Application for Approval to Use Human Research Participants as a Level II/Expedited, category 6 project. **Approval is effective for a twelve-month period:**

February 3, 2014 through February 2, 2015.

**A copy of the IRB approved consent form is attached to this email. This "stamped" copy is the consent form that you must use for your research participants. It is important for you to also keep an unstamped text copy (i.e., Microsoft Word version) of your consent form for subsequent submissions.*

Federal regulations and Kent State University IRB policy require that research be reviewed at intervals appropriate to the degree of risk, but not less than once per year. The IRB has determined that this protocol requires an annual review and progress report. The IRB tries to send you annual review reminder notice to by email as a courtesy. **However, please note that it is the responsibility of the principal investigator to be aware of the study expiration date and submit the required materials.** Please submit review materials (annual review form and copy of current consent form) one month prior to the expiration date.

HHS regulations and Kent State University Institutional Review Board guidelines require that any changes in research methodology, protocol design, or principal investigator have the prior approval of the IRB before implementation and continuation of the protocol. The IRB must also be informed of any adverse events associated with the study. The IRB further requests a final report at the conclusion of the study.

Kent State University has a Federal Wide Assurance on file with the Office for Human Research Protections (OHRP); FWA Number 00001853.

If you have any questions or concerns, please contact the Office of Research Compliance at Researchcompliance@kent.edu or 330-672-2704 or 330-672-8058.

Respectfully,
Kent State University Office of Research Compliance
224 Cartwright Hall | fax 330.672.2658

Kevin McCreary | Research Compliance Coordinator | 330.672.8058 |

kmccrea1@kent.edu
Paulette Washko | Manager, Research Compliance |330.672.2704| Pwashko@kent.edu

For links to obtain general information, access forms, and complete required training, visit our website at www.kent.edu/research.

APPENDIX B

BOOKMARKING STANDARD-SETTING PROCEDURE

ROUND THREE SCORING SHEET

Appendix B

Bookmarking Standard-Setting Procedure

Round Three Scoring Sheet

	3rd Grade Proficient	**6th Grade Proficient**	**9th Grade Proficient**	**12th Grade Proficient**
Page Number				
Item Number				
Raw Score				
% At or Above Raw Score				

3rd grade notes:

6th grade notes:

9th grade notes:

12th grade notes:

APPENDIX C

SELECTED WINSTEPS OUTPUT FOR 3RD GRADE ITEM BANK

Appendix C

Selected Winsteps Output for 3rd Grade Item Bank

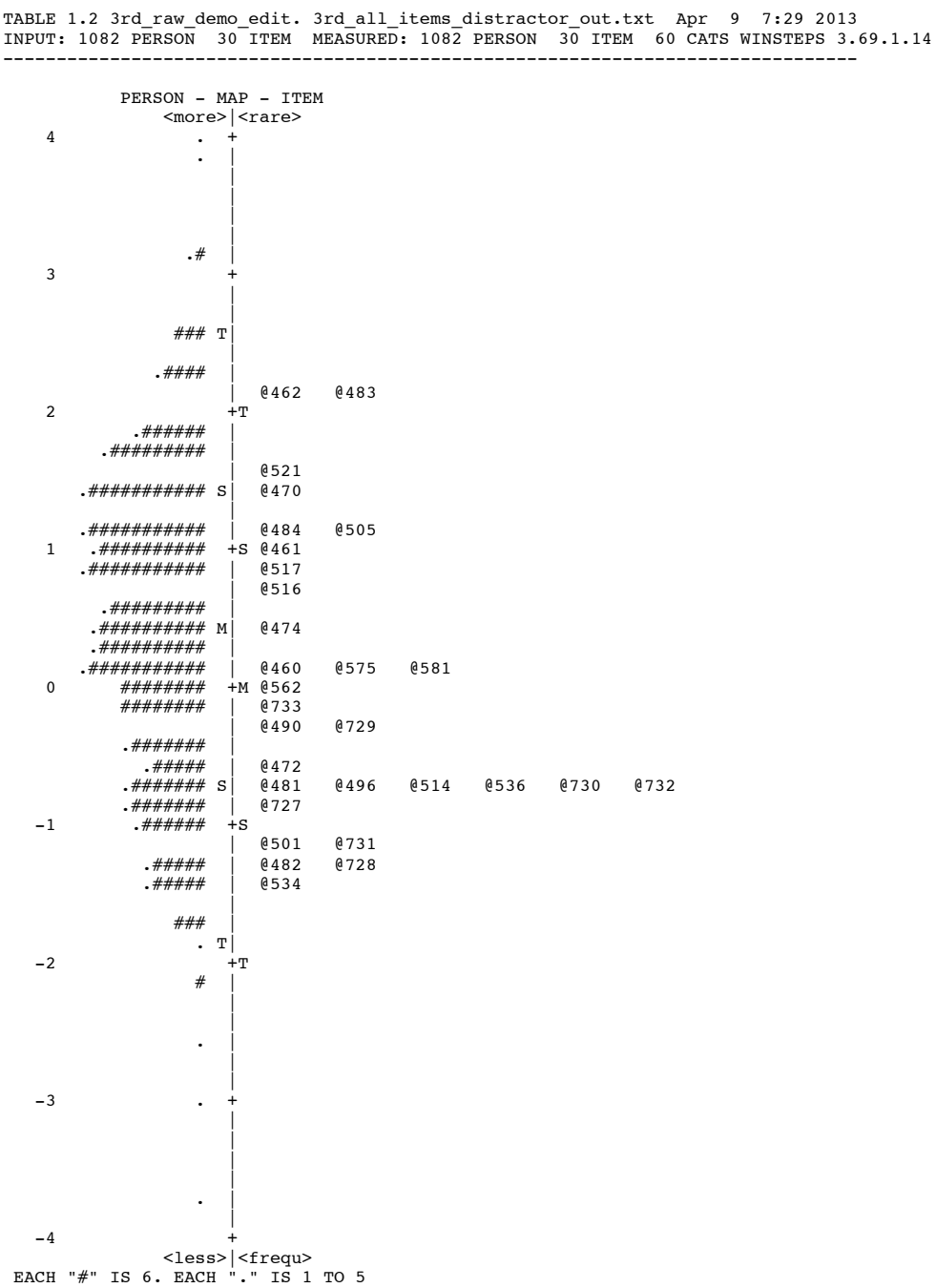


TABLE 13.1 3rd_raw_demo_edit 3rd_all_items_distractor_out.txt Apr 9 7:29 2013
INPUT: 1082 PERSON 30 ITEM MEASURED: 1082 PERSON 30 ITEM 60 CATS WINSTEPS 3.69.1.14

PERSON: REAL SEP.: 2.13 REL.: .82 ... ITEM: REAL SEP.: 13.17 REL.: .99

ITEM STATISTICS: MEASURE ORDER

ENTRY NUMBER	TOTAL SCORE	TOTAL COUNT	MEASURE	MODEL S.E.	INFIT MNSQ	INFIT ZSTD	OUTFIT MNSQ	OUTFIT ZSTD	PT-MEASURE CORR.	PT-MEASURE EXP.	EXACT MATCH OBS%	EXACT MATCH EXP%	ITEM	G
9	208	1082	2.13	.08	1.20	4.0	2.07	9.0	.12	.36	80.1	81.7	@483	0
3	213	1082	2.09	.08	1.14	2.9	1.46	4.5	.22	.36	80.4	81.3	@462	0
18	305	1082	1.53	.07	1.13	3.6	1.37	5.1	.28	.40	72.2	75.1	@521	0
4	334	1082	1.37	.07	1.10	3.0	1.18	2.9	.32	.41	71.0	73.6	@470	0
10	391	1082	1.08	.07	1.27	8.6	1.39	6.9	.20	.43	61.5	71.4	@484	0
14	391	1082	1.08	.07	.97	-.9	.98	-.5	.45	.43	72.6	71.4	@505	0
2	410	1082	.99	.07	1.06	2.1	1.05	1.1	.39	.43	69.0	70.8	@461	0
17	441	1082	.84	.07	.96	-1.5	.94	-1.4	.47	.44	72.1	70.1	@517	0
16	455	1082	.77	.07	1.04	1.3	1.13	2.9	.40	.44	69.9	69.9	@516	0
6	529	1082	.43	.07	.92	-3.0	.89	-3.0	.51	.45	71.7	69.3	@474	0
22	583	1082	.18	.07	.96	-1.4	.93	-1.7	.48	.45	71.4	69.6	@575	0
23	593	1082	.13	.07	.99	-.4	.96	-1.0	.46	.45	70.1	69.7	@581	0
1	601	1082	.09	.07	.95	-2.0	.95	-1.4	.49	.45	70.8	69.8	@460	0
21	633	1082	-.06	.07	1.04	1.6	1.03	.6	.41	.44	67.4	70.5	@562	0
30	653	1082	-.15	.07	.89	-4.1	.84	-3.8	.54	.44	75.0	71.0	@733	0
11	673	1082	-.25	.07	.96	-1.2	.92	-1.9	.47	.44	72.6	71.6	@490	0
26	688	1082	-.33	.07	.95	-1.5	.93	-1.6	.48	.44	73.6	72.1	@729	0
5	740	1082	-.59	.07	.92	-2.3	.86	-2.6	.49	.43	76.6	74.1	@472	0
20	761	1082	-.70	.07	.98	-.7	.94	-1.1	.45	.42	75.5	75.0	@536	0
7	763	1082	-.72	.07	1.10	2.9	1.05	.9	.35	.42	71.0	75.1	@481	0
29	766	1082	-.73	.07	.86	-4.1	.76	-4.3	.54	.42	78.0	75.2	@732	0
12	771	1082	-.76	.07	.92	-2.4	.83	-2.9	.49	.42	77.0	75.5	@496	0
15	773	1082	-.77	.07	.87	-3.7	.79	-3.6	.52	.42	78.8	75.6	@514	0
27	774	1082	-.78	.07	1.30	7.7	1.72	9.7	.13	.42	69.7	75.6	@730	0
24	782	1082	-.82	.08	.87	-3.8	.78	-3.7	.53	.41	78.9	76.0	@727	0
13	828	1082	-1.09	.08	.94	-1.5	.82	-2.6	.46	.40	79.3	78.6	@501	0
28	831	1082	-1.11	.08	.87	-3.4	.74	-3.8	.51	.40	81.2	78.8	@731	0
25	852	1082	-1.25	.08	.90	-2.4	.74	-3.5	.48	.39	81.5	80.2	@728	0
8	854	1082	-1.26	.08	1.01	.2	1.01	.1	.38	.39	80.0	80.3	@482	0
19	869	1082	-1.36	.08	.84	-3.6	.70	-3.9	.51	.38	84.2	81.4	@534	0
MEAN	615.5	1082.0	.00	.07	1.00	-.2	1.02	-.2			74.4	74.3		
S.D.	197.8	.5	1.00	.00	.12	3.3	.30	3.8			5.0	3.9		

TABLE 26.3 3rd_raw_demo_edit 3rd_all_items_distractor_out.txt Apr 9 7:29 2013
INPUT: 1082 PERSON 30 ITEM MEASURED: 1082 PERSON 30 ITEM 60 CATS WINSTEPS 3.69.1.14

ITEM CATEGORY/OPTION/DISTRACTOR FREQUENCIES: CORRELATION ORDER

ENTRY NUMBER	DATA CODE	SCORE VALUE	DATA COUNT	%	AVERAGE MEASURE	S.E. MEAN	OUTF MNSQ	PTMEA CORR.	ITEM
9	.	0	39	4	-1.05	.20	.5	-.25	@483
	4	0	114	11	.04	.09	.9	-.10	
	1	0	301	28	.10	.05	.8	-.15	
	2	0	420	39	.64	.05	1.5	.20	
	3	1	208	19	.64	.09	2.3	.12	
27	.	0	30	3	-1.12	.23	.6	-.23	@730
	3	0	48	4	-.29	.16	1.2	-.13	
	2	0	105	10	.20	.11	1.9	-.05	
	4	0	125	12	.55	.10	2.5	.06	
	1	1	774	72	.46*	.04	1.2	.13	
10	.	0	26	2	-.96	.23	.4	-.19	@484
	2	0	232	21	.13	.07	1.1	-.11	
	3	0	153	14	.18	.09	1.1	-.07	
	1	0	280	26	.38	.07	1.5	.01	
	4	1	391	36	.66	.05	1.5	.20	
3	.	0	28	3	-1.16	.24	.3	-.22	@462
	4	0	154	14	-.22	.08	.7	-.22	
	1	0	306	28	.13	.06	.9	-.13	
	3	0	381	35	.63	.05	1.5	.18	
	2	1	213	20	.85	.08	1.5	.22	
18	.	0	44	4	-.85	.18	.4	-.23	@521
	2	0	88	8	-.38	.09	.6	-.20	
	1	0	318	29	.20	.06	1.1	-.10	
	3	0	327	30	.43	.05	1.3	.04	
	4	1	305	28	.86	.06	1.5	.28	
4	.	0	38	4	-1.18	.18	.3	-.27	@470
	4	0	160	15	-.06	.08	.9	-.16	
	1	0	163	15	-.03	.07	.8	-.15	
	2	0	387	36	.40	.05	1.3	.02	
	3	1	334	31	.90	.06	1.2	.32	
7	.	0	41	4	-1.02	.18	.6	-.25	@481
	1	0	278	26	-.12	.05	1.1	-.26	
	2	1	763	71	.62	.04	1.1	.35	
8	.	0	36	3	-.94	.20	.7	-.22	@482
	2	0	192	18	-.35	.07	1.1	-.30	
	1	1	854	79	.58	.04	1.0	.38	
2	.	0	37	3	-.90	.18	.4	-.22	@461
	1	0	86	8	-.46	.10	.6	-.22	
	2	0	83	8	-.26	.11	.8	-.16	
	3	0	466	43	.25	.05	1.2	-.09	
	4	1	410	38	.91	.05	1.0	.39	
16	.	0	39	4	-.67	.21	.7	-.18	@516
	3	0	223	21	-.03	.06	.9	-.18	
	2	0	141	13	-.03	.08	1.0	-.14	
	4	0	224	21	.14	.06	1.1	-.10	
	1	1	455	42	.89	.05	1.2	.40	
21	.	0	37	3	-1.11	.20	.5	-.25	@562
	2	0	120	11	-.26	.09	.9	-.20	
	4	0	104	10	-.06	.09	1.0	-.13	
	3	0	188	17	.00	.07	1.2	-.15	
	1	1	633	59	.75	.04	1.0	.41	
20	.	0	41	4	-.99	.18	.5	-.24	@536
	1	0	154	14	-.41	.07	.9	-.29	
	3	0	126	12	-.18	.08	1.0	-.18	
	2	1	761	70	.69	.04	1.0	.45	

	14	.	0	22	2	-1.32	.23	.3	-.22	@505
		1	0	157	15	-.66	.06	.4	-.38	
		4	0	121	11	.09	.08	.9	-.09	
		2	0	391	36	.30	.05	1.3	-.04	
		3	1	391	36	1.02	.05	1.0	.45	
	13	.	0	43	4	-1.16	.17	.5	-.28	@501
		1	0	155	14	-.48	.06	.8	-.31	
		3	0	56	5	-.30	.12	1.0	-.14	
		2	1	828	77	.65	.04	1.0	.46	
	23	.	0	34	3	-.81	.24	.8	-.19	@581
		2	0	91	8	-.39	.09	.7	-.21	
		3	0	147	14	-.21	.07	.9	-.21	
		1	0	217	20	-.01	.06	1.0	-.17	
		4	1	593	55	.83	.04	1.0	.46	
	17	.	0	34	3	-1.25	.21	.4	-.26	@517
		1	0	271	25	-.21	.05	.7	-.30	
		2	0	336	31	.17	.05	1.2	-.12	
		3	1	441	41	1.00	.04	.9	.47	
	11	.	0	32	3	-1.13	.22	.5	-.23	@490
		2	0	225	21	-.32	.05	.8	-.32	
		3	0	152	14	-.12	.06	.9	-.18	
		1	1	673	62	.78	.04	1.1	.47	
	26	.	0	37	3	-1.23	.18	.5	-.27	@729
		2	0	126	12	-.59	.07	.6	-.31	
		3	0	231	21	-.05	.06	1.1	-.19	
		1	1	688	64	.77	.04	1.0	.48	
	22	.	0	29	3	-.94	.23	.5	-.19	@575
		2	0	62	6	-.58	.10	.6	-.21	
		1	0	107	10	-.47	.09	.7	-.25	
		4	0	301	28	.03	.05	1.1	-.19	
		3	1	583	54	.86	.04	.9	.48	
	25	.	0	23	2	-1.68	.19	.2	-.27	@728
		1	0	124	11	-.63	.07	.7	-.32	
		3	0	83	8	-.45	.09	.8	-.21	
		2	1	852	79	.65	.03	.9	.48	
	1	.	0	35	3	-.85	.17	.5	-.20	@460
		3	0	103	10	-.35	.08	.7	-.21	
		2	0	124	11	-.28	.09	.9	-.21	
		1	0	219	20	-.07	.06	1.0	-.20	
		4	1	601	56	.85	.04	1.0	.49	
	5	.	0	37	3	-.93	.16	.5	-.22	@472
		1	0	107	10	-.45	.10	.9	-.24	
		4	0	101	9	-.34	.09	.9	-.21	
		3	0	97	9	-.34	.09	.9	-.20	
		2	1	740	68	.74	.04	.9	.49	
	12	.	0	32	3	-1.09	.22	.6	-.23	@496
		2	0	97	9	-.67	.09	.7	-.29	
		1	0	182	17	-.30	.06	.9	-.27	
		3	1	771	71	.71	.04	.9	.49	
	19	.	0	42	4	-.94	.18	.7	-.24	@534
		4	0	31	3	-.84	.14	.5	-.19	
		1	0	98	9	-.75	.08	.7	-.32	
		2	0	42	4	-.65	.13	.7	-.18	
		3	1	869	80	.65	.03	.9	.51	
	28	.	0	39	4	-1.14	.18	.6	-.26	@731
		3	0	55	5	-.71	.09	.6	-.22	
		1	0	157	15	-.54	.07	.8	-.34	
		2	1	831	77	.68	.03	.9	.51	
	6	.	0	38	4	-.86	.21	.6	-.21	@474
		2	0	62	6	-.42	.11	.6	-.18	
		1	0	226	21	-.34	.06	.7	-.33	
		3	0	227	21	.13	.06	1.2	-.11	

	4	1	529	49	.95	.04	.9	.51	
15	.	0	30	3	-.86	.21	.6	-.19	@514
	2	0	70	6	-.80	.09	.5	-.28	
	1	0	127	12	-.46	.07	.8	-.27	
	4	0	82	8	-.37	.10	.9	-.19	
	3	1	773	71	.73	.03	.9	.52	
24	.	0	36	3	-1.12	.16	.4	-.25	@727
	3	0	68	6	-.66	.10	.6	-.24	
	1	0	63	6	-.57	.10	.7	-.21	
	4	0	133	12	-.39	.08	.9	-.26	
	2	1	782	72	.73	.03	.9	.53	
30	.	0	33	3	-1.06	.23	.6	-.23	@733
	1	0	109	10	-.40	.09	.8	-.23	
	2	0	173	16	-.28	.06	.8	-.25	
	4	0	114	11	-.27	.09	.9	-.20	
	3	1	653	60	.85	.04	.9	.54	
29	.	0	28	3	-1.19	.21	.4	-.23	@732
	2	0	140	13	-.57	.07	.7	-.33	
	4	0	50	5	-.48	.13	.8	-.17	
	1	0	98	9	-.41	.09	.8	-.22	
	3	1	766	71	.75	.03	.9	.54	

* Average measure does not ascend with category score follow: columns in label

TABLE 30.1 3rd_raw_demo_edit 3rd_all_items_distractor_out.txt Apr 9 7:29 2013
INPUT: 1082 PERSON 30 ITEM MEASURED: 1082 PERSON 30 ITEM 60 CATS WINSTEPS 3.69.1.14

DIF class specification is: DIF=@737 (Gender)

PERSON CLASS	DIF MEASURE	DIF S.E.	PERSON CLASS	DIF MEASURE	DIF S.E.	DIF CONTRAST	JOINT S.E.	t	Welch d.f.	Welch Prob.	Mantel Prob.	Hanzl Size	ITEM Number	Name
1	.07	.10	2	.12	.10	-.05	.14	-.35	INF	.7270	.9110	-.05	1	@460
2	.12	.10	1	.07	.10	.05	.14	.35	INF	.7270	.9110	.05	1	@460
1	.99	.10	2	.99	.10	.00	.14	.00	INF	1.000	.8910	-.02	2	@461
2	.99	.10	1	.99	.10	.00	.14	.00	INF	1.000	.8910	.02	2	@461
1	2.31	.12	2	1.88	.11	.43	.17	2.61	INF	.0092	.1050	.22	3	@462
2	1.88	.11	1	2.31	.12	-.43	.17	-2.61	INF	.0092	.1050	-.22	3	@462
1	1.52	.10	2	1.23	.10	.30	.15	2.03	INF	.0425	.1086	.22	4	@470
2	1.23	.10	1	1.52	.10	-.30	.15	-2.03	INF	.0425	.1086	-.22	4	@470
1	-.76	.11	2	-.44	.10	-.33	.15	-2.22	INF	.0266	.0408	-.19	5	@472
2	-.44	.10	1	-.76	.11	.33	.15	2.22	INF	.0266	.0408	.19	5	@472
1	.40	.10	2	.46	.10	-.07	.14	-.48	INF	.6292	.7306	-.05	6	@474
2	.46	.10	1	.40	.10	.07	.14	.48	INF	.6292	.7306	.05	6	@474
1	-.66	.11	2	-.77	.10	.11	.15	.72	INF	.4717	.8341	.02	7	@481
2	-.77	.10	1	-.66	.11	-.11	.15	-.72	INF	.4717	.8341	-.02	7	@481
1	-1.26	.12	2	-1.26	.11	.00	.16	.00	INF	1.000	.9722	-.01	8	@482
2	-1.26	.11	1	-1.26	.12	.00	.16	.00	INF	1.000	.9722	.01	8	@482
1	2.10	.11	2	2.16	.12	-.05	.17	-.32	INF	.7499	.3480	-.14	9	@483
2	2.16	.12	1	2.10	.11	.05	.17	.32	INF	.7499	.3480	.14	9	@483
1	1.05	.10	2	1.12	.10	-.07	.14	-.51	INF	.6070	.2254	-.15	10	@484
2	1.12	.10	1	1.05	.10	.07	.14	.51	INF	.6070	.2254	.15	10	@484
1	-.25	.10	2	-.25	.10	.00	.14	.00	INF	1.000	.7656	-.02	11	@490
2	-.25	.10	1	-.25	.10	.00	.14	.00	INF	1.000	.7656	.02	11	@490
1	-.62	.10	2	-.90	.11	.28	.15	1.90	INF	.0583	.0247	.34	12	@496
2	-.90	.11	1	-.62	.10	-.28	.15	-1.90	INF	.0583	.0247	-.34	12	@496
1	-1.02	.11	2	-1.17	.11	.15	.16	.96	INF	.3380	.2574	.08	13	@501
2	-1.17	.11	1	-1.02	.11	-.15	.16	-.96	INF	.3380	.2574	-.08	13	@501
1	1.08	.10	2	1.08	.10	.00	.14	.00	INF	1.000	.9433	-.09	14	@505
2	1.08	.10	1	1.08	.10	.00	.14	.00	INF	1.000	.9433	.09	14	@505
1	-.99	.11	2	-.58	.10	-.41	.15	-2.73	INF	.0064	.0220	-.34	15	@514
2	-.58	.10	1	-.99	.11	.41	.15	2.73	INF	.0064	.0220	.34	15	@514
1	.80	.10	2	.75	.10	.06	.14	.42	INF	.6758	.8876	-.03	16	@516
2	.75	.10	1	.80	.10	-.06	.14	-.42	INF	.6758	.8876	.03	16	@516
1	.80	.10	2	.88	.10	-.08	.14	-.56	INF	.5726	.8323	-.13	17	@517
2	.88	.10	1	.80	.10	.08	.14	.56	INF	.5726	.8323	.13	17	@517
1	1.53	.10	2	1.53	.11	.00	.15	.00	INF	1.000	.7016	-.08	18	@521
2	1.53	.11	1	1.53	.10	.00	.15	.00	INF	1.000	.7016	.08	18	@521
1	-1.47	.12	2	-1.27	.11	-.21	.17	-1.24	INF	.2144	.4631	-.18	19	@534
2	-1.27	.11	1	-1.47	.12	.21	.17	1.24	INF	.2144	.4631	.18	19	@534
1	-.66	.11	2	-.75	.10	.09	.15	.58	INF	.5647	.3856	.09	20	@536
2	-.75	.10	1	-.66	.11	-.09	.15	-.58	INF	.5647	.3856	-.09	20	@536
1	-.09	.10	2	-.02	.10	-.07	.14	-.51	INF	.6110	.4899	-.07	21	@562
2	-.02	.10	1	-.09	.10	.07	.14	.51	INF	.6110	.4899	.07	21	@562
1	.26	.10	2	.10	.10	.16	.14	1.16	INF	.2458	.2271	.12	22	@575
2	.10	.10	1	.26	.10	-.16	.14	-1.16	INF	.2458	.2271	-.12	22	@575
1	.04	.10	2	.22	.10	-.18	.14	-1.30	INF	.1924	.2395	-.15	23	@581
2	.22	.10	1	.04	.10	.18	.14	1.30	INF	.1924	.2395	.15	23	@581
1	-.88	.11	2	-.77	.10	-.11	.15	-.75	INF	.4545	.7307	-.12	24	@727
2	-.77	.10	1	-.88	.11	.11	.15	.75	INF	.4545	.7307	.12	24	@727
1	-1.25	.12	2	-1.25	.11	.00	.16	.00	INF	1.000	.5912	.13	25	@728
2	-1.25	.11	1	-1.25	.12	.00	.16	.00	INF	1.000	.5912	-.13	25	@728
1	-.33	.10	2	-.33	.10	.00	.14	.00	INF	1.000	.8017	.04	26	@729
2	-.33	.10	1	-.33	.10	.00	.14	.00	INF	1.000	.8017	-.04	26	@729
1	-.80	.11	2	-.78	.10	-.02	.15	-.15	INF	.8838	.1475	-.13	27	@730
2	-.78	.10	1	-.80	.11	.02	.15	.15	INF	.8838	.1475	.13	27	@730
1	-1.23	.12	2	-1.01	.11	-.21	.16	-1.35	INF	.1786	.3246	-.10	28	@731
2	-1.01	.11	1	-1.23	.12	.21	.16	1.35	INF	.1786	.3246	.10	28	@731
1	-.76	.11	2	-.70	.10	-.06	.15	-.40	INF	.6903	.9640	-.03	29	@732
2	-.70	.10	1	-.76	.11	.06	.15	.40	INF	.6903	.9640	.03	29	@732
1	.00	.10	2	-.31	.10	.31	.14	2.25	INF	.0246	.0065	.39	30	@733
2	-.31	.10	1	.00	.10	-.31	.14	-2.25	INF	.0246	.0065	-.39	30	@733

Size of Mantel-Haenszel slice: MHSLICE = .010 logits

Category 1 = Female, Category 2 = Male

TABLE 30.4 3rd_raw_demo_edit 3rd_all_items_distractor_out.txt Apr 9 7:29 2013
INPUT: 1082 PERSON 30 ITEM MEASURED: 1082 PERSON 30 ITEM 60 CATS WINSTEPS 3.69.1.14

DIF class specification is: DIF=@737 (Gender)

PERSON CLASSES	SUMMARY DIF CHI-SQUARE	D.F.	PROB.	ITEM Number	Name
2	.1218	1	.7271	1	@460
2	.0000	1	1.0000	2	@461
2	6.8010	1	.0091	3	@462
2	4.1152	1	.0425	4	@470
2	4.9176	1	.0266	5	@472
2	.2331	1	.6293	6	@474
2	.5179	1	.4717	7	@481
2	.0000	1	1.0000	8	@482
2	.1018	1	.7497	9	@483
2	.2645	1	.6071	10	@484
2	.0000	1	1.0000	11	@490
2	3.5850	1	.0583	12	@496
2	.9178	1	.3381	13	@501
2	.0000	1	1.0000	14	@505
2	7.4325	1	.0064	15	@514
2	.1748	1	.6759	16	@516
2	.3183	1	.5726	17	@517
2	.0000	1	1.0000	18	@521
2	1.5411	1	.2145	19	@534
2	.3316	1	.5647	20	@536
2	.2587	1	.6110	21	@562
2	1.3464	1	.2459	22	@575
2	1.6984	1	.1925	23	@581
2	.5590	1	.4547	24	@727
2	.0000	1	1.0000	25	@728
2	.0000	1	1.0000	26	@729
2	.0410	1	.8396	27	@730
2	1.8089	1	.1786	28	@731
2	.1587	1	.6903	29	@732
2	5.0518	1	.0246	30	@733

TABLE 30.1 3rd_raw_demo_edit 3rd_all_items_distractor_out.txt Apr 9 7:29 2013
INPUT: 1082 PERSON 30 ITEM MEASURED: 1082 PERSON 30 ITEM 60 CATS WINSTEPS 3.69.1.14

DIF class specification is: DIF=@738 (Race/Ethnicity)

PERSON CLASS	DIF MEASURE	DIF S.E.	PERSON CLASS	DIF MEASURE	DIF S.E.	DIF CONTRAST	JOINT S.E.	t	Welch d.f.	Welch Prob.	MantelHanzl Prob.	MantelHanzl Size	ITEM Number	ITEM Name
1	-.17	.31	2	.16	.24	-.33	.40	-.82	136	.4131	.9855	-.25	1	@460
1	-.17	.31	3	.44	.25	-.61	.40	-1.51	135	.1346	.3922	-.77	1	@460
1	-.17	.31	4	-.01	.31	-.15	.44	-.35	112	.7286	.7142	.58	1	@460
1	-.17	.31	5	.65	.35	-.82	.47	-1.76	101	.0821	.0850	-.96	1	@460
1	-.17	.31	7	.04	.08	-.21	.33	-.65	98	.5179	.4997	-.12	1	@460
2	.16	.24	1	-.17	.31	.33	.40	.82	136	.4131	.9855	.25	1	@460
2	.16	.24	3	.44	.25	-.28	.35	-.81	169	.4206	.5083	-.11	1	@460
2	.16	.24	4	-.01	.31	.17	.39	.44	118	.6628	.9876	.68	1	@460
2	.16	.24	5	.65	.35	-.50	.42	-1.18	101	.2419	.0904	-.30	1	@460
2	.16	.24	7	.04	.08	.11	.25	.45	154	.6543	.7518	.12	1	@460
3	.44	.25	1	-.17	.31	.61	.40	1.51	135	.1346	.3922	.77	1	@460
3	.44	.25	2	.16	.24	.28	.35	.81	169	.4206	.5083	.11	1	@460
3	.44	.25	4	-.01	.31	.45	.40	1.13	118	.2592	.5264	.63	1	@460
3	.44	.25	5	.65	.35	-.22	.43	-.50	102	.6153	.6703	.83	1	@460
3	.44	.25	7	.04	.08	.39	.26	1.50	144	.1368	.0700	.47	1	@460
4	-.01	.31	1	-.17	.31	.15	.44	.35	112	.7286	.7142	-.58	1	@460
4	-.01	.31	2	.16	.24	-.17	.39	-.44	118	.6628	.9876	-.68	1	@460
4	-.01	.31	3	.44	.25	-.45	.40	-1.13	118	.2592	.5264	-.63	1	@460
4	-.01	.31	5	.65	.35	-.67	.46	-1.44	93	.1541	.1379	-.23	1	@460
4	-.01	.31	7	.04	.08	-.06	.32	-.18	81	.8582	.6671	-.42	1	@460
5	.65	.35	1	-.17	.31	.82	.47	1.76	101	.0821	.0850	.96	1	@460
5	.65	.35	2	.16	.24	.50	.42	1.18	101	.2419	.0904	.30	1	@460
5	.65	.35	3	.44	.25	.22	.43	.50	102	.6153	.6703	-.83	1	@460
5	.65	.35	4	-.01	.31	.67	.46	1.44	93	.1541	.1379	.23	1	@460
5	.65	.35	7	.04	.08	.61	.36	1.72	67	.0907	.0670	.56	1	@460
7	.04	.08	1	-.17	.31	.21	.33	.65	98	.5179	.4997	.12	1	@460
7	.04	.08	2	.16	.24	-.11	.25	-.45	154	.6543	.7518	-.12	1	@460
7	.04	.08	3	.44	.25	-.39	.26	-1.50	144	.1368	.0700	-.47	1	@460
7	.04	.08	4	-.01	.31	.06	.32	.18	81	.8582	.6671	.42	1	@460
7	.04	.08	5	.65	.35	-.61	.36	-1.72	67	.0907	.0670	-.56	1	@460
1	1.36	.28	2	.86	.27	.50	.39	1.29	143	.1994	.2972	.00	2	@461
1	1.36	.28	3	.37	.25	.98	.38	2.61	138	.0099	.2326	.52	2	@461
1	1.36	.28	4	1.39	.36	-.03	.46	-.07	107	.9433	.8794	-.43	2	@461
1	1.36	.28	5	.77	.35	.59	.45	1.31	98	.1933	.5448	-.41	2	@461
1	1.36	.28	7	1.02	.08	.33	.30	1.13	102	.2615	.4061	-.12	2	@461
2	.86	.27	1	1.36	.28	-.50	.39	-1.29	143	.1994	.2972	.00	2	@461
2	.86	.27	3	.37	.25	.48	.36	1.32	169	.1880	.2830	.23	2	@461
2	.86	.27	4	1.39	.36	-.54	.45	-1.18	116	.2385	.1996	.01	2	@461
2	.86	.27	5	.77	.35	.08	.44	.19	106	.8482	.4519	.42	2	@461
2	.86	.27	7	1.02	.08	-.17	.28	-.60	146	.5462	.8794	-.27	2	@461
3	.37	.25	1	1.36	.28	-.98	.38	-2.61	138	.0099	.2326	-.52	2	@461
3	.37	.25	2	.86	.27	-.48	.36	-1.32	169	.1880	.2830	-.23	2	@461
3	.37	.25	4	1.39	.36	-1.02	.44	-2.31	112	.0227	.1389	.18	2	@461
3	.37	.25	5	.77	.35	-.40	.43	-.93	101	.3525	.4401	.10	2	@461
3	.37	.25	7	1.02	.08	-.65	.26	-2.50	145	.0137	.0410	-.52	2	@461
4	1.39	.36	1	1.36	.28	.03	.46	.07	107	.9433	.8794	.43	2	@461
4	1.39	.36	2	.86	.27	.54	.45	1.18	116	.2385	.1996	-.01	2	@461
4	1.39	.36	3	.37	.25	1.02	.44	2.31	112	.0227	.1389	-.18	2	@461
4	1.39	.36	5	.77	.35	.62	.50	1.23	94	.2209	.1260	.74	2	@461
4	1.39	.36	7	1.02	.08	.37	.37	.98	76	.3297	.1151	.24	2	@461
5	.77	.35	1	1.36	.28	-.59	.45	-1.31	98	.1933	.5448	.41	2	@461
5	.77	.35	2	.86	.27	-.08	.44	-.19	106	.8482	.4519	-.42	2	@461
5	.77	.35	3	.37	.25	.40	.43	.93	101	.3525	.4401	-.10	2	@461
5	.77	.35	4	1.39	.36	-.62	.50	-1.23	94	.2209	.1260	-.74	2	@461
5	.77	.35	7	1.02	.08	-.25	.36	-.71	67	.4795	.4282	-.16	2	@461
7	1.02	.08	1	1.36	.28	-.33	.30	-1.13	102	.2615	.4061	.12	2	@461
7	1.02	.08	2	.86	.27	.17	.28	.60	146	.5462	.8794	.27	2	@461
7	1.02	.08	3	.37	.25	.65	.26	2.50	145	.0137	.0410	.52	2	@461
7	1.02	.08	4	1.39	.36	-.37	.37	-.98	76	.3297	.1151	-.24	2	@461
7	1.02	.08	5	.77	.35	.25	.36	.71	67	.4795	.4282	.16	2	@461
1	1.94	.30	2	1.62	.31	.33	.43	.76	146	.4503	.0231	-1.52	3	@462
1	1.94	.30	3	2.41	.39	-.47	.49	-.95	144	.3456	.0739	-.	3	@462
1	1.94	.30	4	1.39	.35	.56	.46	1.20	109	.2319	.6375	-.89	3	@462
1	1.94	.30	5	3.36	.51	-1.42	.59	-2.41	89	.0180	.0170	.69	3	@462
1	1.94	.30	7	2.09	.10	-.15	.31	-.48	107	.6347	.3599	-1.08	3	@462
2	1.62	.31	1	1.94	.30	-.33	.43	-.76	146	.4503	.0231	1.52	3	@462

2	1.62	.31	3	2.41	.39	-.80	.50	-1.58	166	.1166	.1741	-1.39	3	@462
2	1.62	.31	4	1.39	.35	.23	.47	.48	124	.6299	.2399	.70	3	@462
2	1.62	.31	5	3.36	.51	-1.75	.60	-2.92	96	.0043	.3275	-.41	3	@462
2	1.62	.31	7	2.09	.10	-.48	.33	-1.45	146	.1491	.9567	-.77	3	@462
3	2.41	.39	1	1.94	.30	.47	.49	.95	144	.3456	.0739	+.	3	@462
3	2.41	.39	2	1.62	.31	.80	.50	1.58	166	.1166	.1741	1.39	3	@462
3	2.41	.39	4	1.39	.35	1.02	.53	1.93	129	.0556	.1572	.11	3	@462
3	2.41	.39	5	3.36	.51	-.95	.64	-1.48	105	.1419	.6076	1.95	3	@462
3	2.41	.39	7	2.09	.10	.32	.41	.78	127	.4342	.1437	-.15	3	@462
4	1.39	.35	1	1.94	.30	-.56	.46	-1.20	109	.2319	.6375	.89	3	@462
4	1.39	.35	2	1.62	.31	-.23	.47	-.48	124	.6299	.2399	-.70	3	@462
4	1.39	.35	3	2.41	.39	-1.02	.53	-1.93	129	.0556	.1572	-.11	3	@462
4	1.39	.35	5	3.36	.51	-1.98	.62	-3.19	89	.0020	.0605	-.	3	@462
4	1.39	.35	7	2.09	.10	-.71	.37	-1.92	82	.0583	.2743	-.97	3	@462
5	3.36	.51	1	1.94	.30	1.42	.59	2.41	89	.0180	.0170	-.69	3	@462
5	3.36	.51	2	1.62	.31	1.75	.60	2.92	96	.0043	.3275	.41	3	@462
5	3.36	.51	3	2.41	.39	.95	.64	1.48	105	.1419	.6076	-1.95	3	@462
5	3.36	.51	4	1.39	.35	1.98	.62	3.19	89	.0020	.0605	+.	3	@462
5	3.36	.51	7	2.09	.10	1.27	.52	2.46	62	.0169	.0910	-1.08	3	@462
7	2.09	.10	1	1.94	.30	.15	.31	.48	107	.6347	.3599	1.08	3	@462
7	2.09	.10	2	1.62	.31	.48	.33	1.45	146	.1491	.9567	.77	3	@462
7	2.09	.10	3	2.41	.39	-.32	.41	-.78	127	.4342	.1437	.15	3	@462
7	2.09	.10	4	1.39	.35	.71	.37	1.92	82	.0583	.2743	.97	3	@462
7	2.09	.10	5	3.36	.51	-1.27	.52	-2.46	62	.0169	.0910	1.08	3	@462
1	1.28	.28	2	1.16	.28	.12	.40	.29	144	.7706	.5119	-.99	4	@470
1	1.28	.28	3	1.05	.27	.22	.39	.57	141	.5715	.9571	.06	4	@470
1	1.28	.28	4	.79	.33	.49	.43	1.12	109	.2638	.7773	-.52	4	@470
1	1.28	.28	5	1.66	.37	-.38	.47	-.82	96	.4162	.3992	-.06	4	@470
1	1.28	.28	7	1.45	.09	-.17	.30	-.59	104	.5588	.4158	-.27	4	@470
2	1.16	.28	1	1.28	.28	-.12	.40	-.29	144	.7706	.5119	.99	4	@470
2	1.16	.28	3	1.05	.27	.11	.40	.27	169	.7884	.9492	-.31	4	@470
2	1.16	.28	4	.79	.33	.37	.43	.85	123	.3973	.6027	.77	4	@470
2	1.16	.28	5	1.66	.37	-.50	.47	-1.06	105	.2895	.5517	.56	4	@470
2	1.16	.28	7	1.45	.09	-.29	.30	-.98	145	.3304	.7306	-.41	4	@470
3	1.05	.27	1	1.28	.28	-.22	.39	-.57	141	.5715	.9571	-.06	4	@470
3	1.05	.27	2	1.16	.28	-.11	.40	-.27	169	.7884	.9492	.31	4	@470
3	1.05	.27	4	.79	.33	.26	.43	.61	120	.5407	.5215	1.09	4	@470
3	1.05	.27	5	1.66	.37	-.61	.46	-1.31	103	.1936	.1130	.14	4	@470
3	1.05	.27	7	1.45	.09	-.40	.29	-1.38	141	.1703	.6595	-.29	4	@470
4	.79	.33	1	1.28	.28	-.49	.43	-1.12	109	.2638	.7773	.52	4	@470
4	.79	.33	2	1.16	.28	-.37	.43	-.85	123	.3973	.6027	-.77	4	@470
4	.79	.33	3	1.05	.27	-.26	.43	-.61	120	.5407	.5215	-1.09	4	@470
4	.79	.33	5	1.66	.37	-.87	.50	-1.75	93	.0833	.4601	-.	4	@470
4	.79	.33	7	1.45	.09	-.66	.34	-1.95	80	.0550	.1917	-1.10	4	@470
5	1.66	.37	1	1.28	.28	.38	.47	.82	96	.4162	.3992	.06	4	@470
5	1.66	.37	2	1.16	.28	.50	.47	1.06	105	.2895	.5517	-.56	4	@470
5	1.66	.37	3	1.05	.27	.61	.46	1.31	103	.1936	.1130	-.14	4	@470
5	1.66	.37	4	.79	.33	.87	.50	1.75	93	.0833	.4601	+.	4	@470
5	1.66	.37	7	1.45	.09	.21	.38	.55	66	.5872	.5098	-.15	4	@470
7	1.45	.09	1	1.28	.28	.17	.30	.59	104	.5588	.4158	.27	4	@470
7	1.45	.09	2	1.16	.28	.29	.30	.98	145	.3304	.7306	.41	4	@470
7	1.45	.09	3	1.05	.27	.40	.29	1.38	141	.1703	.6595	.29	4	@470
7	1.45	.09	4	.79	.33	.66	.34	1.95	80	.0550	.1917	1.10	4	@470
7	1.45	.09	5	1.66	.37	-.21	.38	-.55	66	.5872	.5098	.15	4	@470
1	-.97	.37	2	-.29	.23	-.68	.43	-1.57	128	.1184	.3915	-1.39	5	@472
1	-.97	.37	3	-.04	.24	-.93	.44	-2.11	128	.0364	.1954	.48	5	@472
1	-.97	.37	4	-.21	.31	-.76	.48	-1.59	112	.1136	.4339	-.76	5	@472
1	-.97	.37	5	-.32	.36	-.65	.51	-1.27	103	.2052	.1947	-.	5	@472
1	-.97	.37	7	-.74	.09	-.23	.38	-.61	96	.5405	.7093	.49	5	@472
2	-.29	.23	1	-.97	.37	.68	.43	1.57	128	.1184	.3915	1.39	5	@472
2	-.29	.23	3	-.04	.24	-.24	.34	-.73	169	.4665	.3193	-.01	5	@472
2	-.29	.23	4	-.21	.31	-.08	.39	-.21	117	.8319	.8197	.05	5	@472
2	-.29	.23	5	-.32	.36	.03	.43	.07	98	.9445	.6231	.91	5	@472
2	-.29	.23	7	-.74	.09	.45	.25	1.80	165	.0737	.2232	.59	5	@472
3	-.04	.24	1	-.97	.37	.93	.44	2.11	128	.0364	.1954	-.48	5	@472
3	-.04	.24	2	-.29	.23	.24	.34	.73	169	.4665	.3193	.01	5	@472
3	-.04	.24	4	-.21	.31	.16	.39	.41	117	.6798	.9846	.17	5	@472
3	-.04	.24	5	-.32	.36	.27	.43	.64	99	.5256	.3902	.33	5	@472
3	-.04	.24	7	-.74	.09	.69	.26	2.69	154	.0079	.0391	.41	5	@472
4	-.21	.31	1	-.97	.37	.76	.48	1.59	112	.1136	.4339	.76	5	@472
4	-.21	.31	2	-.29	.23	.08	.39	.21	117	.8319	.8197	-.05	5	@472
4	-.21	.31	3	-.04	.24	-.16	.39	-.41	117	.6798	.9846	-.17	5	@472
4	-.21	.31	5	-.32	.36	.11	.47	.24	93	.8129	.8629	.79	5	@472
4	-.21	.31	7	-.74	.09	.53	.32	1.65	84	.1026	.1664	.37	5	@472
5	-.32	.36	1	-.97	.37	.65	.51	1.27	103	.2052	.1947	+.	5	@472
5	-.32	.36	2	-.29	.23	-.03	.43	-.07	98	.9445	.6231	-.91	5	@472

5	-.32	.36	3	-.04	.24	-.27	.43	-.64	99	.5256	.3902	-.33	5	@472
5	-.32	.36	4	-.21	.31	-.11	.47	-.24	93	.8129	.8629	-.79	5	@472
5	-.32	.36	7	-.74	.09	.42	.37	1.14	69	.2582	.3242	.54	5	@472
7	-.74	.09	1	-.97	.37	.23	.38	.61	96	.5405	.7093	-.49	5	@472
7	-.74	.09	2	-.29	.23	-.45	.25	-1.80	165	.0737	.2232	-.59	5	@472
7	-.74	.09	3	-.04	.24	-.69	.26	-2.69	154	.0079	.0391	-.41	5	@472
7	-.74	.09	4	-.21	.31	-.53	.32	-1.65	84	.1026	.1664	-.37	5	@472
7	-.74	.09	5	-.32	.36	-.42	.37	-1.14	69	.2582	.3242	-.54	5	@472
1	.47	.29	2	.58	.25	-.12	.39	-.30	141	.7660	.2734	.80	6	@474
1	.47	.29	3	.31	.25	.16	.38	.41	137	.6850	.2183	.87	6	@474
1	.47	.29	4	.58	.32	-.11	.43	-.26	110	.7978	.9370	-.24	6	@474
1	.47	.29	5	.53	.34	-.06	.45	-.14	99	.8862	.9845	1.07	6	@474
1	.47	.29	7	.41	.08	.06	.30	.20	100	.8404	.5902	.45	6	@474
2	.58	.25	1	.47	.29	.12	.39	.30	141	.7660	.2734	-.80	6	@474
2	.58	.25	3	.31	.25	.27	.35	.76	169	.4471	.5090	.35	6	@474
2	.58	.25	4	.58	.32	.00	.41	.01	119	.9926	.8071	-.24	6	@474
2	.58	.25	5	.53	.34	.05	.43	.12	104	.9064	.6327	.01	6	@474
2	.58	.25	7	.41	.08	.18	.27	.66	149	.5104	.9295	-.05	6	@474
3	.31	.25	1	.47	.29	-.16	.38	-.41	137	.6850	.2183	-.87	6	@474
3	.31	.25	2	.58	.25	-.27	.35	-.76	169	.4471	.5090	-.35	6	@474
3	.31	.25	4	.58	.32	-.27	.41	-.66	117	.5127	.8564	-.40	6	@474
3	.31	.25	5	.53	.34	-.22	.42	-.52	101	.6054	.6457	.26	6	@474
3	.31	.25	7	.41	.08	-.09	.26	-.36	144	.7177	.4827	-.39	6	@474
4	.58	.32	1	.47	.29	.11	.43	.26	110	.7978	.9370	.24	6	@474
4	.58	.32	2	.58	.25	.00	.41	-.01	119	.9926	.8071	.24	6	@474
4	.58	.32	3	.31	.25	.27	.41	.66	117	.5127	.8564	.40	6	@474
4	.58	.32	5	.53	.34	.05	.47	.10	93	.9214	.4685	-.34	6	@474
4	.58	.32	7	.41	.08	.17	.33	.52	79	.6050	.6974	.22	6	@474
5	.53	.34	1	.47	.29	.06	.45	.14	99	.8862	.9845	-1.07	6	@474
5	.53	.34	2	.58	.25	-.05	.43	-.12	104	.9064	.6327	-.01	6	@474
5	.53	.34	3	.31	.25	.22	.42	.52	101	.6054	.6457	-.26	6	@474
5	.53	.34	4	.58	.32	-.05	.47	-.10	93	.9214	.4685	.34	6	@474
5	.53	.34	7	.41	.08	.13	.35	.35	66	.7239	.7114	.31	6	@474
7	.41	.08	1	.47	.29	-.06	.30	-.20	100	.8404	.5902	-.45	6	@474
7	.41	.08	2	.58	.25	-.18	.27	-.66	149	.5104	.9295	.05	6	@474
7	.41	.08	3	.31	.25	.09	.26	.36	144	.7177	.4827	.39	6	@474
7	.41	.08	4	.58	.32	-.17	.33	-.52	79	.6050	.6974	-.22	6	@474
7	.41	.08	5	.53	.34	-.13	.35	-.35	66	.7239	.7114	-.31	6	@474
1	-.84	.36	2	-.94	.23	.10	.43	.23	130	.8196	.9091	-.62	7	@481
1	-.84	.36	3	-1.44	.26	.60	.44	1.36	133	.1759	.4690	.36	7	@481
1	-.84	.36	4	-.59	.31	-.25	.47	-.52	112	.6039	.5431	-.48	7	@481
1	-.84	.36	5	-.58	.37	-.26	.51	-.51	102	.6145	.8028	-.20	7	@481
1	-.84	.36	7	-.60	.09	-.24	.37	-.65	96	.5201	.9889	-.10	7	@481
2	-.94	.23	1	-.84	.36	-.10	.43	-.23	130	.8196	.9091	.62	7	@481
2	-.94	.23	3	-1.44	.26	.51	.35	1.44	168	.1531	.0439	.34	7	@481
2	-.94	.23	4	-.59	.31	-.34	.39	-.88	117	.3797	.8018	-.55	7	@481
2	-.94	.23	5	-.58	.37	-.36	.44	-.82	98	.4151	.9452	-.09	7	@481
2	-.94	.23	7	-.60	.09	-.34	.25	-1.34	162	.1832	.9148	-.03	7	@481
3	-1.44	.26	1	-.84	.36	-.60	.44	-1.36	133	.1759	.4690	-.36	7	@481
3	-1.44	.26	2	-.94	.23	-.51	.35	-1.44	168	.1531	.0439	-.34	7	@481
3	-1.44	.26	4	-.59	.31	-.85	.41	-2.08	120	.0396	.0273	-1.54	7	@481
3	-1.44	.26	5	-.58	.37	-.86	.45	-1.91	102	.0589	.2585	-.82	7	@481
3	-1.44	.26	7	-.60	.09	-.84	.28	-3.03	146	.0029	.0181	-.55	7	@481
4	-.59	.31	1	-.84	.36	.25	.47	.52	112	.6039	.5431	.48	7	@481
4	-.59	.31	2	-.94	.23	.34	.39	.88	117	.3797	.8018	.55	7	@481
4	-.59	.31	3	-1.44	.26	.85	.41	2.08	120	.0396	.0273	1.54	7	@481
4	-.59	.31	5	-.58	.37	-.01	.48	-.02	92	.9808	.5113	-.07	7	@481
4	-.59	.31	7	-.60	.09	.01	.32	.03	83	.9771	.7703	.51	7	@481
5	-.58	.37	1	-.84	.36	.26	.51	.51	102	.6145	.8028	.20	7	@481
5	-.58	.37	2	-.94	.23	.36	.44	.82	98	.4151	.9452	.09	7	@481
5	-.58	.37	3	-1.44	.26	.86	.45	1.91	102	.0589	.2585	.82	7	@481
5	-.58	.37	4	-.59	.31	.01	.48	.02	92	.9808	.5113	.07	7	@481
5	-.58	.37	7	-.60	.09	.02	.38	.06	67	.9558	.7340	.18	7	@481
7	-.60	.09	1	-.84	.36	.24	.37	.65	96	.5201	.9889	.10	7	@481
7	-.60	.09	2	-.94	.23	.34	.25	1.34	162	.1832	.9148	.03	7	@481
7	-.60	.09	3	-1.44	.26	.84	.28	3.03	146	.0029	.0181	.55	7	@481
7	-.60	.09	4	-.59	.31	-.01	.32	-.03	83	.9771	.7703	-.51	7	@481
7	-.60	.09	5	-.58	.37	-.02	.38	-.06	67	.9558	.7340	-.18	7	@481
1	-1.11	.38	2	-1.33	.24	.23	.45	.50	129	.6178	.2594	.21	8	@482
1	-1.11	.38	3	-1.31	.26	.20	.46	.43	130	.6710	.4385	.00	8	@482
1	-1.11	.38	4	-1.10	.33	-.01	.50	-.02	112	.9836	.9229	-.53	8	@482
1	-1.11	.38	5	-1.69	.44	.58	.58	1.00	99	.3206	.1770	.00	8	@482
1	-1.11	.38	7	-1.26	.10	.15	.39	.38	98	.7026	.7158	.78	8	@482
2	-1.33	.24	1	-1.11	.38	-.23	.45	-.50	129	.6178	.2594	-.21	8	@482
2	-1.33	.24	3	-1.31	.26	-.03	.36	-.08	169	.9336	.8879	-.03	8	@482
2	-1.33	.24	4	-1.10	.33	-.24	.41	-.58	117	.5643	.7987	-.24	8	@482

2	-1.33	.24	5	-1.69	.44	.36	.51	.71	91	.4826	.8708	-.49	8	@482
2	-1.33	.24	7	-1.26	.10	-.08	.26	-.28	170	.7763	.9668	.12	8	@482
3	-1.31	.26	1	-1.11	.38	-.20	.46	-.43	130	.6710	.4385	.00	8	@482
3	-1.31	.26	2	-1.33	.24	.03	.36	.08	169	.9336	.8879	.03	8	@482
3	-1.31	.26	4	-1.10	.33	-.21	.42	-.49	118	.6226	.6070	-.36	8	@482
3	-1.31	.26	5	-1.69	.44	.39	.51	.75	93	.4539	.6029	-.94	8	@482
3	-1.31	.26	7	-1.26	.10	-.05	.28	-.16	157	.8708	.7857	.28	8	@482
4	-1.10	.33	1	-1.11	.38	.01	.50	.02	112	.9836	.9229	.53	8	@482
4	-1.10	.33	2	-1.33	.24	.24	.41	.58	117	.5643	.7987	.24	8	@482
4	-1.10	.33	3	-1.31	.26	.21	.42	.49	118	.6226	.6070	.36	8	@482
4	-1.10	.33	5	-1.69	.44	.59	.55	1.08	90	.2847	.9952	-.35	8	@482
4	-1.10	.33	7	-1.26	.10	.16	.34	.47	86	.6400	.7043	.38	8	@482
5	-1.69	.44	1	-1.11	.38	-.58	.58	-1.00	99	.3206	.1770	.00	8	@482
5	-1.69	.44	2	-1.33	.24	-.36	.51	-.71	91	.4826	.8708	.49	8	@482
5	-1.69	.44	3	-1.31	.26	-.39	.51	-.75	93	.4539	.6029	.94	8	@482
5	-1.69	.44	4	-1.10	.33	-.59	.55	-1.08	90	.2847	.9952	.35	8	@482
5	-1.69	.44	7	-1.26	.10	-.43	.45	-.95	66	.3455	.3001	-.05	8	@482
7	-1.26	.10	1	-1.11	.38	-.15	.39	-.38	98	.7026	.7158	-.78	8	@482
7	-1.26	.10	2	-1.33	.24	.08	.26	.28	170	.7763	.9668	-.12	8	@482
7	-1.26	.10	3	-1.31	.26	.05	.28	.16	157	.8708	.7857	-.28	8	@482
7	-1.26	.10	4	-1.10	.33	-.16	.34	-.47	86	.6400	.7043	-.38	8	@482
7	-1.26	.10	5	-1.69	.44	.43	.45	.95	66	.3455	.3001	.05	8	@482
1	1.52	.28	2	1.24	.28	.28	.40	.69	144	.4888	.0798	.29	9	@483
1	1.52	.28	3	1.21	.28	.31	.40	.77	141	.4404	.4798	.00	9	@483
1	1.52	.28	4	2.43	.48	-.91	.56	-1.61	100	.1099	.0056	-1.10	9	@483
1	1.52	.28	5	1.95	.39	-.43	.48	-.89	95	.3759	.0751	-.24	9	@483
1	1.52	.28	7	2.37	.10	-.85	.30	-2.80	113	.0060	.0012	-.92	9	@483
2	1.24	.28	1	1.52	.28	-.28	.40	-.69	144	.4888	.0798	-.29	9	@483
2	1.24	.28	3	1.21	.28	.03	.40	.08	169	.9394	.5099	.34	9	@483
2	1.24	.28	4	2.43	.48	-1.19	.56	-2.11	106	.0371	.1358	-.31	9	@483
2	1.24	.28	5	1.95	.39	-.71	.48	-1.47	103	.1444	.6749	.98	9	@483
2	1.24	.28	7	2.37	.10	-1.13	.30	-3.74	158	.0003	.3240	-.86	9	@483
3	1.21	.28	1	1.52	.28	-.31	.40	-.77	141	.4404	.4798	.00	9	@483
3	1.21	.28	2	1.24	.28	-.03	.40	-.08	169	.9394	.5099	-.34	9	@483
3	1.21	.28	4	2.43	.48	-1.22	.56	-2.17	105	.0321	.0795	.41	9	@483
3	1.21	.28	5	1.95	.39	-.74	.48	-1.54	102	.1267	.4407	1.61	9	@483
3	1.21	.28	7	2.37	.10	-1.16	.30	-3.88	152	.0002	.0940	-.87	9	@483
4	2.43	.48	1	1.52	.28	.91	.56	1.61	100	.1099	.0056	1.10	9	@483
4	2.43	.48	2	1.24	.28	1.19	.56	2.11	106	.0371	.1358	.31	9	@483
4	2.43	.48	3	1.21	.28	1.22	.56	2.17	105	.0321	.0795	-.41	9	@483
4	2.43	.48	5	1.95	.39	.48	.62	.77	94	.4434	.3231	1.79	9	@483
4	2.43	.48	7	2.37	.10	.06	.50	.12	74	.9042	.1201	-.74	9	@483
5	1.95	.39	1	1.52	.28	.43	.48	.89	95	.3759	.0751	.24	9	@483
5	1.95	.39	2	1.24	.28	.71	.48	1.47	103	.1444	.6749	-.98	9	@483
5	1.95	.39	3	1.21	.28	.74	.48	1.54	102	.1267	.4407	-1.61	9	@483
5	1.95	.39	4	2.43	.48	-.48	.62	-.77	94	.4434	.3231	-1.79	9	@483
5	1.95	.39	7	2.37	.10	-.42	.40	-1.04	69	.3014	.5702	-.78	9	@483
7	2.37	.10	1	1.52	.28	.85	.30	2.80	113	.0060	.0012	.92	9	@483
7	2.37	.10	2	1.24	.28	1.13	.30	3.74	158	.0003	.3240	.86	9	@483
7	2.37	.10	3	1.21	.28	1.16	.30	3.88	152	.0002	.0940	.87	9	@483
7	2.37	.10	4	2.43	.48	-.06	.50	-.12	74	.9042	.1201	.74	9	@483
7	2.37	.10	5	1.95	.39	.42	.40	1.04	69	.3014	.5702	.78	9	@483
1	1.60	.29	2	.52	.25	1.08	.38	2.85	140	.0051	.1874	-.69	10	@484
1	1.60	.29	3	.76	.26	.84	.39	2.15	139	.0329	.5379	.04	10	@484
1	1.60	.29	4	.68	.32	.92	.43	2.11	110	.0367	.5067	-.56	10	@484
1	1.60	.29	5	1.01	.35	.59	.45	1.30	98	.1970	.2501	.05	10	@484
1	1.60	.29	7	1.15	.08	.45	.30	1.50	102	.1371	.5653	.00	10	@484
2	.52	.25	1	1.60	.29	-1.08	.38	-2.85	140	.0051	.1874	.69	10	@484
2	.52	.25	3	.76	.26	-.25	.36	-.68	169	.4966	.2521	-.04	10	@484
2	.52	.25	4	.68	.32	-.17	.41	-.41	118	.6861	.8776	.94	10	@484
2	.52	.25	5	1.01	.35	-.50	.43	-1.15	102	.2521	.5880	.92	10	@484
2	.52	.25	7	1.15	.08	-.64	.26	-2.42	152	.0169	.9131	.15	10	@484
3	.76	.26	1	1.60	.29	-.84	.39	-2.15	139	.0329	.5379	-.04	10	@484
3	.76	.26	2	.52	.25	.25	.36	.68	169	.4966	.2521	.04	10	@484
3	.76	.26	4	.68	.32	.08	.42	.19	118	.8477	.3258	.12	10	@484
3	.76	.26	5	1.01	.35	-.25	.44	-.57	103	.5702	.7419	-.88	10	@484
3	.76	.26	7	1.15	.08	-.39	.27	-1.42	142	.1585	.6398	-.05	10	@484
4	.68	.32	1	1.60	.29	-.92	.43	-2.11	110	.0367	.5067	.56	10	@484
4	.68	.32	2	.52	.25	.17	.41	.41	118	.6861	.8776	-.94	10	@484
4	.68	.32	3	.76	.26	-.08	.42	-.19	118	.8477	.3258	-.12	10	@484
4	.68	.32	5	1.01	.35	-.33	.48	-.69	93	.4924	.8861	-.19	10	@484
4	.68	.32	7	1.15	.08	-.47	.34	-1.40	79	.1657	.9936	.05	10	@484
5	1.01	.35	1	1.60	.29	-.59	.45	-1.30	98	.1970	.2501	-.05	10	@484
5	1.01	.35	2	.52	.25	.50	.43	1.15	102	.2521	.5880	-.92	10	@484
5	1.01	.35	3	.76	.26	.25	.44	.57	103	.5702	.7419	.88	10	@484
5	1.01	.35	4	.68	.32	.33	.48	.69	93	.4924	.8861	.19	10	@484

5	1.01	.35	7	1.15	.08	-.14	.36	-.39	67	.6982	.8023	-.34	10	@484
7	1.15	.08	1	1.60	.29	-.45	.30	-1.50	102	.1371	.5653	.00	10	@484
7	1.15	.08	2	.52	.25	.64	.26	2.42	152	.0169	.9131	-.15	10	@484
7	1.15	.08	3	.76	.26	.39	.27	1.42	142	.1585	.6398	.05	10	@484
7	1.15	.08	4	.68	.32	.47	.34	1.40	79	.1657	.9936	-.05	10	@484
7	1.15	.08	5	1.01	.35	.14	.36	.39	67	.6982	.8023	.34	10	@484
1	-.48	.33	2	-.01	.24	-.47	.41	-1.15	133	.2525	.2669	-.04	11	@490
1	-.48	.33	3	.01	.24	-.50	.41	-1.21	132	.2287	.6193	.11	11	@490
1	-.48	.33	4	.08	.31	-.56	.46	-1.24	112	.2175	.3486	.64	11	@490
1	-.48	.33	5	-.45	.36	-.04	.49	-.07	101	.9432	.9399	-.69	11	@490
1	-.48	.33	7	-.31	.09	-.17	.34	-.49	97	.6237	.9796	.47	11	@490
2	-.01	.24	1	-.48	.33	.47	.41	1.15	133	.2525	.2669	.04	11	@490
2	-.01	.24	3	.01	.24	-.03	.34	-.08	169	.9337	.8803	.20	11	@490
2	-.01	.24	4	.08	.31	-.10	.39	-.24	118	.8073	.6106	.60	11	@490
2	-.01	.24	5	-.45	.36	.43	.43	1.00	99	.3177	.5689	.55	11	@490
2	-.01	.24	7	-.31	.09	.30	.25	1.19	158	.2347	.3158	.41	11	@490
3	.01	.24	1	-.48	.33	.50	.41	1.21	132	.2287	.6193	-.11	11	@490
3	.01	.24	2	-.01	.24	.03	.34	.08	169	.9337	.8803	-.20	11	@490
3	.01	.24	4	.08	.31	-.07	.39	-.17	117	.8647	.7094	.21	11	@490
3	.01	.24	5	-.45	.36	.46	.43	1.06	99	.2907	.9462	.09	11	@490
3	.01	.24	7	-.31	.09	.33	.26	1.28	149	.2028	.3636	.13	11	@490
4	.08	.31	1	-.48	.33	.56	.46	1.24	112	.2175	.3486	-.64	11	@490
4	.08	.31	2	-.01	.24	.10	.39	.24	118	.8073	.6106	-.60	11	@490
4	.08	.31	3	.01	.24	.07	.39	.17	117	.8647	.7094	-.21	11	@490
4	.08	.31	5	-.45	.36	.53	.48	1.11	92	.2698	.2600	.23	11	@490
4	.08	.31	7	-.31	.09	.40	.32	1.23	82	.2235	.1035	.09	11	@490
5	-.45	.36	1	-.48	.33	.04	.49	.07	101	.9432	.9399	.69	11	@490
5	-.45	.36	2	-.01	.24	-.43	.43	-1.00	99	.3177	.5689	-.55	11	@490
5	-.45	.36	3	.01	.24	-.46	.43	-1.06	99	.2907	.9462	-.09	11	@490
5	-.45	.36	4	.08	.31	-.53	.48	-1.11	92	.2698	.2600	-.23	11	@490
5	-.45	.36	7	-.31	.09	-.13	.37	-.36	66	.7198	.9231	.06	11	@490
7	-.31	.09	1	-.48	.33	.17	.34	.49	97	.6237	.9796	-.47	11	@490
7	-.31	.09	2	-.01	.24	-.30	.25	-1.19	158	.2347	.3158	-.41	11	@490
7	-.31	.09	3	.01	.24	-.33	.26	-1.28	149	.2028	.3636	-.13	11	@490
7	-.31	.09	4	.08	.31	-.40	.32	-1.23	82	.2235	.1035	-.09	11	@490
7	-.31	.09	5	-.45	.36	.13	.37	.36	66	.7198	.9231	-.06	11	@490
1	-1.26	.39	2	-.56	.23	-.70	.45	-1.55	126	.1240	.1591	-.	12	@496
1	-1.26	.39	3	-.86	.25	-.40	.46	-.86	127	.3887	.2385	-.	12	@496
1	-1.26	.39	4	-.40	.31	-.86	.50	-1.73	112	.0864	.3006	-.	12	@496
1	-1.26	.39	5	-1.01	.39	-.25	.55	-.46	102	.6476	.7034	-.	12	@496
1	-1.26	.39	7	-.76	.09	-.50	.40	-1.25	94	.2142	.2479	.81	12	@496
2	-.56	.23	1	-1.26	.39	.70	.45	1.55	126	.1240	.1591	+.	12	@496
2	-.56	.23	3	-.86	.25	.30	.34	.90	169	.3718	.3513	.50	12	@496
2	-.56	.23	4	-.40	.31	-.16	.39	-.41	117	.6808	.9604	.17	12	@496
2	-.56	.23	5	-1.01	.39	.45	.45	.99	95	.3238	.4206	.36	12	@496
2	-.56	.23	7	-.76	.09	.20	.25	.81	166	.4200	.8397	.16	12	@496
3	-.86	.25	1	-1.26	.39	.40	.46	.86	127	.3887	.2385	+.	12	@496
3	-.86	.25	2	-.56	.23	-.30	.34	-.90	169	.3718	.3513	-.50	12	@496
3	-.86	.25	4	-.40	.31	-.46	.40	-1.17	118	.2453	.3702	-.49	12	@496
3	-.86	.25	5	-1.01	.39	.15	.46	.32	96	.7518	.4607	.34	12	@496
3	-.86	.25	7	-.76	.09	-.10	.26	-.39	153	.7002	.3827	-.14	12	@496
4	-.40	.31	1	-1.26	.39	.86	.50	1.73	112	.0864	.3006	+.	12	@496
4	-.40	.31	2	-.56	.23	.16	.39	.41	117	.6808	.9604	-.17	12	@496
4	-.40	.31	3	-.86	.25	.46	.40	1.17	118	.2453	.3702	.49	12	@496
4	-.40	.31	5	-1.01	.39	.61	.50	1.22	91	.2243	.6426	.23	12	@496
4	-.40	.31	7	-.76	.09	.36	.32	1.12	84	.2674	.3997	.39	12	@496
5	-1.01	.39	1	-1.26	.39	.25	.55	.46	102	.6476	.7034	+.	12	@496
5	-1.01	.39	2	-.56	.23	-.45	.45	-.99	95	.3238	.4206	-.36	12	@496
5	-1.01	.39	3	-.86	.25	-.15	.46	-.32	96	.7518	.4607	-.34	12	@496
5	-1.01	.39	4	-.40	.31	-.61	.50	-1.22	91	.2243	.6426	-.23	12	@496
5	-1.01	.39	7	-.76	.09	-.25	.40	-.62	66	.5378	.4290	.03	12	@496
7	-.76	.09	1	-1.26	.39	.50	.40	1.25	94	.2142	.2479	-.81	12	@496
7	-.76	.09	2	-.56	.23	-.20	.25	-.81	166	.4200	.8397	-.16	12	@496
7	-.76	.09	3	-.86	.25	.10	.26	.39	153	.7002	.3827	.14	12	@496
7	-.76	.09	4	-.40	.31	-.36	.32	-1.12	84	.2674	.3997	-.39	12	@496
7	-.76	.09	5	-1.01	.39	.25	.40	.62	66	.5378	.4290	-.03	12	@496
1	-1.26	.39	2	-.72	.23	-.54	.46	-1.18	125	.2389	.9204	1.79	13	@501
1	-1.26	.39	3	-1.44	.27	.18	.47	.39	129	.6971	.3273	.68	13	@501
1	-1.26	.39	4	-1.32	.34	.06	.52	.12	112	.9071	.6214	.69	13	@501
1	-1.26	.39	5	-1.90	.46	.64	.60	1.06	99	.2907	.4397	.00	13	@501
1	-1.26	.39	7	-1.04	.10	-.22	.40	-.55	95	.5846	.7927	.50	13	@501
2	-.72	.23	1	-1.26	.39	.54	.46	1.18	125	.2389	.9204	-1.79	13	@501
2	-.72	.23	3	-1.44	.27	.72	.35	2.05	168	.0414	.0638	.86	13	@501
2	-.72	.23	4	-1.32	.34	.60	.41	1.47	113	.1449	.2991	.19	13	@501
2	-.72	.23	5	-1.90	.46	1.18	.51	2.30	88	.0238	.0584	-.30	13	@501
2	-.72	.23	7	-1.04	.10	.32	.25	1.26	171	.2080	.3469	.41	13	@501

3	-1.44	.27	1	-1.26	.39	-.18	.47	-.39	129	.6971	.3273	-.68	13	@501
3	-1.44	.27	2	-.72	.23	-.72	.35	-2.05	168	.0414	.0638	-.86	13	@501
3	-1.44	.27	4	-1.32	.34	-.12	.43	-.29	118	.7722	.8651	-.37	13	@501
3	-1.44	.27	5	-1.90	.46	.45	.53	.86	93	.3913	.3944	-.76	13	@501
3	-1.44	.27	7	-1.04	.10	-.41	.28	-1.44	152	.1519	.0793	-.56	13	@501
4	-1.32	.34	1	-1.26	.39	-.06	.52	-.12	112	.9071	.6214	-.69	13	@501
4	-1.32	.34	2	-.72	.23	-.60	.41	-1.47	113	.1449	.2991	-.19	13	@501
4	-1.32	.34	3	-1.44	.27	.12	.43	.29	118	.7722	.8651	.37	13	@501
4	-1.32	.34	5	-1.90	.46	.58	.57	1.02	90	.3100	.7129	-1.07	13	@501
4	-1.32	.34	7	-1.04	.10	-.28	.35	-.81	84	.4225	.3570	-.07	13	@501
5	-1.90	.46	1	-1.26	.39	-.64	.60	-1.06	99	.2907	.4397	.00	13	@501
5	-1.90	.46	2	-.72	.23	-1.18	.51	-2.30	88	.0238	.0584	.30	13	@501
5	-1.90	.46	3	-1.44	.27	-.45	.53	-.86	93	.3913	.3944	.76	13	@501
5	-1.90	.46	4	-1.32	.34	-.58	.57	-1.02	90	.3100	.7129	1.07	13	@501
5	-1.90	.46	7	-1.04	.10	-.86	.47	-1.84	64	.0698	.0463	.20	13	@501
7	-1.04	.10	1	-1.26	.39	.22	.40	.55	95	.5846	.7927	-.50	13	@501
7	-1.04	.10	2	-.72	.23	-.32	.25	-1.26	171	.2080	.3469	-.41	13	@501
7	-1.04	.10	3	-1.44	.27	.41	.28	1.44	152	.1519	.0793	.56	13	@501
7	-1.04	.10	4	-1.32	.34	.28	.35	.81	84	.4225	.3570	.07	13	@501
7	-1.04	.10	5	-1.90	.46	.86	.47	1.84	64	.0698	.0463	-.20	13	@501
1	.80	.28	2	.78	.26	.01	.39	.03	142	.9726	.4609	.42	14	@505
1	.80	.28	3	1.29	.29	-.50	.41	-1.22	142	.2237	.4014	-.86	14	@505
1	.80	.28	4	1.39	.36	-.59	.46	-1.28	107	.2029	.5055	-.48	14	@505
1	.80	.28	5	1.14	.35	-.34	.45	-.75	98	.4563	.1845	-.78	14	@505
1	.80	.28	7	1.08	.08	-.29	.30	-.96	102	.3373	.4970	-.42	14	@505
2	.78	.26	1	.80	.28	-.01	.39	-.03	142	.9726	.4609	-.42	14	@505
2	.78	.26	3	1.29	.29	-.51	.39	-1.30	169	.1947	.0745	-.46	14	@505
2	.78	.26	4	1.39	.36	-.61	.45	-1.35	115	.1805	.0945	-.37	14	@505
2	.78	.26	5	1.14	.35	-.35	.44	-.80	104	.4253	.5326	.61	14	@505
2	.78	.26	7	1.08	.08	-.30	.28	-1.08	148	.2802	.2656	-.52	14	@505
3	1.29	.29	1	.80	.28	.50	.41	1.22	142	.2237	.4014	.86	14	@505
3	1.29	.29	2	.78	.26	.51	.39	1.30	169	.1947	.0745	.46	14	@505
3	1.29	.29	4	1.39	.36	-.10	.47	-.21	118	.8370	.9488	.60	14	@505
3	1.29	.29	5	1.14	.35	.16	.46	.35	107	.7307	.7541	.43	14	@505
3	1.29	.29	7	1.08	.08	.21	.30	.70	135	.4853	.6448	-.53	14	@505
4	1.39	.36	1	.80	.28	.59	.46	1.28	107	.2029	.5055	.48	14	@505
4	1.39	.36	2	.78	.26	.61	.45	1.35	115	.1805	.0945	.37	14	@505
4	1.39	.36	3	1.29	.29	.10	.47	.21	118	.8370	.9488	-.60	14	@505
4	1.39	.36	5	1.14	.35	.25	.51	.50	94	.6183	.7955	-.05	14	@505
4	1.39	.36	7	1.08	.08	.31	.37	.82	76	.4140	.5153	-.12	14	@505
5	1.14	.35	1	.80	.28	.34	.45	.75	98	.4563	.1845	.78	14	@505
5	1.14	.35	2	.78	.26	.35	.44	.80	104	.4253	.5326	-.61	14	@505
5	1.14	.35	3	1.29	.29	-.16	.46	-.35	107	.7307	.7541	-.43	14	@505
5	1.14	.35	4	1.39	.36	-.25	.51	-.50	94	.6183	.7955	.05	14	@505
5	1.14	.35	7	1.08	.08	.05	.36	.15	66	.8831	.8299	-.29	14	@505
7	1.08	.08	1	.80	.28	.29	.30	.96	102	.3373	.4970	.42	14	@505
7	1.08	.08	2	.78	.26	.30	.28	1.08	148	.2802	.2656	.52	14	@505
7	1.08	.08	3	1.29	.29	-.21	.30	-.70	135	.4853	.6448	.53	14	@505
7	1.08	.08	4	1.39	.36	-.31	.37	-.82	76	.4140	.5153	.12	14	@505
7	1.08	.08	5	1.14	.35	-.05	.36	-.15	66	.8831	.8299	.29	14	@505
1	-1.26	.39	2	-.50	.23	-.75	.45	-1.67	126	.0981	.5173	.00	15	@514
1	-1.26	.39	3	-.86	.25	-.40	.46	-.86	127	.3888	.4837	-.	15	@514
1	-1.26	.39	4	-.40	.31	-.86	.50	-1.73	112	.0864	.4073	-.	15	@514
1	-1.26	.39	5	-.45	.36	-.81	.53	-1.53	104	.1297	.4581	.00	15	@514
1	-1.26	.39	7	-.82	.09	-.43	.40	-1.09	94	.2786	.3648	-.31	15	@514
2	-.50	.23	1	-1.26	.39	.75	.45	1.67	126	.0981	.5173	.00	15	@514
2	-.50	.23	3	-.86	.25	.36	.34	1.05	169	.2933	.2148	.68	15	@514
2	-.50	.23	4	-.40	.31	-.11	.39	-.27	117	.7846	.5589	.43	15	@514
2	-.50	.23	5	-.45	.36	-.06	.43	-.13	98	.8955	.4992	-.67	15	@514
2	-.50	.23	7	-.82	.09	.32	.25	1.28	167	.2033	.8495	-.17	15	@514
3	-.86	.25	1	-1.26	.39	.40	.46	.86	127	.3888	.4837	+.	15	@514
3	-.86	.25	2	-.50	.23	-.36	.34	-1.05	169	.2933	.2148	-.68	15	@514
3	-.86	.25	4	-.40	.31	-.46	.40	-1.17	118	.2453	.1539	-.40	15	@514
3	-.86	.25	5	-.45	.36	-.41	.44	-.94	99	.3473	.1597	-1.47	15	@514
3	-.86	.25	7	-.82	.09	-.04	.26	-.14	154	.8864	.2951	-.41	15	@514
4	-.40	.31	1	-1.26	.39	.86	.50	1.73	112	.0864	.4073	+.	15	@514
4	-.40	.31	2	-.50	.23	.11	.39	.27	117	.7846	.5589	-.43	15	@514
4	-.40	.31	3	-.86	.25	.46	.40	1.17	118	.2453	.1539	.40	15	@514
4	-.40	.31	5	-.45	.36	.05	.48	.10	92	.9174	.3096	.00	15	@514
4	-.40	.31	7	-.82	.09	.42	.32	1.31	85	.1931	.7009	.25	15	@514
5	-.45	.36	1	-1.26	.39	.81	.53	1.53	104	.1297	.4581	.00	15	@514
5	-.45	.36	2	-.50	.23	.06	.43	.13	98	.8955	.4992	.67	15	@514
5	-.45	.36	3	-.86	.25	.41	.44	.94	99	.3473	.1597	1.47	15	@514
5	-.45	.36	4	-.40	.31	-.05	.48	-.10	92	.9174	.3096	.00	15	@514
5	-.45	.36	7	-.82	.09	.37	.37	1.01	69	.3179	.3756	.71	15	@514
7	-.82	.09	1	-1.26	.39	.43	.40	1.09	94	.2786	.3648	.31	15	@514

7	-.82	.09	2	-.50	.23	-.32	.25	-1.28	167	.2033	.8495	.17	15	@514
7	-.82	.09	3	-.86	.25	.04	.26	.14	154	.8864	.2951	.41	15	@514
7	-.82	.09	4	-.40	.31	-.42	.32	-1.31	85	.1931	.7009	-.25	15	@514
7	-.82	.09	5	-.45	.36	-.37	.37	-1.01	69	.3179	.3756	-.71	15	@514
1	.64	.29	2	.58	.25	.05	.38	.13	141	.8932	.5216	.28	16	@516
1	.64	.29	3	.63	.26	.00	.39	.01	139	.9897	.6052	.69	16	@516
1	.64	.29	4	.18	.31	.46	.42	1.08	110	.2837	.5537	.48	16	@516
1	.64	.29	5	1.26	.36	-.63	.46	-1.37	98	.1730	.1015	-.59	16	@516
1	.64	.29	7	.83	.08	-.20	.30	-.66	101	.5111	.7691	.31	16	@516
2	.58	.25	1	.64	.29	-.05	.38	-.13	141	.8932	.5216	-.28	16	@516
2	.58	.25	3	.63	.26	-.05	.36	-.13	169	.8976	.9394	.24	16	@516
2	.58	.25	4	.18	.31	.40	.40	1.01	120	.3164	.2827	.42	16	@516
2	.58	.25	5	1.26	.36	-.68	.44	-1.55	102	.1237	.5095	.05	16	@516
2	.58	.25	7	.83	.08	-.25	.27	-.93	149	.3540	.9550	-.06	16	@516
3	.63	.26	1	.64	.29	.00	.39	-.01	139	.9897	.6052	-.69	16	@516
3	.63	.26	2	.58	.25	.05	.36	.13	169	.8976	.9394	-.24	16	@516
3	.63	.26	4	.18	.31	.45	.40	1.12	119	.2660	.2705	-.09	16	@516
3	.63	.26	5	1.26	.36	-.63	.44	-1.44	102	.1526	.3147	-.26	16	@516
3	.63	.26	7	.83	.08	-.20	.27	-.75	142	.4553	.7860	-.42	16	@516
4	.18	.31	1	.64	.29	-.46	.42	-1.08	110	.2837	.5537	-.48	16	@516
4	.18	.31	2	.58	.25	-.40	.40	-1.01	120	.3164	.2827	-.42	16	@516
4	.18	.31	3	.63	.26	-.45	.40	-1.12	119	.2660	.2705	.09	16	@516
4	.18	.31	5	1.26	.36	-1.08	.47	-2.29	93	.0242	.0620	-.61	16	@516
4	.18	.31	7	.83	.08	-.65	.32	-2.03	80	.0459	.1817	-.16	16	@516
5	1.26	.36	1	.64	.29	.63	.46	1.37	98	.1730	.1015	.59	16	@516
5	1.26	.36	2	.58	.25	.68	.44	1.55	102	.1237	.5095	-.05	16	@516
5	1.26	.36	3	.63	.26	.63	.44	1.44	102	.1526	.3147	.26	16	@516
5	1.26	.36	4	.18	.31	1.08	.47	2.29	93	.0242	.0620	.61	16	@516
5	1.26	.36	7	.83	.08	.43	.37	1.18	66	.2421	.1838	.29	16	@516
7	.83	.08	1	.64	.29	.20	.30	.66	101	.5111	.7691	-.31	16	@516
7	.83	.08	2	.58	.25	.25	.27	.93	149	.3540	.9550	.06	16	@516
7	.83	.08	3	.63	.26	.20	.27	.75	142	.4553	.7860	.42	16	@516
7	.83	.08	4	.18	.31	.65	.32	2.03	80	.0459	.1817	.16	16	@516
7	.83	.08	5	1.26	.36	-.43	.37	-1.18	66	.2421	.1838	-.29	16	@516
1	1.04	.28	2	.65	.26	.39	.38	1.02	142	.3095	.9964	.47	17	@517
1	1.04	.28	3	1.21	.28	-.17	.40	-.43	142	.6664	.9889	.69	17	@517
1	1.04	.28	4	.48	.32	.56	.43	1.32	110	.1896	.4341	-.10	17	@517
1	1.04	.28	5	.53	.34	.51	.45	1.13	98	.2593	.1387	-.21	17	@517
1	1.04	.28	7	.84	.08	.20	.29	.67	102	.5030	.4541	.28	17	@517
2	.65	.26	1	1.04	.28	-.39	.38	-1.02	142	.3095	.9964	-.47	17	@517
2	.65	.26	3	1.21	.28	-.56	.38	-1.47	169	.1439	.3118	-1.09	17	@517
2	.65	.26	4	.48	.32	.17	.41	.42	120	.6748	.5387	-.74	17	@517
2	.65	.26	5	.53	.34	.12	.43	.27	104	.7878	.8108	-.42	17	@517
2	.65	.26	7	.84	.08	-.19	.27	-.71	148	.4775	.3044	-.67	17	@517
3	1.21	.28	1	1.04	.28	.17	.40	.43	142	.6664	.9889	-.69	17	@517
3	1.21	.28	2	.65	.26	.56	.38	1.47	169	.1439	.3118	1.09	17	@517
3	1.21	.28	4	.48	.32	.73	.43	1.72	122	.0876	.1242	.52	17	@517
3	1.21	.28	5	.53	.34	.68	.45	1.52	107	.1317	.1817	.38	17	@517
3	1.21	.28	7	.84	.08	.37	.30	1.25	136	.2119	.4639	.15	17	@517
4	.48	.32	1	1.04	.28	-.56	.43	-1.32	110	.1896	.4341	.10	17	@517
4	.48	.32	2	.65	.26	-.17	.41	-.42	120	.6748	.5387	.74	17	@517
4	.48	.32	3	1.21	.28	-.73	.43	-1.72	122	.0876	.1242	-.52	17	@517
4	.48	.32	5	.53	.34	-.06	.47	-.12	93	.9053	.5306	-.72	17	@517
4	.48	.32	7	.84	.08	-.36	.33	-1.11	79	.2711	.1817	-.41	17	@517
5	.53	.34	1	1.04	.28	-.51	.45	-1.13	98	.2593	.1387	.21	17	@517
5	.53	.34	2	.65	.26	-.12	.43	-.27	104	.7878	.8108	.42	17	@517
5	.53	.34	3	1.21	.28	-.68	.45	-1.52	107	.1317	.1817	-.38	17	@517
5	.53	.34	4	.48	.32	.06	.47	.12	93	.9053	.5306	.72	17	@517
5	.53	.34	7	.84	.08	-.31	.35	-.87	66	.3876	.3494	.13	17	@517
7	.84	.08	1	1.04	.28	-.20	.29	-.67	102	.5030	.4541	-.28	17	@517
7	.84	.08	2	.65	.26	.19	.27	.71	148	.4775	.3044	.67	17	@517
7	.84	.08	3	1.21	.28	-.37	.30	-1.25	136	.2119	.4639	-.15	17	@517
7	.84	.08	4	.48	.32	.36	.33	1.11	79	.2711	.1817	.41	17	@517
7	.84	.08	5	.53	.34	.31	.35	.87	66	.3876	.3494	-.13	17	@517
1	1.60	.29	2	1.16	.28	.44	.40	1.09	144	.2755	.9761	+.	18	@521
1	1.60	.29	3	1.05	.27	.55	.40	1.38	140	.1690	.7795	-2.48	18	@521
1	1.60	.29	4	.58	.32	1.02	.43	2.37	110	.0193	.2877	-.41	18	@521
1	1.60	.29	5	.89	.35	.71	.45	1.57	98	.1185	.7359	.60	18	@521
1	1.60	.29	7	1.70	.09	-.10	.30	-.33	105	.7405	.4230	-.28	18	@521
2	1.16	.28	1	1.60	.29	-.44	.40	-1.09	144	.2755	.9761	-.	18	@521
2	1.16	.28	3	1.05	.27	.11	.39	.27	169	.7867	.9655	.10	18	@521
2	1.16	.28	4	.58	.32	.58	.43	1.36	124	.1771	.0684	.70	18	@521
2	1.16	.28	5	.89	.35	.27	.45	.60	108	.5507	.7604	.63	18	@521
2	1.16	.28	7	1.70	.09	-.54	.30	-1.82	148	.0701	.3963	-.96	18	@521
3	1.05	.27	1	1.60	.29	-.55	.40	-1.38	140	.1690	.7795	2.48	18	@521
3	1.05	.27	2	1.16	.28	-.11	.39	-.27	169	.7867	.9655	-.10	18	@521

3	1.05	.27	4	.58	.32	.47	.42	1.13	120	.2626	.4965	.39	18	@521
3	1.05	.27	5	.89	.35	.16	.44	.37	105	.7154	.3210	1.00	18	@521
3	1.05	.27	7	1.70	.09	-.65	.29	-2.26	144	.0256	.1776	-.76	18	@521
4	.58	.32	1	1.60	.29	-1.02	.43	-2.37	110	.0193	.2877	.41	18	@521
4	.58	.32	2	1.16	.28	-.58	.43	-1.36	124	.1771	.0684	-.70	18	@521
4	.58	.32	3	1.05	.27	-.47	.42	-1.13	120	.2626	.4965	-.39	18	@521
4	.58	.32	5	.89	.35	-.31	.47	-.66	93	.5101	.8488	.56	18	@521
4	.58	.32	7	1.70	.09	-1.12	.33	-3.37	82	.0011	.0078	-1.35	18	@521
5	.89	.35	1	1.60	.29	-.71	.45	-1.57	98	.1185	.7359	-.60	18	@521
5	.89	.35	2	1.16	.28	-.27	.45	-.60	108	.5507	.7604	-.63	18	@521
5	.89	.35	3	1.05	.27	-.16	.44	-.37	105	.7154	.3210	-1.00	18	@521
5	.89	.35	4	.58	.32	.31	.47	.66	93	.5101	.8488	-.56	18	@521
5	.89	.35	7	1.70	.09	-.81	.36	-2.26	69	.0270	.0345	-1.03	18	@521
7	1.70	.09	1	1.60	.29	.10	.30	.33	105	.7405	.4230	.28	18	@521
7	1.70	.09	2	1.16	.28	.54	.30	1.82	148	.0701	.3963	.96	18	@521
7	1.70	.09	3	1.05	.27	.65	.29	2.26	144	.0256	.1776	.76	18	@521
7	1.70	.09	4	.58	.32	1.12	.33	3.37	82	.0011	.0078	1.35	18	@521
7	1.70	.09	5	.89	.35	.81	.36	2.26	69	.0270	.0345	1.03	18	@521
1	-1.11	.38	2	-.94	.23	-.17	.44	-.39	127	.6979	.7616	-.51	19	@534
1	-1.11	.38	3	-.92	.25	-.19	.45	-.42	128	.6772	.8761	-.69	19	@534
1	-1.11	.38	4	-1.68	.36	.57	.52	1.10	112	.2754	.7572	-.41	19	@534
1	-1.11	.38	5	-1.50	.43	.39	.57	.69	100	.4938	.3294	+.	19	@534
1	-1.11	.38	7	-1.50	.11	.40	.39	1.01	101	.3169	.2542	.25	19	@534
2	-.94	.23	1	-1.11	.38	.17	.44	.39	127	.6979	.7616	.51	19	@534
2	-.94	.23	3	-.92	.25	-.02	.34	-.05	169	.9641	.3334	-.32	19	@534
2	-.94	.23	4	-1.68	.36	.74	.43	1.74	111	.0848	.3551	.30	19	@534
2	-.94	.23	5	-1.50	.43	.56	.49	1.16	91	.2493	.4026	-.16	19	@534
2	-.94	.23	7	-1.50	.11	.57	.26	2.20	181	.0289	.5209	.24	19	@534
3	-.92	.25	1	-1.11	.38	.19	.45	.42	128	.6772	.8761	.69	19	@534
3	-.92	.25	2	-.94	.23	.02	.34	.05	169	.9641	.3334	.32	19	@534
3	-.92	.25	4	-1.68	.36	.76	.43	1.75	112	.0835	.0443	.41	19	@534
3	-.92	.25	5	-1.50	.43	.58	.49	1.18	93	.2425	.1836	.95	19	@534
3	-.92	.25	7	-1.50	.11	.58	.27	2.17	168	.0316	.1891	.53	19	@534
4	-1.68	.36	1	-1.11	.38	-.57	.52	-1.10	112	.2754	.7572	.41	19	@534
4	-1.68	.36	2	-.94	.23	-.74	.43	-1.74	111	.0848	.3551	-.30	19	@534
4	-1.68	.36	3	-.92	.25	-.76	.43	-1.75	112	.0835	.0443	-.41	19	@534
4	-1.68	.36	5	-1.50	.43	-.18	.56	-.32	92	.7488	.9975	-.	19	@534
4	-1.68	.36	7	-1.50	.11	-.17	.37	-.47	86	.6409	.1592	-.65	19	@534
5	-1.50	.43	1	-1.11	.38	-.39	.57	-.69	100	.4938	.3294	-.	19	@534
5	-1.50	.43	2	-.94	.23	-.56	.49	-1.16	91	.2493	.4026	.16	19	@534
5	-1.50	.43	3	-.92	.25	-.58	.49	-1.18	93	.2425	.1836	-.95	19	@534
5	-1.50	.43	4	-1.68	.36	.18	.56	.32	92	.7488	.9975	+.	19	@534
5	-1.50	.43	7	-1.50	.11	.00	.44	.01	68	.9929	.4814	.39	19	@534
7	-1.50	.11	1	-1.11	.38	-.40	.39	-1.01	101	.3169	.2542	-.25	19	@534
7	-1.50	.11	2	-.94	.23	-.57	.26	-2.20	181	.0289	.5209	-.24	19	@534
7	-1.50	.11	3	-.92	.25	-.58	.27	-2.17	168	.0316	.1891	-.53	19	@534
7	-1.50	.11	4	-1.68	.36	.17	.37	.47	86	.6409	.1592	.65	19	@534
7	-1.50	.11	5	-1.50	.43	.00	.44	-.01	68	.9929	.4814	-.39	19	@534
1	-.84	.36	2	-.56	.23	-.28	.43	-.66	129	.5103	.3179	-.71	20	@536
1	-.84	.36	3	-.22	.24	-.62	.43	-1.44	129	.1514	.6162	.69	20	@536
1	-.84	.36	4	-.40	.31	-.44	.47	-.93	112	.3535	.4291	-.31	20	@536
1	-.84	.36	5	-.19	.35	-.65	.50	-1.29	103	.2007	.6909	.69	20	@536
1	-.84	.36	7	-.85	.09	.01	.37	.03	97	.9790	.8586	.95	20	@536
2	-.56	.23	1	-.84	.36	.28	.43	.66	129	.5103	.3179	.71	20	@536
2	-.56	.23	3	-.22	.24	-.34	.33	-1.02	169	.3097	.5069	-.27	20	@536
2	-.56	.23	4	-.40	.31	-.16	.39	-.41	117	.6808	.5497	-.30	20	@536
2	-.56	.23	5	-.19	.35	-.37	.42	-.87	99	.3886	.6246	-.13	20	@536
2	-.56	.23	7	-.85	.09	.29	.25	1.16	167	.2457	.3994	.20	20	@536
3	-.22	.24	1	-.84	.36	.62	.43	1.44	129	.1514	.6162	-.69	20	@536
3	-.22	.24	2	-.56	.23	.34	.33	1.02	169	.3097	.5069	.27	20	@536
3	-.22	.24	4	-.40	.31	.18	.39	.46	117	.6465	.8970	-.08	20	@536
3	-.22	.24	5	-.19	.35	-.03	.43	-.06	99	.9522	.9220	.07	20	@536
3	-.22	.24	7	-.85	.09	.63	.26	2.45	156	.0154	.0330	.58	20	@536
4	-.40	.31	1	-.84	.36	.44	.47	.93	112	.3535	.4291	.31	20	@536
4	-.40	.31	2	-.56	.23	.16	.39	.41	117	.6808	.5497	.30	20	@536
4	-.40	.31	3	-.22	.24	-.18	.39	-.46	117	.6465	.8970	.08	20	@536
4	-.40	.31	5	-.19	.35	-.21	.47	-.44	93	.6621	.9610	1.79	20	@536
4	-.40	.31	7	-.85	.09	.45	.32	1.39	85	.1679	.1026	.73	20	@536
5	-.19	.35	1	-.84	.36	.65	.50	1.29	103	.2007	.6909	-.69	20	@536
5	-.19	.35	2	-.56	.23	.37	.42	.87	99	.3886	.6246	.13	20	@536
5	-.19	.35	3	-.22	.24	.03	.43	.06	99	.9522	.9220	-.07	20	@536
5	-.19	.35	4	-.40	.31	.21	.47	.44	93	.6621	.9610	-1.79	20	@536
5	-.19	.35	7	-.85	.09	.66	.36	1.80	69	.0766	.1094	.79	20	@536
7	-.85	.09	1	-.84	.36	-.01	.37	-.03	97	.9790	.8586	-.95	20	@536
7	-.85	.09	2	-.56	.23	-.29	.25	-1.16	167	.2457	.3994	-.20	20	@536
7	-.85	.09	3	-.22	.24	-.63	.26	-2.45	156	.0154	.0330	-.58	20	@536

7	-.85	.09	4	-.40	.31	-.45	.32	-1.39	85	.1679	.1026	-.73	20	@536
7	-.85	.09	5	-.19	.35	-.66	.36	-1.80	69	.0766	.1094	-.79	20	@536
1	-.06	.31	2	-.40	.23	.34	.39	.87	135	.3833	.7323	-.08	21	@562
1	-.06	.31	3	-.56	.24	.51	.39	1.29	134	.1999	.2239	.98	21	@562
1	-.06	.31	4	.08	.31	-.14	.44	-.32	111	.7517	.2248	.56	21	@562
1	-.06	.31	5	-.32	.36	.26	.47	.55	100	.5828	.2864	.57	21	@562
1	-.06	.31	7	.05	.08	-.11	.32	-.33	98	.7393	.7311	.53	21	@562
2	-.40	.23	1	-.06	.31	-.34	.39	-.87	135	.3833	.7323	.08	21	@562
2	-.40	.23	3	-.56	.24	.17	.33	.50	169	.6172	.6220	-.07	21	@562
2	-.40	.23	4	.08	.31	-.48	.39	-1.23	117	.2200	.1982	-.02	21	@562
2	-.40	.23	5	-.32	.36	-.08	.43	-.18	98	.8547	.7513	-.48	21	@562
2	-.40	.23	7	.05	.08	-.45	.25	-1.81	157	.0717	.3153	-.26	21	@562
3	-.56	.24	1	-.06	.31	-.51	.39	-1.29	134	.1999	.2239	-.98	21	@562
3	-.56	.24	2	-.40	.23	-.17	.33	-.50	169	.6172	.6220	.07	21	@562
3	-.56	.24	4	.08	.31	-.65	.39	-1.64	117	.1034	.2375	.09	21	@562
3	-.56	.24	5	-.32	.36	-.25	.43	-.57	99	.5698	.4606	-.85	21	@562
3	-.56	.24	7	.05	.08	-.61	.25	-2.41	147	.0173	.0211	-.41	21	@562
4	.08	.31	1	-.06	.31	.14	.44	.32	111	.7517	.2248	-.56	21	@562
4	.08	.31	2	-.40	.23	.48	.39	1.23	117	.2200	.1982	.02	21	@562
4	.08	.31	3	-.56	.24	.65	.39	1.64	117	.1034	.2375	-.09	21	@562
4	.08	.31	5	-.32	.36	.40	.47	.85	93	.4002	.1623	-.69	21	@562
4	.08	.31	7	.05	.08	.03	.32	.10	81	.9206	.7250	-.13	21	@562
5	-.32	.36	1	-.06	.31	-.26	.47	-.55	100	.5828	.2864	-.57	21	@562
5	-.32	.36	2	-.40	.23	.08	.43	.18	98	.8547	.7513	.48	21	@562
5	-.32	.36	3	-.56	.24	.25	.43	.57	99	.5698	.4606	.85	21	@562
5	-.32	.36	4	.08	.31	-.40	.47	-.85	93	.4002	.1623	.69	21	@562
5	-.32	.36	7	.05	.08	-.37	.37	-1.00	66	.3189	.3648	.13	21	@562
7	.05	.08	1	-.06	.31	.11	.32	.33	98	.7393	.7311	-.53	21	@562
7	.05	.08	2	-.40	.23	.45	.25	1.81	157	.0717	.3153	.26	21	@562
7	.05	.08	3	-.56	.24	.61	.25	2.41	147	.0173	.0211	.41	21	@562
7	.05	.08	4	.08	.31	-.03	.32	-.10	81	.9206	.7250	.13	21	@562
7	.05	.08	5	-.32	.36	.37	.37	1.00	66	.3189	.3648	-.13	21	@562
1	.21	.30	2	.65	.26	-.44	.39	-1.12	140	.2644	.3258	-.44	22	@575
1	.21	.30	3	.50	.25	-.29	.39	-.75	137	.4557	.3534	-.30	22	@575
1	.21	.30	4	.48	.32	-.27	.44	-.62	111	.5390	.5427	-.79	22	@575
1	.21	.30	5	.65	.35	-.44	.46	-.97	99	.3330	.9444	.00	22	@575
1	.21	.30	7	.04	.08	.16	.31	.53	100	.5960	.5331	-.01	22	@575
2	.65	.26	1	.21	.30	.44	.39	1.12	140	.2644	.3258	.44	22	@575
2	.65	.26	3	.50	.25	.15	.36	.41	169	.6799	.5513	-.21	22	@575
2	.65	.26	4	.48	.32	.17	.41	.42	120	.6749	.5708	.27	22	@575
2	.65	.26	5	.65	.35	.00	.43	-.01	104	.9943	.6991	-.28	22	@575
2	.65	.26	7	.04	.08	.61	.27	2.25	150	.0257	.0941	-.15	22	@575
3	.50	.25	1	.21	.30	.29	.39	.75	137	.4557	.3534	.30	22	@575
3	.50	.25	2	.65	.26	-.15	.36	-.41	169	.6799	.5513	.21	22	@575
3	.50	.25	4	.48	.32	.02	.41	.06	118	.9543	.9931	.48	22	@575
3	.50	.25	5	.65	.35	-.15	.43	-.35	102	.7235	.7870	.34	22	@575
3	.50	.25	7	.04	.08	.46	.27	1.72	144	.0867	.1688	.15	22	@575
4	.48	.32	1	.21	.30	.27	.44	.62	111	.5390	.5427	.79	22	@575
4	.48	.32	2	.65	.26	-.17	.41	-.42	120	.6749	.5708	-.27	22	@575
4	.48	.32	3	.50	.25	-.02	.41	-.06	118	.9543	.9931	-.48	22	@575
4	.48	.32	5	.65	.35	-.18	.47	-.37	93	.7103	.8659	-.43	22	@575
4	.48	.32	7	.04	.08	.43	.33	1.32	80	.1909	.3719	-.17	22	@575
5	.65	.35	1	.21	.30	.44	.46	.97	99	.3330	.9444	.00	22	@575
5	.65	.35	2	.65	.26	.00	.43	.01	104	.9943	.6991	.28	22	@575
5	.65	.35	3	.50	.25	.15	.43	.35	102	.7235	.7870	-.34	22	@575
5	.65	.35	4	.48	.32	.18	.47	.37	93	.7103	.8659	.43	22	@575
5	.65	.35	7	.04	.08	.61	.36	1.72	67	.0907	.1051	.36	22	@575
7	.04	.08	1	.21	.30	-.16	.31	-.53	100	.5960	.5331	.01	22	@575
7	.04	.08	2	.65	.26	-.61	.27	-2.25	150	.0257	.0941	.15	22	@575
7	.04	.08	3	.50	.25	-.46	.27	-1.72	144	.0867	.1688	-.15	22	@575
7	.04	.08	4	.48	.32	-.43	.33	-1.32	80	.1909	.3719	.17	22	@575
7	.04	.08	5	.65	.35	-.61	.36	-1.72	67	.0907	.1051	-.36	22	@575
1	.13	.30	2	.65	.26	-.52	.40	-1.31	139	.1936	.4369	-.29	23	@581
1	.13	.30	3	-.16	.24	.29	.39	.75	135	.4522	.6633	-1.03	23	@581
1	.13	.30	4	.08	.31	.05	.43	.11	111	.9092	.6600	.15	23	@581
1	.13	.30	5	-.45	.36	.58	.47	1.23	99	.2218	.4252	.00	23	@581
1	.13	.30	7	.13	.08	.00	.31	.00	99	1.000	.9591	.19	23	@581
2	.65	.26	1	.13	.30	.52	.40	1.31	139	.1936	.4369	.29	23	@581
2	.65	.26	3	-.16	.24	.81	.35	2.30	169	.0225	.0219	.61	23	@581
2	.65	.26	4	.08	.31	.57	.40	1.41	121	.1616	.2815	.56	23	@581
2	.65	.26	5	-.45	.36	1.10	.44	2.48	102	.0148	.0670	.78	23	@581
2	.65	.26	7	.13	.08	.52	.27	1.93	149	.0560	.1436	.28	23	@581
3	-.16	.24	1	.13	.30	-.29	.39	-.75	135	.4522	.6633	1.03	23	@581
3	-.16	.24	2	.65	.26	-.81	.35	-2.30	169	.0225	.0219	-.61	23	@581
3	-.16	.24	4	.08	.31	-.24	.39	-.62	117	.5397	.6377	-.10	23	@581
3	-.16	.24	5	-.45	.36	.29	.43	.66	98	.5087	.6593	.54	23	@581

3	-.16	.24	7	.13	.08	-.29	.25	-1.15	147	.2531	.2912	-.36	23	@581
4	.08	.31	1	.13	.30	-.05	.43	-.11	111	.9092	.6600	-.15	23	@581
4	.08	.31	2	.65	.26	-.57	.40	-1.41	121	.1616	.2815	-.56	23	@581
4	.08	.31	3	-.16	.24	.24	.39	.62	117	.5397	.6377	.10	23	@581
4	.08	.31	5	-.45	.36	.53	.48	1.11	92	.2694	.4533	-.03	23	@581
4	.08	.31	7	.13	.08	-.05	.32	-.15	80	.8778	.7028	-.32	23	@581
5	-.45	.36	1	.13	.30	-.58	.47	-1.23	99	.2218	.4252	.00	23	@581
5	-.45	.36	2	.65	.26	-1.10	.44	-2.48	102	.0148	.0670	-.78	23	@581
5	-.45	.36	3	-.16	.24	-.29	.43	-.66	98	.5087	.6593	-.54	23	@581
5	-.45	.36	4	.08	.31	-.53	.48	-1.11	92	.2694	.4533	.03	23	@581
5	-.45	.36	7	.13	.08	-.58	.37	-1.56	65	.1225	.1395	-.45	23	@581
7	.13	.08	1	.13	.30	.00	.31	.00	99	1.000	.9591	-.19	23	@581
7	.13	.08	2	.65	.26	-.52	.27	-1.93	149	.0560	.1436	-.28	23	@581
7	.13	.08	3	-.16	.24	.29	.25	1.15	147	.2531	.2912	.36	23	@581
7	.13	.08	4	.08	.31	.05	.32	.15	80	.8778	.7028	.32	23	@581
7	.13	.08	5	-.45	.36	.58	.37	1.56	65	.1225	.1395	.45	23	@581
1	-.60	.34	2	-.29	.23	-.31	.41	-.75	131	.4568	.8153	-.65	24	@727
1	-.60	.34	3	-.22	.24	-.38	.42	-.91	131	.3649	.9596	-.10	24	@727
1	-.60	.34	4	-.59	.31	.00	.46	-.01	112	.9929	.1996	-.56	24	@727
1	-.60	.34	5	-1.16	.40	.56	.52	1.08	99	.2826	.0848	1.10	24	@727
1	-.60	.34	7	-1.02	.10	.42	.35	1.20	101	.2343	.0836	1.00	24	@727
2	-.29	.23	1	-.60	.34	.31	.41	.75	131	.4568	.8153	.65	24	@727
2	-.29	.23	3	-.22	.24	-.07	.33	-.21	169	.8323	.8815	.39	24	@727
2	-.29	.23	4	-.59	.31	.30	.39	.78	117	.4383	.2177	-.16	24	@727
2	-.29	.23	5	-1.16	.40	.87	.46	1.89	94	.0615	.2181	+.	24	@727
2	-.29	.23	7	-1.02	.10	.73	.25	2.90	170	.0043	.0106	.52	24	@727
3	-.22	.24	1	-.60	.34	.38	.42	.91	131	.3649	.9596	.10	24	@727
3	-.22	.24	2	-.29	.23	.07	.33	.21	169	.8323	.8815	-.39	24	@727
3	-.22	.24	4	-.59	.31	.37	.39	.95	117	.3446	.3556	-.17	24	@727
3	-.22	.24	5	-1.16	.40	.94	.46	2.03	94	.0452	.1618	.53	24	@727
3	-.22	.24	7	-1.02	.10	.80	.26	3.09	159	.0023	.0055	.63	24	@727
4	-.59	.31	1	-.60	.34	.00	.46	.01	112	.9929	.1996	.56	24	@727
4	-.59	.31	2	-.29	.23	-.30	.39	-.78	117	.4383	.2177	.16	24	@727
4	-.59	.31	3	-.22	.24	-.37	.39	-.95	117	.3446	.3556	.17	24	@727
4	-.59	.31	5	-1.16	.40	.57	.51	1.13	91	.2635	.6109	.00	24	@727
4	-.59	.31	7	-1.02	.10	.43	.33	1.30	86	.1958	.6085	.84	24	@727
5	-1.16	.40	1	-.60	.34	-.56	.52	-1.08	99	.2826	.0848	-1.10	24	@727
5	-1.16	.40	2	-.29	.23	-.87	.46	-1.89	94	.0615	.2181	-.	24	@727
5	-1.16	.40	3	-.22	.24	-.94	.46	-2.03	94	.0452	.1618	-.53	24	@727
5	-1.16	.40	4	-.59	.31	-.57	.51	-1.13	91	.2635	.6109	.00	24	@727
5	-1.16	.40	7	-1.02	.10	-.14	.41	-.35	67	.7281	.8638	.91	24	@727
7	-1.02	.10	1	-.60	.34	-.42	.35	-1.20	101	.2343	.0836	-1.00	24	@727
7	-1.02	.10	2	-.29	.23	-.73	.25	-2.90	170	.0043	.0106	-.52	24	@727
7	-1.02	.10	3	-.22	.24	-.80	.26	-3.09	159	.0023	.0055	-.63	24	@727
7	-1.02	.10	4	-.59	.31	-.43	.33	-1.30	86	.1958	.6085	-.84	24	@727
7	-1.02	.10	5	-1.16	.40	.14	.41	.35	67	.7281	.8638	-.91	24	@727
1	-1.25	.39	2	-1.71	.26	.47	.47	.99	130	.3231	.1545	-.16	25	@728
1	-1.25	.39	3	-1.05	.25	-.20	.47	-.43	127	.6665	.5699	-.69	25	@728
1	-1.25	.39	4	-1.21	.33	-.04	.51	-.08	112	.9396	.2766	.08	25	@728
1	-1.25	.39	5	-1.33	.41	.08	.57	.14	102	.8900	.7071	+.	25	@728
1	-1.25	.39	7	-1.20	.10	-.05	.41	-.11	97	.9117	.9108	.35	25	@728
2	-1.71	.26	1	-1.25	.39	-.47	.47	-.99	130	.3231	.1545	.16	25	@728
2	-1.71	.26	3	-1.05	.25	-.67	.36	-1.86	169	.0652	.0710	-.87	25	@728
2	-1.71	.26	4	-1.21	.33	-.51	.42	-1.20	119	.2313	.5574	-.14	25	@728
2	-1.71	.26	5	-1.33	.41	-.39	.49	-.80	97	.4272	.3482	-.22	25	@728
2	-1.71	.26	7	-1.20	.10	-.51	.28	-1.85	164	.0666	.0108	-.51	25	@728
3	-1.05	.25	1	-1.25	.39	.20	.47	.43	127	.6665	.5699	.69	25	@728
3	-1.05	.25	2	-1.71	.26	.67	.36	1.86	169	.0652	.0710	.87	25	@728
3	-1.05	.25	4	-1.21	.33	.16	.42	.39	116	.6968	.9244	.53	25	@728
3	-1.05	.25	5	-1.33	.41	.28	.48	.58	95	.5623	.7017	.69	25	@728
3	-1.05	.25	7	-1.20	.10	.16	.27	.58	159	.5635	.7142	.20	25	@728
4	-1.21	.33	1	-1.25	.39	.04	.51	.08	112	.9396	.2766	-.08	25	@728
4	-1.21	.33	2	-1.71	.26	.51	.42	1.20	119	.2313	.5574	.14	25	@728
4	-1.21	.33	3	-1.05	.25	-.16	.42	-.39	116	.6968	.9244	-.53	25	@728
4	-1.21	.33	5	-1.33	.41	.12	.53	.22	91	.8239	.8698	.20	25	@728
4	-1.21	.33	7	-1.20	.10	-.01	.35	-.02	86	.9862	.6268	-.15	25	@728
5	-1.33	.41	1	-1.25	.39	-.08	.57	-.14	102	.8900	.7071	-.	25	@728
5	-1.33	.41	2	-1.71	.26	.39	.49	.80	97	.4272	.3482	.22	25	@728
5	-1.33	.41	3	-1.05	.25	-.28	.48	-.58	95	.5623	.7017	-.69	25	@728
5	-1.33	.41	4	-1.21	.33	-.12	.53	-.22	91	.8239	.8698	-.20	25	@728
5	-1.33	.41	7	-1.20	.10	-.12	.42	-.29	67	.7708	.5422	-.57	25	@728
7	-1.20	.10	1	-1.25	.39	.05	.41	.11	97	.9117	.9108	-.35	25	@728
7	-1.20	.10	2	-1.71	.26	.51	.28	1.85	164	.0666	.0108	.51	25	@728
7	-1.20	.10	3	-1.05	.25	-.16	.27	-.58	159	.5635	.7142	-.20	25	@728
7	-1.20	.10	4	-1.21	.33	.01	.35	.02	86	.9862	.6268	.15	25	@728
7	-1.20	.10	5	-1.33	.41	.12	.42	.29	67	.7708	.5422	.57	25	@728

1	.12	.30	2	.04	.24	.07	.38	.20	137	.8454	.6920	-1.04	26	@729
1	.12	.30	3	-.68	.24	.80	.39	2.07	136	.0408	.0081	.75	26	@729
1	.12	.30	4	-.49	.31	.61	.43	1.41	111	.1604	.2016	-.08	26	@729
1	.12	.30	5	-.33	.36	.44	.47	.95	99	.3458	.4334	-.24	26	@729
1	.12	.30	7	-.35	.09	.47	.31	1.49	101	.1384	.0508	.56	26	@729
2	.04	.24	1	.12	.30	-.07	.38	-.20	137	.8454	.6920	1.04	26	@729
2	.04	.24	3	-.68	.24	.72	.34	2.13	169	.0345	.0113	.64	26	@729
2	.04	.24	4	-.49	.31	.54	.39	1.37	118	.1727	.1656	.72	26	@729
2	.04	.24	5	-.33	.36	.37	.43	.86	99	.3936	.3527	.33	26	@729
2	.04	.24	7	-.35	.09	.39	.25	1.55	158	.1220	.3758	.34	26	@729
3	-.68	.24	1	.12	.30	-.80	.39	-2.07	136	.0408	.0081	-.75	26	@729
3	-.68	.24	2	.04	.24	-.72	.34	-2.13	169	.0345	.0113	-.64	26	@729
3	-.68	.24	4	-.49	.31	-.19	.39	-.47	117	.6368	.4131	-.06	26	@729
3	-.68	.24	5	-.33	.36	-.36	.43	-.82	99	.4116	.4908	.19	26	@729
3	-.68	.24	7	-.35	.09	-.33	.26	-1.29	149	.2003	.1686	-.25	26	@729
4	-.49	.31	1	.12	.30	-.61	.43	-1.41	111	.1604	.2016	.08	26	@729
4	-.49	.31	2	.04	.24	-.54	.39	-1.37	118	.1727	.1656	-.72	26	@729
4	-.49	.31	3	-.68	.24	.19	.39	.47	117	.6368	.4131	.06	26	@729
4	-.49	.31	5	-.33	.36	-.17	.47	-.36	93	.7215	.9663	-.13	26	@729
4	-.49	.31	7	-.35	.09	-.14	.32	-.45	82	.6561	.5772	-.07	26	@729
5	-.33	.36	1	.12	.30	-.44	.47	-.95	99	.3458	.4334	.24	26	@729
5	-.33	.36	2	.04	.24	-.37	.43	-.86	99	.3936	.3527	-.33	26	@729
5	-.33	.36	3	-.68	.24	.36	.43	.82	99	.4116	.4908	-.19	26	@729
5	-.33	.36	4	-.49	.31	.17	.47	.36	93	.7215	.9663	.13	26	@729
5	-.33	.36	7	-.35	.09	.03	.37	.07	67	.9456	.9974	.22	26	@729
7	-.35	.09	1	.12	.30	-.47	.31	-1.49	101	.1384	.0508	-.56	26	@729
7	-.35	.09	2	.04	.24	-.39	.25	-1.55	158	.1220	.3758	-.34	26	@729
7	-.35	.09	3	-.68	.24	.33	.26	1.29	149	.2003	.1686	.25	26	@729
7	-.35	.09	4	-.49	.31	.14	.32	.45	82	.6561	.5772	.07	26	@729
7	-.35	.09	5	-.33	.36	-.03	.37	-.07	67	.9456	.9974	-.22	26	@729
1	.03	.30	2	-1.46	.25	1.48	.39	3.81	138	.0002	.9358	.69	27	@730
1	.03	.30	3	-1.11	.25	1.14	.39	2.89	137	.0045	.6488	-1.50	27	@730
1	.03	.30	4	-1.10	.33	1.13	.44	2.54	110	.0126	.9322	.18	27	@730
1	.03	.30	5	-1.01	.39	1.03	.49	2.10	97	.0381	.3917	1.10	27	@730
1	.03	.30	7	-.66	.09	.68	.31	2.18	103	.0317	.4849	.79	27	@730
2	-1.46	.25	1	.03	.30	-1.48	.39	-3.81	138	.0002	.9358	-.69	27	@730
2	-1.46	.25	3	-1.11	.25	-.35	.35	-.98	169	.3268	.3850	-.28	27	@730
2	-1.46	.25	4	-1.10	.33	-.36	.41	-.87	117	.3855	.7429	.14	27	@730
2	-1.46	.25	5	-1.01	.39	-.45	.46	-.98	97	.3310	.7775	.06	27	@730
2	-1.46	.25	7	-.66	.09	-.80	.26	-3.04	159	.0028	.2609	-.02	27	@730
3	-1.11	.25	1	.03	.30	-1.14	.39	-2.89	137	.0045	.6488	1.50	27	@730
3	-1.11	.25	2	-1.46	.25	.35	.35	.98	169	.3268	.3850	.28	27	@730
3	-1.11	.25	4	-1.10	.33	-.01	.41	-.02	117	.9822	.4528	.66	27	@730
3	-1.11	.25	5	-1.01	.39	-.10	.46	-.22	97	.8256	.4388	-.16	27	@730
3	-1.11	.25	7	-.66	.09	-.45	.27	-1.69	150	.0940	.7018	.61	27	@730
4	-1.10	.33	1	.03	.30	-1.13	.44	-2.54	110	.0126	.9322	-.18	27	@730
4	-1.10	.33	2	-1.46	.25	.36	.41	.87	117	.3855	.7429	-.14	27	@730
4	-1.10	.33	3	-1.11	.25	.01	.41	.02	117	.9822	.4528	-.66	27	@730
4	-1.10	.33	5	-1.01	.39	-.09	.51	-.18	92	.8548	.5063	.15	27	@730
4	-1.10	.33	7	-.66	.09	-.44	.34	-1.31	82	.1951	.7938	.12	27	@730
5	-1.01	.39	1	.03	.30	-1.03	.49	-2.10	97	.0381	.3917	-1.10	27	@730
5	-1.01	.39	2	-1.46	.25	.45	.46	.98	97	.3310	.7775	-.06	27	@730
5	-1.01	.39	3	-1.11	.25	.10	.46	.22	97	.8256	.4388	.16	27	@730
5	-1.01	.39	4	-1.10	.33	.09	.51	.18	92	.8548	.5063	-.15	27	@730
5	-1.01	.39	7	-.66	.09	-.35	.40	-.88	66	.3842	.6555	.42	27	@730
7	-.66	.09	1	.03	.30	-.68	.31	-2.18	103	.0317	.4849	-.79	27	@730
7	-.66	.09	2	-1.46	.25	.80	.26	3.04	159	.0028	.2609	.02	27	@730
7	-.66	.09	3	-1.11	.25	.45	.27	1.69	150	.0940	.7018	-.61	27	@730
7	-.66	.09	4	-1.10	.33	.44	.34	1.31	82	.1951	.7938	-.12	27	@730
7	-.66	.09	5	-1.01	.39	.35	.40	.88	66	.3842	.6555	-.42	27	@730
1	-1.26	.39	2	-1.33	.24	.08	.46	.17	127	.8689	.2694	.69	28	@731
1	-1.26	.39	3	-.80	.24	-.46	.46	-.99	126	.3236	.3566	.29	28	@731
1	-1.26	.39	4	-1.21	.33	-.05	.51	-.10	112	.9210	.9813	-.41	28	@731
1	-1.26	.39	5	-.86	.38	-.40	.55	-.73	103	.4655	.9527	-.	28	@731
1	-1.26	.39	7	-1.11	.10	-.15	.40	-.36	96	.7171	.6535	.50	28	@731
2	-1.33	.24	1	-1.26	.39	-.08	.46	-.17	127	.8689	.2694	-.69	28	@731
2	-1.33	.24	3	-.80	.24	-.53	.35	-1.55	169	.1234	.1472	-.36	28	@731
2	-1.33	.24	4	-1.21	.33	-.13	.41	-.31	116	.7571	.7095	.07	28	@731
2	-1.33	.24	5	-.86	.38	-.48	.45	-1.06	98	.2935	.1729	-.87	28	@731
2	-1.33	.24	7	-1.11	.10	-.22	.26	-.85	168	.3965	.0291	-.59	28	@731
3	-.80	.24	1	-1.26	.39	.46	.46	.99	126	.3236	.3566	-.29	28	@731
3	-.80	.24	2	-1.33	.24	.53	.35	1.55	169	.1234	.1472	.36	28	@731
3	-.80	.24	4	-1.21	.33	.41	.41	.99	115	.3248	.6752	.31	28	@731
3	-.80	.24	5	-.86	.38	.06	.45	.13	97	.8975	.8196	-.56	28	@731
3	-.80	.24	7	-1.11	.10	.31	.26	1.18	160	.2396	.8826	.21	28	@731
4	-1.21	.33	1	-1.26	.39	.05	.51	.10	112	.9210	.9813	.41	28	@731

4	-1.21	.33	2	-1.33	.24	.13	.41	.31	116	.7571	.7095	-.07	28	@731
4	-1.21	.33	3	-.80	.24	-.41	.41	-.99	115	.3248	.6752	-.31	28	@731
4	-1.21	.33	5	-.86	.38	-.35	.50	-.69	93	.4903	.6308	-1.07	28	@731
4	-1.21	.33	7	-1.11	.10	-.10	.35	-.28	85	.7818	.2452	-.26	28	@731
5	-.86	.38	1	-1.26	.39	.40	.55	.73	103	.4655	.9527	+.	28	@731
5	-.86	.38	2	-1.33	.24	.48	.45	1.06	98	.2935	.1729	.87	28	@731
5	-.86	.38	3	-.80	.24	-.06	.45	-.13	97	.8975	.8196	.56	28	@731
5	-.86	.38	4	-1.21	.33	.35	.50	.69	93	.4903	.6308	1.07	28	@731
5	-.86	.38	7	-1.11	.10	.25	.39	.64	69	.5211	.5977	1.08	28	@731
7	-1.11	.10	1	-1.26	.39	.15	.40	.36	96	.7171	.6535	-.50	28	@731
7	-1.11	.10	2	-1.33	.24	.22	.26	.85	168	.3965	.0291	.59	28	@731
7	-1.11	.10	3	-.80	.24	-.31	.26	-1.18	160	.2396	.8826	-.21	28	@731
7	-1.11	.10	4	-1.21	.33	.10	.35	.28	85	.7818	.2452	.26	28	@731
7	-1.11	.10	5	-.86	.38	-.25	.39	-.64	69	.5211	.5977	-1.08	28	@731
1	-.73	.35	2	-.83	.23	.10	.42	.23	130	.8198	.1362	.80	29	@732
1	-.73	.35	3	-.04	.24	-.69	.42	-1.62	130	.1072	.8551	1.39	29	@732
1	-.73	.35	4	-.69	.31	-.04	.47	-.09	112	.9298	.0612	1.61	29	@732
1	-.73	.35	5	-.73	.37	.00	.51	.00	101	1.000	.2572	+.	29	@732
1	-.73	.35	7	-.82	.09	.09	.36	.25	98	.8007	.4632	.25	29	@732
2	-.83	.23	1	-.73	.35	-.10	.42	-.23	130	.8198	.1362	-.80	29	@732
2	-.83	.23	3	-.04	.24	-.78	.34	-2.33	169	.0208	.0045	-.91	29	@732
2	-.83	.23	4	-.69	.31	-.14	.39	-.35	116	.7268	.5120	-.61	29	@732
2	-.83	.23	5	-.73	.37	-.10	.44	-.22	97	.8283	.4592	-.28	29	@732
2	-.83	.23	7	-.82	.09	.00	.25	-.02	166	.9859	.1152	-.32	29	@732
3	-.04	.24	1	-.73	.35	.69	.42	1.62	130	.1072	.8551	-1.39	29	@732
3	-.04	.24	2	-.83	.23	.78	.34	2.33	169	.0208	.0045	.91	29	@732
3	-.04	.24	4	-.69	.31	.65	.40	1.63	117	.1059	.0476	.35	29	@732
3	-.04	.24	5	-.73	.37	.69	.44	1.55	97	.1249	.1343	.68	29	@732
3	-.04	.24	7	-.82	.09	.78	.26	3.01	156	.0030	.0327	.56	29	@732
4	-.69	.31	1	-.73	.35	.04	.47	.09	112	.9298	.0612	-1.61	29	@732
4	-.69	.31	2	-.83	.23	.14	.39	.35	116	.7268	.5120	.61	29	@732
4	-.69	.31	3	-.04	.24	-.65	.40	-1.63	117	.1059	.0476	-.35	29	@732
4	-.69	.31	5	-.73	.37	.04	.49	.08	92	.9325	.8087	.47	29	@732
4	-.69	.31	7	-.82	.09	.13	.33	.40	84	.6867	.4986	-.06	29	@732
5	-.73	.37	1	-.73	.35	.00	.51	.00	101	1.000	.2572	-.	29	@732
5	-.73	.37	2	-.83	.23	.10	.44	.22	97	.8283	.4592	.28	29	@732
5	-.73	.37	3	-.04	.24	-.69	.44	-1.55	97	.1249	.1343	-.68	29	@732
5	-.73	.37	4	-.69	.31	-.04	.49	-.08	92	.9325	.8087	-.47	29	@732
5	-.73	.37	7	-.82	.09	.09	.38	.24	68	.8130	.8242	.10	29	@732
7	-.82	.09	1	-.73	.35	-.09	.36	-.25	98	.8007	.4632	-.25	29	@732
7	-.82	.09	2	-.83	.23	.00	.25	.02	166	.9859	.1152	.32	29	@732
7	-.82	.09	3	-.04	.24	-.78	.26	-3.01	156	.0030	.0327	-.56	29	@732
7	-.82	.09	4	-.69	.31	-.13	.33	-.40	84	.6867	.4986	.06	29	@732
7	-.82	.09	5	-.73	.37	-.09	.38	-.24	68	.8130	.8242	-.10	29	@732
1	.12	.30	2	.04	.24	.07	.38	.19	137	.8459	.2576	.13	30	@733
1	.12	.30	3	-.04	.24	.16	.39	.42	135	.6771	.1002	.69	30	@733
1	.12	.30	4	.38	.32	-.26	.44	-.59	111	.5549	.5663	.98	30	@733
1	.12	.30	5	-.19	.35	.31	.47	.67	99	.5073	.2676	-1.10	30	@733
1	.12	.30	7	-.25	.08	.37	.31	1.17	100	.2457	.1106	.94	30	@733
2	.04	.24	1	.12	.30	-.07	.38	-.19	137	.8459	.2576	-.13	30	@733
2	.04	.24	3	-.04	.24	.09	.34	.26	169	.7988	.8255	-.11	30	@733
2	.04	.24	4	.38	.32	-.33	.40	-.84	117	.4005	.1915	-.40	30	@733
2	.04	.24	5	-.19	.35	.23	.43	.55	100	.5831	.8894	-.05	30	@733
2	.04	.24	7	-.25	.08	.29	.25	1.15	157	.2499	.8587	.24	30	@733
3	-.04	.24	1	.12	.30	-.16	.39	-.42	135	.6771	.1002	-.69	30	@733
3	-.04	.24	2	.04	.24	-.09	.34	-.26	169	.7988	.8255	.11	30	@733
3	-.04	.24	4	.38	.32	-.42	.40	-1.06	116	.2928	.2172	.16	30	@733
3	-.04	.24	5	-.19	.35	.15	.43	.35	99	.7301	.7588	.55	30	@733
3	-.04	.24	7	-.25	.08	.20	.26	.80	149	.4242	.9177	.27	30	@733
4	.38	.32	1	.12	.30	.26	.44	.59	111	.5549	.5663	-.98	30	@733
4	.38	.32	2	.04	.24	.33	.40	.84	117	.4005	.1915	.40	30	@733
4	.38	.32	3	-.04	.24	.42	.40	1.06	116	.2928	.2172	-.16	30	@733
4	.38	.32	5	-.19	.35	.57	.47	1.20	93	.2338	.4038	.00	30	@733
4	.38	.32	7	-.25	.08	.63	.33	1.91	81	.0596	.2287	.25	30	@733
5	-.19	.35	1	.12	.30	-.31	.47	-.67	99	.5073	.2676	1.10	30	@733
5	-.19	.35	2	.04	.24	-.23	.43	-.55	100	.5831	.8894	.05	30	@733
5	-.19	.35	3	-.04	.24	-.15	.43	-.35	99	.7301	.7588	-.55	30	@733
5	-.19	.35	4	.38	.32	-.57	.47	-1.20	93	.2338	.4038	.00	30	@733
5	-.19	.35	7	-.25	.08	.06	.36	.16	67	.8764	.8574	.75	30	@733
7	-.25	.08	1	.12	.30	-.37	.31	-1.17	100	.2457	.1106	-.94	30	@733
7	-.25	.08	2	.04	.24	-.29	.25	-1.15	157	.2499	.8587	-.24	30	@733
7	-.25	.08	3	-.04	.24	-.20	.26	-.80	149	.4242	.9177	-.27	30	@733
7	-.25	.08	4	.38	.32	-.63	.33	-1.91	81	.0596	.2287	-.25	30	@733
7	-.25	.08	5	-.19	.35	-.06	.36	-.16	67	.8764	.8574	-.75	30	@733

Size of Mantel-Haenszel slice: MHSLICE = .010 logits

Category 1 = Asian, Category 2 = Black, Non-Hispanic, Category 3 = Hispanic, Category 4 = American Indian or Alaskan Native, Category 5 = Multiracial, Category 6 = Pacific Islander (omitted due to a lack of cases), Category 7 = White, Non-Hispanic

TABLE 30.4 3rd_raw_demo_edit 3rd_all_items_distractor_out.txt Apr 9 7:29 2013
INPUT: 1082 PERSON 30 ITEM MEASURED: 1082 PERSON 30 ITEM 60 CATS WINSTEPS 3.69.1.14

DIF class specification is: DIF=@738 (Race/Ethnicity)

PERSON CLASSES	SUMMARY DIF CHI-SQUARE	D.F.	PROB.	ITEM Number	Name
6	5.6157	5	.3451	1	@460
6	9.5973	5	.0873	2	@461
6	12.7045	5	.0262	3	@462
6	6.4293	5	.2663	4	@470
6	12.3746	5	.0299	5	@472
6	.9801	5	.9641	6	@474
6	10.1756	5	.0702	7	@481
6	1.4484	5	.9189	8	@482
6	29.6437	5	.0000	9	@483
6	11.7874	5	.0377	10	@484
6	4.6160	5	.4642	11	@490
6	4.2539	5	.5132	12	@496
6	8.1829	5	.1462	13	@501
6	3.5095	5	.6217	14	@505
6	5.4885	5	.3589	15	@514
6	6.9177	5	.2265	16	@516
6	4.7718	5	.4441	17	@517
6	19.6827	5	.0014	18	@521
6	9.3978	5	.0940	19	@534
6	9.9109	5	.0776	20	@536
6	8.7895	5	.1175	21	@562
6	10.2974	5	.0671	22	@575
6	7.9162	5	.1607	23	@581
6	16.9601	5	.0046	24	@727
6	4.0768	5	.5381	25	@728
6	6.9459	5	.2244	26	@729
6	18.6738	5	.0022	27	@730
6	3.0850	5	.6867	28	@731
6	8.8397	5	.1154	29	@732
6	5.6598	5	.3404	30	@733

APPENDIX D

SELECTED WINSTEPS OUTPUT FOR 6th GRADE ITEM BANK

Appendix D

Selected Winsteps Output for 6th Grade Item Bank

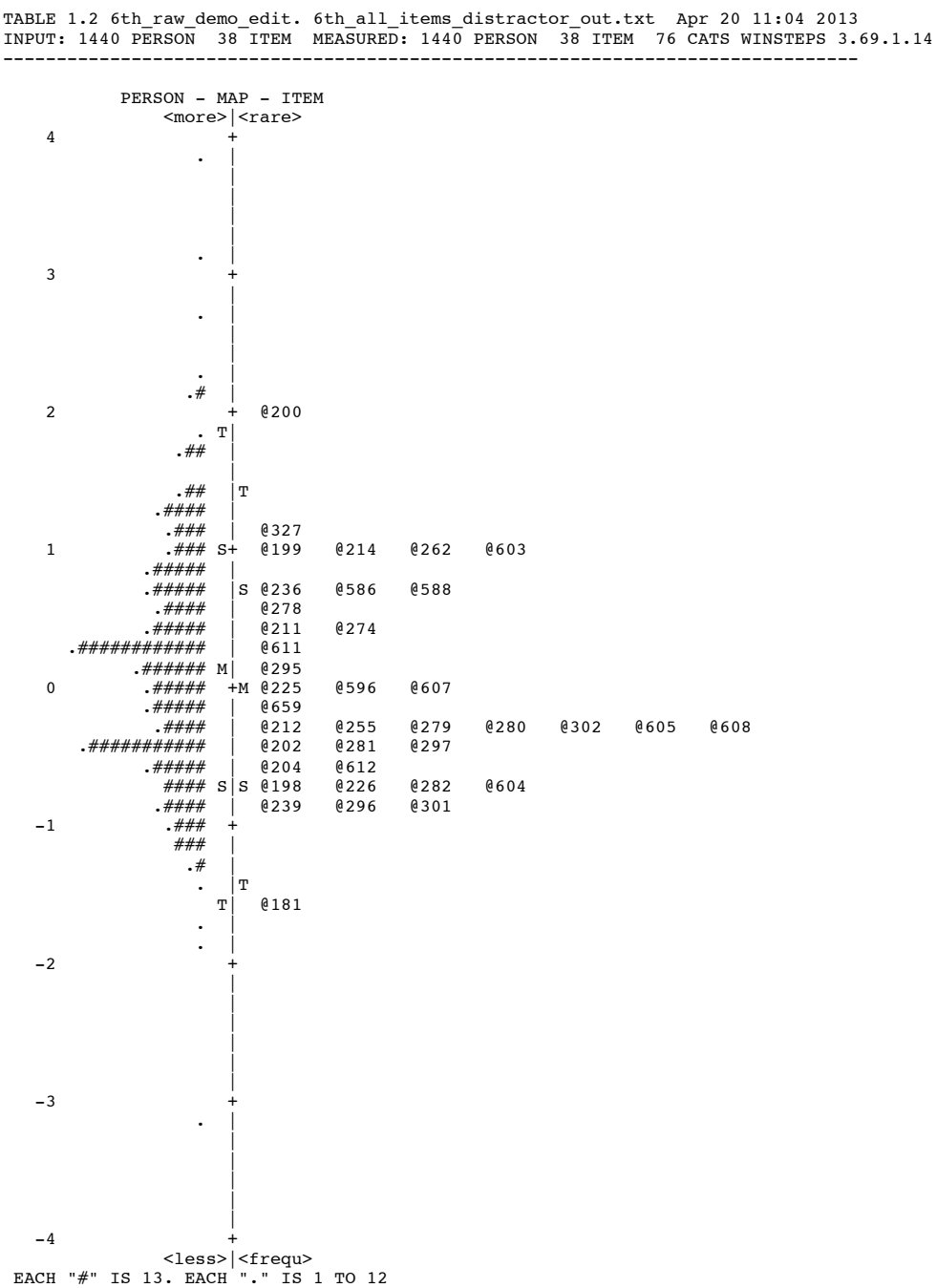


TABLE 13.1 6th_raw_demo_edit 6th_all_items_distractor_out.txt Apr 20 11:04 2013
INPUT: 1440 PERSON 38 ITEM MEASURED: 1440 PERSON 38 ITEM 76 CATS WINSTEPS 3.69.1.14

PERSON: REAL SEP.: 1.98 REL.: .80 ... ITEM: REAL SEP.: 12.19 REL.: .99

ITEM STATISTICS: MEASURE ORDER

ENTRY NUMBER	TOTAL SCORE	TOTAL COUNT	MEASURE	MODEL S.E.	INFIT MNSQ	INFIT ZSTD	OUTFIT MNSQ	OUTFIT ZSTD	PT-MEASURE CORR.	PT-MEASURE EXP.	EXACT MATCH OBS%	EXACT MATCH EXP%	ITEM	G
4	233	1440	2.02	.08	1.16	3.3	1.42	5.3	.08	.30	82.9	84.2	@200	0
27	432	1440	1.12	.06	.98	-.6	.98	-.5	.37	.35	74.2	72.8	@327	0
31	455	1440	1.03	.06	1.05	1.9	1.11	3.0	.29	.35	71.9	71.8	@603	0
3	456	1440	1.03	.06	1.02	.7	1.03	.9	.33	.35	72.1	71.8	@199	0
15	458	1440	1.02	.06	1.03	1.1	1.09	2.5	.31	.36	71.9	71.7	@262	0
9	468	1440	.99	.06	1.11	4.1	1.17	4.6	.23	.36	67.4	71.2	@214	0
28	525	1440	.79	.06	.94	-2.5	.93	-2.2	.43	.36	71.6	69.1	@586	0
29	525	1440	.79	.06	1.13	5.2	1.16	5.0	.22	.36	64.1	69.1	@588	0
12	539	1440	.74	.06	1.29	9.9	1.36	9.9	.04	.36	56.2	68.6	@236	0
17	567	1440	.64	.06	.96	-2.0	.96	-1.5	.41	.36	70.0	67.8	@278	0
16	614	1440	.49	.06	1.02	1.2	1.03	1.0	.34	.37	66.4	66.7	@274	0
7	617	1440	.48	.06	.99	-.7	.98	-.7	.38	.37	68.4	66.6	@211	0
36	669	1440	.31	.06	.99	-.6	.99	-.5	.38	.37	65.8	65.7	@611	0
22	728	1440	.12	.06	.99	-.7	.98	-.9	.38	.36	65.9	65.3	@295	0
30	749	1440	.05	.06	.94	-3.1	.93	-3.0	.43	.36	68.8	65.4	@596	0
34	761	1440	.01	.06	1.15	7.7	1.17	6.4	.19	.36	55.8	65.4	@607	0
10	772	1440	-.02	.06	.92	-4.2	.90	-4.2	.45	.36	70.3	65.4	@225	0
38	806	1440	-.13	.06	1.03	1.8	1.04	1.6	.32	.36	65.6	65.8	@659	0
18	833	1440	-.22	.06	.93	-3.7	.90	-3.6	.44	.36	70.2	66.2	@279	0
19	845	1440	-.26	.06	.95	-2.4	.93	-2.4	.41	.35	68.4	66.4	@280	0
8	846	1440	-.26	.06	.93	-3.6	.91	-3.4	.43	.35	69.4	66.4	@212	0
35	852	1440	-.28	.06	.99	-.7	.96	-1.5	.38	.35	66.8	66.6	@608	0
14	857	1440	-.30	.06	1.01	.3	1.01	.5	.34	.35	67.7	66.7	@255	0
33	858	1440	-.30	.06	.98	-.7	.99	-.4	.37	.35	69.0	66.7	@605	0
26	873	1440	-.35	.06	.94	-2.9	.91	-2.9	.42	.35	68.5	67.0	@302	0
20	889	1440	-.41	.06	.91	-4.3	.89	-3.7	.45	.35	71.2	67.4	@281	0
5	900	1440	-.44	.06	1.04	1.8	1.06	1.9	.30	.35	66.1	67.7	@202	0
24	910	1440	-.48	.06	.90	-4.6	.87	-4.0	.46	.35	72.6	68.0	@297	0
6	941	1440	-.58	.06	.97	-1.4	.92	-2.3	.39	.34	68.8	69.0	@204	0
37	958	1440	-.64	.06	1.09	3.8	1.12	3.1	.23	.34	66.9	69.6	@612	0
21	960	1440	-.65	.06	.87	-5.8	.82	-5.2	.49	.34	74.0	69.7	@282	0
2	962	1440	-.66	.06	.99	-.4	1.01	.2	.34	.34	71.3	69.8	@198	0
11	974	1440	-.70	.06	.98	-.7	.93	-1.9	.36	.33	68.9	70.3	@226	0
32	988	1440	-.75	.06	1.11	4.3	1.18	4.3	.19	.33	68.6	70.8	@604	0
23	1002	1440	-.80	.06	.90	-3.8	.85	-3.8	.44	.33	74.4	71.5	@296	0
25	1021	1440	-.87	.06	.87	-5.0	.83	-4.3	.47	.32	76.2	72.3	@301	0
13	1034	1440	-.92	.06	.99	-.4	.97	-.7	.34	.32	72.2	73.0	@239	0
1	1185	1440	-1.59	.07	.92	-1.8	.82	-2.8	.37	.27	82.6	82.4	@181	0
MEAN	764.8	1440.0	.00	.06	1.00	-.3	1.00	-.2			69.6	69.3		
S.D.	214.5	.0	.74	.00	.09	3.5	.13	3.4			5.1	4.0		

TABLE 26.3 6th_raw_demo_edit 6th_all_items_distractor_out.txt Apr 20 11:04 2013
INPUT: 1440 PERSON 38 ITEM MEASURED: 1440 PERSON 38 ITEM 76 CATS WINSTEPS 3.69.1.14

ITEM CATEGORY/OPTION/DISTRACTOR FREQUENCIES: CORRELATION ORDER

ENTRY NUMBER	DATA CODE	SCORE VALUE	DATA COUNT	%	AVERAGE MEASURE	S.E. MEAN	OUTF MNSQ	PTMEA CORR.	ITEM
12	.	0	19	1	-.54	.18	.6	-.10	@236
	2	0	195	14	-.08	.06	1.1	-.11	
	1	0	300	21	.17	.05	1.4	.01	
	4	0	387	27	.24	.04	1.5	.06	
	3	1	539	37	.20*	.03	1.4	.04	
4	4	0	40	3	-.69	.11	.5	-.17	@200
	5	0	82	6	-.20	.09	.8	-.10	
	1	0	206	14	-.17	.05	.8	-.16	
	.	0	23	2	.15	.15	1.0	.00	
	2	0	856	59	.26	.03	1.3	.15	
	3	1	233	16	.32	.06	1.5	.08	
34	1	0	108	8	-.42	.08	.8	-.20	@607
	.	0	38	3	-.36	.12	.8	-.10	
	3	0	533	37	.09	.03	1.3	-.06	
	2	1	761	53	.31	.03	1.2	.19	
32	2	0	180	13	-.24	.06	1.0	-.18	@604
	.	0	19	1	-.04	.20	1.3	-.03	
	4	0	59	4	-.02	.11	1.5	-.04	
	3	0	194	13	.03	.05	1.3	-.06	
	1	1	988	69	.27	.03	1.1	.19	
29	1	0	174	12	-.24	.06	.9	-.17	@588
	3	0	220	15	-.10	.06	1.0	-.13	
	.	0	13	1	-.08	.23	1.0	-.03	
	4	0	508	35	.15	.03	1.3	.00	
	2	1	525	36	.40	.04	1.2	.22	
9	.	0	13	1	-.54	.18	.5	-.08	@214
	2	0	701	49	.02	.03	1.1	-.16	
	1	0	258	18	.08	.05	1.2	-.04	
	3	1	468	33	.43	.04	1.2	.23	
37	.	0	21	1	-.38	.15	.8	-.08	@612
	3	0	143	10	-.18	.06	1.1	-.13	
	1	0	318	22	-.07	.04	1.2	-.14	
	2	1	958	67	.29	.03	1.1	.23	
31	3	0	161	11	-.20	.06	.9	-.15	@603
	.	0	15	1	-.17	.18	.8	-.04	
	2	0	289	20	-.05	.04	.9	-.12	
	4	0	520	36	.08	.03	1.1	-.07	
	1	1	455	32	.51	.04	1.2	.29	
5	2	0	38	3	-.69	.09	.6	-.16	@202
	1	0	50	3	-.68	.08	.6	-.19	
	.	0	20	1	-.29	.19	1.0	-.06	
	4	0	432	30	-.06	.04	1.2	-.17	
	3	1	900	63	.35	.03	1.0	.30	
15	1	0	272	19	-.20	.04	.8	-.20	@262
	.	0	43	3	-.15	.12	.9	-.06	
	4	0	200	14	-.04	.05	1.0	-.09	
	2	0	467	32	.09	.03	1.1	-.05	
	3	1	458	32	.54	.04	1.1	.31	
38	4	0	81	6	-.50	.07	.7	-.19	@659
	1	0	117	8	-.35	.06	.8	-.18	
	.	0	10	1	-.21	.37	1.3	-.04	
	2	0	426	30	-.02	.04	1.2	-.14	
	3	1	806	56	.39	.03	1.0	.32	
3	1	0	241	17	-.18	.05	.9	-.18	@199
	.	0	22	2	.00	.17	1.0	-.02	

	4	0	435	30	.01	.03	1.0	-.12	
	2	0	286	20	.02	.05	1.1	-.08	
	3	1	456	32	.57	.04	1.1	.33	
13	.	0	18	1	-.48	.19	.8	-.09	@239
	4	0	52	4	-.43	.09	.8	-.13	
	1	0	226	16	-.28	.04	.9	-.22	
	3	0	110	8	-.24	.08	1.1	-.14	
	2	1	1034	72	.33	.03	1.0	.34	
16	.	0	20	1	-.48	.16	.6	-.09	@274
	1	0	351	24	-.13	.04	1.0	-.19	
	4	0	139	10	-.06	.07	1.1	-.09	
	3	0	316	22	-.04	.04	1.0	-.12	
	2	1	614	43	.49	.03	1.0	.34	
2	2	0	132	9	-.39	.05	.8	-.21	@198
	.	0	23	2	-.39	.14	.8	-.08	
	4	0	98	7	-.39	.08	1.0	-.17	
	1	0	225	16	-.10	.05	1.2	-.13	
	3	1	962	67	.36	.03	1.0	.34	
14	2	0	148	10	-.52	.06	.7	-.27	@255
	.	0	16	1	-.39	.13	.7	-.07	
	3	0	419	29	-.07	.04	1.2	-.17	
	1	1	857	60	.39	.03	1.0	.34	
11	1	0	450	31	-.29	.03	.9	-.36	@226
	.	0	16	1	-.11	.22	1.2	-.03	
	2	1	974	68	.37	.03	1.0	.36	
33	.	0	31	2	-.34	.15	1.0	-.09	@605
	3	0	120	8	-.30	.07	1.0	-.16	
	2	0	431	30	-.19	.03	1.0	-.27	
	1	1	858	60	.41	.03	1.0	.37	
27	.	0	13	1	-.63	.21	.5	-.09	@327
	3	0	143	10	-.31	.06	.7	-.18	
	1	0	369	26	-.12	.04	.9	-.19	
	2	0	483	34	.10	.04	1.1	-.05	
	4	1	432	30	.63	.04	1.0	.37	
1	3	0	37	3	-.95	.07	.4	-.21	@181
	4	0	100	7	-.62	.06	.7	-.25	
	.	0	14	1	-.59	.16	.7	-.09	
	1	0	104	7	-.24	.07	1.0	-.13	
	2	1	1185	82	.30	.02	.9	.37	
35	.	0	17	1	-.30	.16	.8	-.06	@608
	3	0	245	17	-.29	.04	.8	-.24	
	4	0	114	8	-.25	.07	1.0	-.14	
	1	0	212	15	-.13	.05	1.0	-.14	
	2	1	852	59	.42	.03	1.0	.38	
36	1	0	164	11	-.38	.06	.8	-.23	@611
	.	0	27	2	-.32	.14	.8	-.08	
	2	0	580	40	-.06	.03	1.0	-.21	
	3	1	669	46	.50	.03	1.0	.38	
7	1	0	171	12	-.47	.05	.6	-.27	@211
	.	0	21	1	-.43	.17	.8	-.08	
	4	0	59	4	-.40	.09	.7	-.14	
	3	0	572	40	.02	.03	1.1	-.13	
	2	1	617	43	.53	.03	1.0	.38	
22	.	0	32	2	-.33	.11	.8	-.09	@295
	1	0	276	19	-.24	.04	.8	-.23	
	3	0	404	28	-.11	.03	1.0	-.20	
	2	1	728	51	.47	.03	1.0	.38	
6	.	0	20	1	-.75	.15	.5	-.13	@204
	1	0	479	33	-.27	.03	.9	-.36	
	2	1	941	65	.39	.03	1.0	.39	
19	1	0	135	9	-.52	.06	.7	-.26	@280
	3	0	252	18	-.22	.04	.9	-.21	

	4	0	196	14	-.13	.05	1.0	-.14	
	.	0	12	1	-.10	.28	1.3	-.03	
	2	1	845	59	.45	.03	.9	.41	
17	.	0	22	2	-.24	.12	.7	-.06	@278
	1	0	206	14	-.24	.04	.8	-.19	
	3	0	346	24	-.13	.04	.9	-.19	
	2	0	299	21	-.02	.05	1.1	-.11	
	4	1	567	39	.58	.03	1.0	.41	
26	1	0	96	7	-.55	.06	.6	-.23	@302
	3	0	193	13	-.45	.04	.7	-.28	
	4	0	243	17	-.08	.04	1.0	-.13	
	.	0	35	2	-.03	.15	1.5	-.03	
	2	1	873	61	.44	.03	1.0	.42	
28	4	0	312	22	-.17	.04	.9	-.20	@586
	.	0	21	1	-.13	.23	1.2	-.04	
	1	0	360	25	-.12	.04	.9	-.19	
	2	0	222	15	-.03	.05	1.0	-.09	
	3	1	525	36	.63	.04	.9	.43	
30	3	0	91	6	-.56	.05	.6	-.22	@596
	4	0	204	14	-.21	.05	.9	-.18	
	1	0	396	28	-.15	.03	1.0	-.22	
	2	1	749	52	.50	.03	1.0	.43	
8	2	0	150	10	-.50	.04	.6	-.26	@212
	4	0	132	9	-.27	.06	.9	-.16	
	.	0	23	2	-.25	.14	.9	-.06	
	1	0	289	20	-.18	.04	1.0	-.20	
	3	1	846	59	.46	.03	.9	.43	
18	.	0	2	0	-1.13	.52	.3	-.06	@279
	1	0	123	9	-.40	.05	.7	-.20	
	3	0	209	15	-.32	.04	.8	-.23	
	4	0	273	19	-.18	.04	1.0	-.19	
	2	1	833	58	.47	.03	.9	.44	
23	2	0	104	7	-.58	.06	.7	-.24	@296
	.	0	15	1	-.54	.16	.7	-.08	
	3	0	158	11	-.39	.06	.9	-.23	
	4	0	161	11	-.30	.05	.9	-.19	
	1	1	1002	70	.40	.03	.9	.44	
20	2	0	157	11	-.44	.05	.7	-.25	@281
	.	0	19	1	-.42	.14	.7	-.08	
	4	0	90	6	-.39	.06	.8	-.17	
	1	0	285	20	-.23	.04	1.0	-.23	
	3	1	889	62	.45	.03	.9	.45	
10	1	0	56	4	-.78	.06	.5	-.22	@225
	2	0	156	11	-.57	.04	.6	-.30	
	.	0	10	1	-.25	.22	.9	-.04	
	4	0	446	31	-.08	.03	1.0	-.18	
	3	1	772	54	.51	.03	.9	.45	
24	2	0	77	5	-.59	.07	.6	-.21	@297
	5	0	82	6	-.50	.06	.7	-.19	
	3	0	229	16	-.30	.04	.9	-.24	
	.	0	33	2	-.21	.13	1.0	-.07	
	4	0	109	8	-.19	.07	1.0	-.12	
	1	1	910	63	.45	.03	.9	.46	
25	1	0	100	7	-.68	.05	.6	-.27	@301
	2	0	160	11	-.53	.05	.7	-.29	
	4	0	141	10	-.30	.06	1.0	-.18	
	.	0	18	1	-.11	.22	1.5	-.04	
	3	1	1021	71	.41	.02	.9	.47	
21	3	0	233	16	-.50	.04	.7	-.34	@282
	2	0	129	9	-.40	.06	.8	-.21	
	.	0	16	1	-.35	.18	.9	-.06	
	4	0	102	7	-.29	.06	.9	-.15	
	1	1	960	67	.45	.03	.9	.49	

* Average measure does not ascend with category score

TABLE 30.1 6th_raw_demo_edit 6th_all_items_distractor_out.txt Apr 20 11:04 2013
INPUT: 1440 PERSON 38 ITEM MEASURED: 1440 PERSON 38 ITEM 76 CATS WINSTEPS 3.69.1.14

DIF class specification is: DIF=@737 (Gender)

PERSON CLASS	DIF MEASURE	DIF S.E.	PERSON CLASS	DIF MEASURE	DIF S.E.	DIF CONTRAST	JOINT S.E.	t	Welch d.f.	Welch Prob.	MantelHanzl Prob.	ITEM Size	ITEM Number	Name
1	-1.49	.10	2	-1.68	.10	.18	.14	1.27	INF	.2029	.1382	.10	1	@181
2	-1.68	.10	1	-1.49	.10	-.18	.14	-1.27	INF	.2029	.1382	-.10	1	@181
1	-.58	.08	2	-.73	.08	.14	.12	1.19	INF	.2331	.1864	.10	2	@198
2	-.73	.08	1	-.58	.08	-.14	.12	-1.19	INF	.2331	.1864	-.10	2	@198
1	1.10	.09	2	.97	.08	.13	.12	1.04	INF	.2979	.3588	.13	3	@199
2	.97	.08	1	1.10	.09	-.13	.12	-1.04	INF	.2979	.3588	-.13	3	@199
1	2.02	.11	2	2.02	.11	.00	.15	.00	INF	1.000	.7619	.02	4	@200
2	2.02	.11	1	2.02	.11	.00	.15	.00	INF	1.000	.7619	-.02	4	@200
1	-.33	.08	2	-.55	.08	.22	.12	1.86	INF	.0628	.0777	.17	5	@202
2	-.55	.08	1	-.33	.08	-.22	.12	-1.86	INF	.0628	.0777	-.17	5	@202
1	-.53	.08	2	-.63	.08	.10	.12	.81	INF	.4180	.3156	.11	6	@204
2	-.63	.08	1	-.53	.08	-.10	.12	-.81	INF	.4180	.3156	-.11	6	@204
1	.48	.08	2	.48	.08	.00	.11	.00	INF	1.000	.7925	.04	7	@211
2	.48	.08	1	.48	.08	.00	.11	.00	INF	1.000	.7925	-.04	7	@211
1	-.20	.08	2	-.32	.08	.12	.11	1.01	INF	.3149	.2625	.13	8	@212
2	-.32	.08	1	-.20	.08	-.12	.11	-1.01	INF	.3149	.2625	-.13	8	@212
1	.95	.09	2	1.03	.09	-.08	.12	-.66	INF	.5116	.2734	-.11	9	@214
2	1.03	.09	1	.95	.09	.08	.12	.66	INF	.5116	.2734	.11	9	@214
1	-.14	.08	2	.09	.08	-.24	.11	-2.08	INF	.0376	.0522	-.27	10	@225
2	.09	.08	1	-.14	.08	.24	.11	2.08	INF	.0376	.0522	.27	10	@225
1	-.70	.09	2	-.70	.08	.00	.12	.00	INF	1.000	.7459	.04	11	@226
2	-.70	.08	1	-.70	.09	.00	.12	.00	INF	1.000	.7459	-.04	11	@226
1	.57	.08	2	.91	.08	-.33	.12	-2.82	INF	.0048	.0006	-.37	12	@236
2	.91	.08	1	.57	.08	.33	.12	2.82	INF	.0048	.0006	.37	12	@236
1	-.92	.09	2	-.92	.09	.00	.12	.00	INF	1.000	.9703	.01	13	@239
2	-.92	.09	1	-.92	.09	.00	.12	.00	INF	1.000	.9703	-.01	13	@239
1	-.26	.08	2	-.34	.08	.08	.11	.70	INF	.4820	.4083	.12	14	@255
2	-.34	.08	1	-.26	.08	-.08	.11	-.70	INF	.4820	.4083	-.12	14	@255
1	1.20	.09	2	.86	.08	.35	.12	2.86	INF	.0043	.0055	.33	15	@262
2	.86	.08	1	1.20	.09	-.35	.12	-2.86	INF	.0043	.0055	-.33	15	@262
1	.40	.08	2	.57	.08	-.17	.11	-1.49	INF	.1361	.0827	-.20	16	@274
2	.57	.08	1	.40	.08	.17	.11	1.49	INF	.1361	.0827	.20	16	@274
1	.64	.08	2	.64	.08	.00	.12	.00	INF	1.000	.6190	.06	17	@278
2	.64	.08	1	.64	.08	.00	.12	.00	INF	1.000	.6190	-.06	17	@278
1	-.20	.08	2	-.24	.08	.04	.11	.39	INF	.6944	.4368	.09	18	@279
2	-.24	.08	1	-.20	.08	-.04	.11	-.39	INF	.6944	.4368	-.09	18	@279
1	-.26	.08	2	-.26	.08	.00	.11	.00	INF	1.000	.7976	.02	19	@280
2	-.26	.08	1	-.26	.08	.00	.11	.00	INF	1.000	.7976	-.02	19	@280
1	-.27	.08	2	-.54	.08	.26	.12	2.28	INF	.0228	.0099	.35	20	@281
2	-.54	.08	1	-.27	.08	-.26	.12	-2.28	INF	.0228	.0099	-.35	20	@281
1	-.71	.09	2	-.60	.08	-.11	.12	-.95	INF	.3433	.5708	-.11	21	@282
2	-.60	.08	1	-.71	.09	.11	.12	.95	INF	.3433	.5708	.11	21	@282
1	.17	.08	2	.07	.08	.10	.11	.92	INF	.3586	.3965	.10	22	@295
2	.07	.08	1	.17	.08	-.10	.11	-.92	INF	.3586	.3965	-.10	22	@295
1	-.73	.09	2	-.87	.09	.14	.12	1.13	INF	.2581	.1268	.12	23	@296
2	-.87	.09	1	-.73	.09	-.14	.12	-1.13	INF	.2581	.1268	-.12	23	@296
1	-.48	.08	2	-.48	.08	.00	.12	.00	INF	1.000	.5936	.08	24	@297
2	-.48	.08	1	-.48	.08	.00	.12	.00	INF	1.000	.5936	-.08	24	@297
1	-.99	.09	2	-.77	.08	-.22	.12	-1.79	INF	.0733	.1347	-.22	25	@301
2	-.77	.08	1	-.99	.09	.22	.12	1.79	INF	.0733	.1347	.22	25	@301
1	-.48	.08	2	-.24	.08	-.24	.12	-2.09	INF	.0368	.0597	-.21	26	@302
2	-.24	.08	1	-.48	.08	.24	.12	2.09	INF	.0368	.0597	.21	26	@302
1	1.02	.09	2	1.23	.09	-.20	.12	-1.65	INF	.0994	.0939	-.21	27	@327
2	1.23	.09	1	1.02	.09	.20	.12	1.65	INF	.0994	.0939	.21	27	@327
1	.79	.08	2	.79	.08	.00	.12	.00	INF	1.000	.9459	.00	28	@586
2	.79	.08	1	.79	.08	.00	.12	.00	INF	1.000	.9459	.00	28	@586
1	.81	.08	2	.76	.08	.05	.12	.46	INF	.6459	.8726	-.02	29	@588
2	.76	.08	1	.81	.08	-.05	.12	-.46	INF	.6459	.8726	.02	29	@588
1	-.16	.08	2	.25	.08	-.41	.11	-3.58	INF	.0004	.0002	-.40	30	@596
2	.25	.08	1	-.16	.08	.41	.11	3.58	INF	.0004	.0002	.40	30	@596
1	1.23	.09	2	.86	.08	.37	.12	3.04	INF	.0024	.0074	.33	31	@603
2	.86	.08	1	1.23	.09	-.37	.12	-3.04	INF	.0024	.0074	-.33	31	@603
1	-.72	.09	2	-.78	.08	.05	.12	.43	INF	.6681	.9933	.00	32	@604
2	-.78	.08	1	-.72	.09	-.05	.12	-.43	INF	.6681	.9933	.00	32	@604
1	-.30	.08	2	-.30	.08	.00	.12	.00	INF	1.000	.9424	-.02	33	@605
2	-.30	.08	1	-.30	.08	.00	.12	.00	INF	1.000	.9424	.02	33	@605

1	-.07	.08	2	.09	.08	-.16	.11	-1.44	INF	.1492	.0510	-.21	34 @607
2	.09	.08	1	-.07	.08	.16	.11	1.44	INF	.1492	.0510	.21	34 @607
1	-.28	.08	2	-.28	.08	.00	.11	.00	INF	1.000	.8398	.02	35 @608
2	-.28	.08	1	-.28	.08	.00	.11	.00	INF	1.000	.8398	-.02	35 @608
1	.18	.08	2	.44	.08	-.26	.11	-2.26	INF	.0240	.0218	-.26	36 @611
2	.44	.08	1	.18	.08	.26	.11	2.26	INF	.0240	.0218	.26	36 @611
1	-.70	.09	2	-.59	.08	-.11	.12	-.94	INF	.3458	.2454	-.15	37 @612
2	-.59	.08	1	-.70	.09	.11	.12	.94	INF	.3458	.2454	.15	37 @612
1	-.01	.08	2	-.25	.08	.24	.11	2.08	INF	.0377	.0483	.25	38 @659
2	-.25	.08	1	-.01	.08	-.24	.11	-2.08	INF	.0377	.0483	-.25	38 @659

Size of Mantel-Haenszel slice: MHSLICE = .010 logits

Category 1 = Female, Category 2 = Male

TABLE 30.4 6th_raw_demo_edit 6th_all_items_distractor_out.txt Apr 20 11:04 2013
INPUT: 1440 PERSON 38 ITEM MEASURED: 1440 PERSON 38 ITEM 76 CATS WINSTEPS 3.69.1.14

DIF class specification is: DIF=@737 (Gender)

PERSON CLASSES	SUMMARY DIF CHI-SQUARE	D.F.	PROB.	ITEM Number	Name
2	1.6208	1	.2030	1	@181
2	1.4216	1	.2331	2	@198
2	1.0834	1	.2979	3	@199
2	.0000	1	1.0000	4	@200
2	3.4597	1	.0629	5	@202
2	.6558	1	.4180	6	@204
2	.0000	1	1.0000	7	@211
2	1.0098	1	.3150	8	@212
2	.4311	1	.5114	9	@214
2	4.3233	1	.0376	10	@225
2	.0000	1	1.0000	11	@226
2	7.9443	1	.0048	12	@236
2	.0000	1	1.0000	13	@239
2	.4943	1	.4820	14	@255
2	8.1385	1	.0043	15	@262
2	2.2209	1	.1362	16	@274
2	.0000	1	1.0000	17	@278
2	.1543	1	.6945	18	@279
2	.0000	1	1.0000	19	@280
2	5.1849	1	.0228	20	@281
2	.8977	1	.3434	21	@282
2	.8424	1	.3587	22	@295
2	1.2786	1	.2582	23	@296
2	.0000	1	1.0000	24	@297
2	3.2069	1	.0733	25	@301
2	4.3571	1	.0369	26	@302
2	2.7141	1	.0995	27	@327
2	.0000	1	1.0000	28	@586
2	.2115	1	.6456	29	@588
2	12.7411	1	.0004	30	@596
2	9.2365	1	.0024	31	@603
2	.1840	1	.6680	32	@604
2	.0000	1	1.0000	33	@605
2	2.0802	1	.1492	34	@607
2	.0000	1	1.0000	35	@608
2	5.0943	1	.0240	36	@611
2	.8887	1	.3458	37	@612
2	4.3181	1	.0377	38	@659

TABLE 30.1 6th_raw_demo_edit 6th_all_items_distractor_out.txt Apr 20 11:04 2013
INPUT: 1440 PERSON 38 ITEM MEASURED: 1440 PERSON 38 ITEM 76 CATS WINSTEPS 3.69.1.14

DIF class specification is: DIF=@738 (Race/Ethnicity)

PERSON CLASS	DIF MEASURE	DIF S.E.	PERSON CLASS	DIF MEASURE	DIF S.E.	DIF CONTRAST	JOINT S.E.	t	Welch d.f.	Welch Prob.	MantelHanzl Prob.	MantelHanzl Size	ITEM Number	ITEM Name
1	-1.59	.33	2	-1.16	.28	-.43	.44	-.98	154	.3303	.6911	-.35	1	@181
1	-1.59	.33	3	-1.46	.27	-.13	.42	-.31	173	.7580	.9659	.39	1	@181
1	-1.59	.33	4	-1.72	.41	.13	.53	.26	100	.7985	.1827	+.	1	@181
1	-1.59	.33	5	-1.20	.29	-.38	.44	-.87	170	.3859	.3795	-.65	1	@181
1	-1.59	.33	7	-1.66	.09	.07	.34	.22	144	.8299	.4118	.64	1	@181
2	-1.16	.28	1	-1.59	.33	.43	.44	.98	154	.3303	.6911	.35	1	@181
2	-1.16	.28	3	-1.46	.27	.29	.39	.76	142	.4483	.9914	-.06	1	@181
2	-1.16	.28	4	-1.72	.41	.56	.50	1.13	86	.2615	.3881	-.85	1	@181
2	-1.16	.28	5	-1.20	.29	.04	.40	.11	141	.9141	.4961	-.43	1	@181
2	-1.16	.28	7	-1.66	.09	.50	.30	1.69	107	.0939	.0867	.68	1	@181
3	-1.46	.27	1	-1.59	.33	.13	.42	.31	173	.7580	.9659	-.39	1	@181
3	-1.46	.27	2	-1.16	.28	-.29	.39	-.76	142	.4483	.9914	.06	1	@181
3	-1.46	.27	4	-1.72	.41	.27	.49	.55	88	.5860	.6269	-.68	1	@181
3	-1.46	.27	5	-1.20	.29	-.25	.39	-.64	160	.5224	.4912	-.35	1	@181
3	-1.46	.27	7	-1.66	.09	.20	.28	.74	142	.4633	.7432	.22	1	@181
4	-1.72	.41	1	-1.59	.33	-.13	.53	-.26	100	.7985	.1827	-.	1	@181
4	-1.72	.41	2	-1.16	.28	-.56	.50	-1.13	86	.2615	.3881	.85	1	@181
4	-1.72	.41	3	-1.46	.27	-.27	.49	-.55	88	.5860	.6269	.68	1	@181
4	-1.72	.41	5	-1.20	.29	-.52	.50	-1.04	91	.3031	.0319	.35	1	@181
4	-1.72	.41	7	-1.66	.09	-.06	.42	-.15	56	.8844	.9486	.67	1	@181
5	-1.20	.29	1	-1.59	.33	.38	.44	.87	170	.3859	.3795	.65	1	@181
5	-1.20	.29	2	-1.16	.28	-.04	.40	-.11	141	.9141	.4961	.43	1	@181
5	-1.20	.29	3	-1.46	.27	.25	.39	.64	160	.5224	.4912	.35	1	@181
5	-1.20	.29	4	-1.72	.41	.52	.50	1.04	91	.3031	.0319	-.35	1	@181
5	-1.20	.29	7	-1.66	.09	.46	.30	1.52	131	.1320	.0978	1.13	1	@181
7	-1.66	.09	1	-1.59	.33	-.07	.34	-.22	144	.8299	.4118	-.64	1	@181
7	-1.66	.09	2	-1.16	.28	-.50	.30	-1.69	107	.0939	.0867	-.68	1	@181
7	-1.66	.09	3	-1.46	.27	-.20	.28	-.74	142	.4633	.7432	-.22	1	@181
7	-1.66	.09	4	-1.72	.41	.06	.42	.15	56	.8844	.9486	-.67	1	@181
7	-1.66	.09	5	-1.20	.29	-.46	.30	-1.52	131	.1320	.0978	-1.13	1	@181
1	-.41	.25	2	-.66	.27	.25	.36	.68	148	.4975	.6312	-.22	2	@198
1	-.41	.25	3	-1.00	.25	.59	.35	1.71	173	.0899	.3954	.17	2	@198
1	-.41	.25	4	-.44	.33	.03	.41	.07	95	.9476	.5030	-2.20	2	@198
1	-.41	.25	5	-.11	.25	-.30	.35	-.87	170	.3844	.3966	-.57	2	@198
1	-.41	.25	7	-.70	.07	.29	.26	1.13	150	.2608	.2473	.64	2	@198
2	-.66	.27	1	-.41	.25	-.25	.36	-.68	148	.4975	.6312	.22	2	@198
2	-.66	.27	3	-1.00	.25	.35	.36	.96	142	.3391	.5397	.32	2	@198
2	-.66	.27	4	-.44	.33	-.22	.43	-.51	90	.6090	.3387	-.66	2	@198
2	-.66	.27	5	-.11	.25	-.55	.36	-1.52	140	.1310	.0914	-.20	2	@198
2	-.66	.27	7	-.70	.07	.04	.27	.16	101	.8769	.6182	.39	2	@198
3	-1.00	.25	1	-.41	.25	-.59	.35	-1.71	173	.0899	.3954	-.17	2	@198
3	-1.00	.25	2	-.66	.27	-.35	.36	-.96	142	.3391	.5397	-.32	2	@198
3	-1.00	.25	4	-.44	.33	-.57	.41	-1.36	93	.1756	.6084	-.08	2	@198
3	-1.00	.25	5	-.11	.25	-.90	.35	-2.58	160	.0108	.0081	-.38	2	@198
3	-1.00	.25	7	-.70	.07	-.30	.25	-1.19	134	.2351	.1193	-.25	2	@198
4	-.44	.33	1	-.41	.25	-.03	.41	-.07	95	.9476	.5030	2.20	2	@198
4	-.44	.33	2	-.66	.27	.22	.43	.51	90	.6090	.3387	.66	2	@198
4	-.44	.33	3	-1.00	.25	.57	.41	1.36	93	.1756	.6084	.08	2	@198
4	-.44	.33	5	-.11	.25	-.33	.41	-.80	92	.4269	.7378	.62	2	@198
4	-.44	.33	7	-.70	.07	.26	.34	.77	56	.4464	.3858	.53	2	@198
5	-.11	.25	1	-.41	.25	.30	.35	.87	170	.3844	.3966	.57	2	@198
5	-.11	.25	2	-.66	.27	.55	.36	1.52	140	.1310	.0914	.20	2	@198
5	-.11	.25	3	-1.00	.25	.90	.35	2.58	160	.0108	.0081	.38	2	@198
5	-.11	.25	4	-.44	.33	.33	.41	.80	92	.4269	.7378	-.62	2	@198
5	-.11	.25	7	-.70	.07	.59	.26	2.32	128	.0222	.0129	.75	2	@198
7	-.70	.07	1	-.41	.25	-.29	.26	-1.13	150	.2608	.2473	-.64	2	@198
7	-.70	.07	2	-.66	.27	-.04	.27	-.16	101	.8769	.6182	-.39	2	@198
7	-.70	.07	3	-1.00	.25	.30	.25	1.19	134	.2351	.1193	.25	2	@198
7	-.70	.07	4	-.44	.33	-.26	.34	-.77	56	.4464	.3858	-.53	2	@198
7	-.70	.07	5	-.11	.25	-.59	.26	-2.32	128	.0222	.0129	-.75	2	@198
1	1.68	.24	2	.96	.30	.71	.39	1.85	144	.0670	.0296	1.12	3	@199
1	1.68	.24	3	1.03	.27	.64	.36	1.77	171	.0791	.1603	.15	3	@199
1	1.68	.24	4	1.16	.40	.52	.47	1.11	87	.2716	.0946	-.29	3	@199
1	1.68	.24	5	.92	.25	.76	.35	2.16	169	.0323	.0171	.44	3	@199
1	1.68	.24	7	.98	.07	.69	.25	2.73	150	.0071	.0049	.31	3	@199
2	.96	.30	1	1.68	.24	-.71	.39	-1.85	144	.0670	.0296	-1.12	3	@199

2	.96	.30	3	1.03	.27	-.07	.40	-.16	141	.8698	.8596	-.74	3	@199
2	.96	.30	4	1.16	.40	-.19	.50	-.39	88	.6974	.8076	.19	3	@199
2	.96	.30	5	.92	.25	.05	.39	.12	138	.9054	.6673	-.37	3	@199
2	.96	.30	7	.98	.07	-.02	.31	-.06	96	.9527	.8842	-.68	3	@199
3	1.03	.27	1	1.68	.24	-.64	.36	-1.77	171	.0791	.1603	-.15	3	@199
3	1.03	.27	2	.96	.30	.07	.40	.16	141	.8698	.8596	.74	3	@199
3	1.03	.27	4	1.16	.40	-.13	.48	-.27	90	.7914	.6868	-.20	3	@199
3	1.03	.27	5	.92	.25	.11	.37	.30	160	.7614	.8034	1.64	3	@199
3	1.03	.27	7	.98	.07	.05	.28	.17	128	.8642	.7369	-.27	3	@199
4	1.16	.40	1	1.68	.24	-.52	.47	-1.11	87	.2716	.0946	.29	3	@199
4	1.16	.40	2	.96	.30	.19	.50	.39	88	.6974	.8076	-.19	3	@199
4	1.16	.40	3	1.03	.27	.13	.48	.27	90	.7914	.6868	.20	3	@199
4	1.16	.40	5	.92	.25	.24	.47	.51	86	.6111	.8012	.46	3	@199
4	1.16	.40	7	.98	.07	.18	.40	.44	53	.6653	.4839	-.29	3	@199
5	.92	.25	1	1.68	.24	-.76	.35	-2.16	169	.0323	.0171	-.44	3	@199
5	.92	.25	2	.96	.30	-.05	.39	-.12	138	.9054	.6673	.37	3	@199
5	.92	.25	3	1.03	.27	-.11	.37	-.30	160	.7614	.8034	-1.64	3	@199
5	.92	.25	4	1.16	.40	-.24	.47	-.51	86	.6111	.8012	-.46	3	@199
5	.92	.25	7	.98	.07	-.06	.26	-.25	127	.8050	.8699	-.32	3	@199
7	.98	.07	1	1.68	.24	-.69	.25	-2.73	150	.0071	.0049	-.31	3	@199
7	.98	.07	2	.96	.30	.02	.31	.06	96	.9527	.8842	.68	3	@199
7	.98	.07	3	1.03	.27	-.05	.28	-.17	128	.8642	.7369	.27	3	@199
7	.98	.07	4	1.16	.40	-.18	.40	-.44	53	.6653	.4839	.29	3	@199
7	.98	.07	5	.92	.25	.06	.26	.25	127	.8050	.8699	.32	3	@199
1	2.89	.33	2	1.06	.30	1.83	.45	4.12	152	.0001	.1203	1.05	4	@200
1	2.89	.33	3	1.98	.35	.91	.48	1.91	172	.0578	.7804	.69	4	@200
1	2.89	.33	4	.60	.36	2.29	.48	4.75	105	.0000	.0594	+.	4	@200
1	2.89	.33	5	2.14	.32	.75	.45	1.66	170	.0983	.0929	.51	4	@200
1	2.89	.33	7	2.06	.09	.83	.34	2.45	147	.0154	.2281	-.02	4	@200
2	1.06	.30	1	2.89	.33	-1.83	.45	-4.12	152	.0001	.1203	-1.05	4	@200
2	1.06	.30	3	1.98	.35	-.92	.46	-1.98	145	.0494	.3489	-1.06	4	@200
2	1.06	.30	4	.60	.36	.46	.47	.98	92	.3301	.1450	.69	4	@200
2	1.06	.30	5	2.14	.32	-1.08	.44	-2.47	141	.0147	.1807	-1.77	4	@200
2	1.06	.30	7	2.06	.09	-1.01	.32	-3.19	105	.0019	.0342	-1.66	4	@200
3	1.98	.35	1	2.89	.33	-.91	.48	-1.91	172	.0578	.7804	-.69	4	@200
3	1.98	.35	2	1.06	.30	.92	.46	1.98	145	.0494	.3489	1.06	4	@200
3	1.98	.35	4	.60	.36	1.38	.50	2.76	105	.0069	.0542	.88	4	@200
3	1.98	.35	5	2.14	.32	-.16	.47	-.34	160	.7326	.2578	1.47	4	@200
3	1.98	.35	7	2.06	.09	-.09	.36	-.24	127	.8079	.8019	-.80	4	@200
4	.60	.36	1	2.89	.33	-2.29	.48	-4.75	105	.0000	.0594	-.	4	@200
4	.60	.36	2	1.06	.30	-.46	.47	-.98	92	.3301	.1450	-.69	4	@200
4	.60	.36	3	1.98	.35	-1.38	.50	-2.76	105	.0069	.0542	-.88	4	@200
4	.60	.36	5	2.14	.32	-1.54	.48	-3.24	99	.0016	.0696	-.11	4	@200
4	.60	.36	7	2.06	.09	-1.47	.37	-4.00	60	.0002	.0053	-1.46	4	@200
5	2.14	.32	1	2.89	.33	-.75	.45	-1.66	170	.0983	.0929	-.51	4	@200
5	2.14	.32	2	1.06	.30	1.08	.44	2.47	141	.0147	.1807	1.77	4	@200
5	2.14	.32	3	1.98	.35	.16	.47	.34	160	.7326	.2578	-1.47	4	@200
5	2.14	.32	4	.60	.36	1.54	.48	3.24	99	.0016	.0696	.11	4	@200
5	2.14	.32	7	2.06	.09	.07	.33	.22	128	.8231	.6653	-.88	4	@200
7	2.06	.09	1	2.89	.33	-.83	.34	-2.45	147	.0154	.2281	.02	4	@200
7	2.06	.09	2	1.06	.30	1.01	.32	3.19	105	.0019	.0342	1.66	4	@200
7	2.06	.09	3	1.98	.35	.09	.36	.24	127	.8079	.8019	.80	4	@200
7	2.06	.09	4	.60	.36	1.47	.37	4.00	60	.0002	.0053	1.46	4	@200
7	2.06	.09	5	2.14	.32	-.07	.33	-.22	128	.8231	.6653	.88	4	@200
1	-.41	.25	2	-.29	.26	-.12	.36	-.32	149	.7470	.1331	.02	5	@202
1	-.41	.25	3	-.49	.23	.08	.34	.23	173	.8156	.9178	.17	5	@202
1	-.41	.25	4	-.66	.34	.25	.42	.60	95	.5474	.3977	-.09	5	@202
1	-.41	.25	5	-.55	.26	.14	.36	.38	169	.7025	.4461	-.72	5	@202
1	-.41	.25	7	-.44	.07	.03	.26	.12	148	.9011	.8260	.34	5	@202
2	-.29	.26	1	-.41	.25	.12	.36	.32	149	.7470	.1331	-.02	5	@202
2	-.29	.26	3	-.49	.23	.20	.35	.56	141	.5787	.8412	.02	5	@202
2	-.29	.26	4	-.66	.34	.37	.43	.86	89	.3907	.3146	-.05	5	@202
2	-.29	.26	5	-.55	.26	.25	.37	.69	141	.4923	.7844	-.31	5	@202
2	-.29	.26	7	-.44	.07	.15	.27	.55	100	.5851	.6564	.10	5	@202
3	-.49	.23	1	-.41	.25	-.08	.34	-.23	173	.8156	.9178	-.17	5	@202
3	-.49	.23	2	-.29	.26	-.20	.35	-.56	141	.5787	.8412	-.02	5	@202
3	-.49	.23	4	-.66	.34	.17	.41	.42	91	.6749	.9227	-.24	5	@202
3	-.49	.23	5	-.55	.26	.06	.35	.16	160	.8707	.8030	-.41	5	@202
3	-.49	.23	7	-.44	.07	-.05	.24	-.20	134	.8454	.7248	-.08	5	@202
4	-.66	.34	1	-.41	.25	-.25	.42	-.60	95	.5474	.3977	.09	5	@202
4	-.66	.34	2	-.29	.26	-.37	.43	-.86	89	.3907	.3146	.05	5	@202
4	-.66	.34	3	-.49	.23	-.17	.41	-.42	91	.6749	.9227	.24	5	@202
4	-.66	.34	5	-.55	.26	-.12	.42	-.27	93	.7844	.7479	-.26	5	@202
4	-.66	.34	7	-.44	.07	-.22	.34	-.64	55	.5244	.4191	-.03	5	@202
5	-.55	.26	1	-.41	.25	-.14	.36	-.38	169	.7025	.4461	.72	5	@202
5	-.55	.26	2	-.29	.26	-.25	.37	-.69	141	.4923	.7844	.31	5	@202

5	-.55	.26	3	-.49	.23	-.06	.35	-.16	160	.8707	.8030	.41	5	@202
5	-.55	.26	4	-.66	.34	.12	.42	.27	93	.7844	.7479	.26	5	@202
5	-.55	.26	7	-.44	.07	-.10	.27	-.39	125	.6948	.6002	.37	5	@202
7	-.44	.07	1	-.41	.25	-.03	.26	-.12	148	.9011	.8260	-.34	5	@202
7	-.44	.07	2	-.29	.26	-.15	.27	-.55	100	.5851	.6564	-.10	5	@202
7	-.44	.07	3	-.49	.23	.05	.24	.20	134	.8454	.7248	.08	5	@202
7	-.44	.07	4	-.66	.34	.22	.34	.64	55	.5244	.4191	.03	5	@202
7	-.44	.07	5	-.55	.26	.10	.27	.39	125	.6948	.6002	-.37	5	@202
1	-.80	.27	2	-.64	.27	-.16	.38	-.43	151	.6668	.4545	-.54	6	@204
1	-.80	.27	3	-.49	.23	-.31	.35	-.88	173	.3807	.8517	-.04	6	@204
1	-.80	.27	4	.01	.34	-.81	.43	-1.89	99	.0619	.1292	-.93	6	@204
1	-.80	.27	5	-.82	.27	.02	.38	.05	169	.9610	.8818	-.15	6	@204
1	-.80	.27	7	-.58	.07	-.22	.27	-.80	144	.4271	.7047	.15	6	@204
2	-.64	.27	1	-.80	.27	.16	.38	.43	151	.6668	.4545	.54	6	@204
2	-.64	.27	3	-.49	.23	-.15	.35	-.42	141	.6731	.6481	-.06	6	@204
2	-.64	.27	4	.01	.34	-.65	.43	-1.51	90	.1341	.1207	-.57	6	@204
2	-.64	.27	5	-.82	.27	.18	.38	.48	141	.6322	.5002	.60	6	@204
2	-.64	.27	7	-.58	.07	-.06	.27	-.21	100	.8363	.7049	-.01	6	@204
3	-.49	.23	1	-.80	.27	.31	.35	.88	173	.3807	.8517	.04	6	@204
3	-.49	.23	2	-.64	.27	.15	.35	.42	141	.6731	.6481	.06	6	@204
3	-.49	.23	4	.01	.34	-.50	.41	-1.21	91	.2280	.0826	.61	6	@204
3	-.49	.23	5	-.82	.27	.33	.36	.93	159	.3544	.8666	.03	6	@204
3	-.49	.23	7	-.58	.07	.09	.24	.38	135	.7041	.9888	.25	6	@204
4	.01	.34	1	-.80	.27	.81	.43	1.89	99	.0619	.1292	.93	6	@204
4	.01	.34	2	-.64	.27	.65	.43	1.51	90	.1341	.1207	.57	6	@204
4	.01	.34	3	-.49	.23	.50	.41	1.21	91	.2280	.0826	-.61	6	@204
4	.01	.34	5	-.82	.27	.83	.43	1.93	95	.0568	.2006	.27	6	@204
4	.01	.34	7	-.58	.07	.59	.34	1.72	56	.0903	.1611	-.12	6	@204
5	-.82	.27	1	-.80	.27	-.02	.38	-.05	169	.9610	.8818	.15	6	@204
5	-.82	.27	2	-.64	.27	-.18	.38	-.48	141	.6322	.5002	-.60	6	@204
5	-.82	.27	3	-.49	.23	-.33	.36	-.93	159	.3544	.8666	-.03	6	@204
5	-.82	.27	4	.01	.34	-.83	.43	-1.93	95	.0568	.2006	-.27	6	@204
5	-.82	.27	7	-.58	.07	-.24	.28	-.86	123	.3913	.4127	-.03	6	@204
7	-.58	.07	1	-.80	.27	.22	.27	.80	144	.4271	.7047	-.15	6	@204
7	-.58	.07	2	-.64	.27	.06	.27	.21	100	.8363	.7049	.01	6	@204
7	-.58	.07	3	-.49	.23	-.09	.24	-.38	135	.7041	.9888	-.25	6	@204
7	-.58	.07	4	.01	.34	-.59	.34	-1.72	56	.0903	.1611	.12	6	@204
7	-.58	.07	5	-.82	.27	.24	.28	.86	123	.3913	.4127	.03	6	@204
1	.71	.22	2	.48	.27	.23	.35	.66	144	.5087	.1354	.20	7	@211
1	.71	.22	3	.71	.25	.01	.34	.02	171	.9880	.6645	-.32	7	@211
1	.71	.22	4	.48	.35	.23	.42	.56	89	.5737	.0765	.90	7	@211
1	.71	.22	5	.73	.25	-.02	.33	-.06	168	.9534	.7433	-.57	7	@211
1	.71	.22	7	.42	.07	.29	.23	1.23	152	.2207	.1470	.08	7	@211
2	.48	.27	1	.71	.22	-.23	.35	-.66	144	.5087	.1354	-.20	7	@211
2	.48	.27	3	.71	.25	-.23	.37	-.62	142	.5394	.4598	-.32	7	@211
2	.48	.27	4	.48	.35	.00	.44	.00	90	1.000	.5457	-.06	7	@211
2	.48	.27	5	.73	.25	-.25	.37	-.69	139	.4921	.1629	-.29	7	@211
2	.48	.27	7	.42	.07	.05	.28	.19	98	.8506	.9642	-.01	7	@211
3	.71	.25	1	.71	.22	-.01	.34	-.02	171	.9880	.6645	.32	7	@211
3	.71	.25	2	.48	.27	.23	.37	.62	142	.5394	.4598	.32	7	@211
3	.71	.25	4	.48	.35	.23	.43	.53	92	.5963	.6067	.47	7	@211
3	.71	.25	5	.73	.25	-.02	.35	-.07	160	.9446	.5709	.26	7	@211
3	.71	.25	7	.42	.07	.28	.26	1.08	129	.2822	.2499	.29	7	@211
4	.48	.35	1	.71	.22	-.23	.42	-.56	89	.5737	.0765	-.90	7	@211
4	.48	.35	2	.48	.27	.00	.44	.00	90	1.000	.5457	.06	7	@211
4	.48	.35	3	.71	.25	-.23	.43	-.53	92	.5963	.6067	-.47	7	@211
4	.48	.35	5	.73	.25	-.25	.43	-.59	91	.5543	.2043	-.36	7	@211
4	.48	.35	7	.42	.07	.05	.36	.15	54	.8817	.8919	.01	7	@211
5	.73	.25	1	.71	.22	.02	.33	.06	168	.9534	.7433	.57	7	@211
5	.73	.25	2	.48	.27	.25	.37	.69	139	.4921	.1629	.29	7	@211
5	.73	.25	3	.71	.25	.02	.35	.07	160	.9446	.5709	-.26	7	@211
5	.73	.25	4	.48	.35	.25	.43	.59	91	.5543	.2043	.36	7	@211
5	.73	.25	7	.42	.07	.31	.26	1.20	125	.2322	.1595	.38	7	@211
7	.42	.07	1	.71	.22	-.29	.23	-1.23	152	.2207	.1470	-.08	7	@211
7	.42	.07	2	.48	.27	-.05	.28	-.19	98	.8506	.9642	.01	7	@211
7	.42	.07	3	.71	.25	-.28	.26	-1.08	129	.2822	.2499	-.29	7	@211
7	.42	.07	4	.48	.35	-.05	.36	-.15	54	.8817	.8919	-.01	7	@211
7	.42	.07	5	.73	.25	-.31	.26	-1.20	125	.2322	.1595	-.38	7	@211
1	-.35	.24	2	-.29	.26	-.06	.36	-.16	148	.8756	.3927	.28	8	@212
1	-.35	.24	3	.23	.24	-.58	.34	-1.69	173	.0927	.2320	-.65	8	@212
1	-.35	.24	4	-.55	.34	.20	.41	.48	95	.6320	.1499	-.14	8	@212
1	-.35	.24	5	-.29	.25	-.06	.35	-.17	169	.8647	.7623	-.72	8	@212
1	-.35	.24	7	-.26	.07	-.09	.25	-.35	147	.7280	.8036	.10	8	@212
2	-.29	.26	1	-.35	.24	.06	.36	.16	148	.8756	.3927	-.28	8	@212
2	-.29	.26	3	.23	.24	-.52	.35	-1.47	141	.1435	.3236	-.54	8	@212
2	-.29	.26	4	-.55	.34	.26	.43	.60	90	.5498	.1199	.21	8	@212

2	-.29	.26	5	-.29	.25	.00	.36	-.01	140	.9923	.4615	-.44	8	@212
2	-.29	.26	7	-.26	.07	-.03	.27	-.12	100	.9058	.8044	-.19	8	@212
3	.23	.24	1	-.35	.24	.58	.34	1.69	173	.0927	.2320	.65	8	@212
3	.23	.24	2	-.29	.26	.52	.35	1.47	141	.1435	.3236	.54	8	@212
3	.23	.24	4	-.55	.34	.78	.41	1.88	92	.0626	.0556	.74	8	@212
3	.23	.24	5	-.29	.25	.52	.35	1.50	160	.1362	.1480	.00	8	@212
3	.23	.24	7	-.26	.07	.49	.25	1.97	133	.0505	.0919	.50	8	@212
4	-.55	.34	1	-.35	.24	-.20	.41	-.48	95	.6320	.1499	.14	8	@212
4	-.55	.34	2	-.29	.26	-.26	.43	-.60	90	.5498	.1199	-.21	8	@212
4	-.55	.34	3	.23	.24	-.78	.41	-1.88	92	.0626	.0556	-.74	8	@212
4	-.55	.34	5	-.29	.25	-.26	.42	-.62	93	.5375	.1823	-.70	8	@212
4	-.55	.34	7	-.26	.07	-.29	.34	-.84	55	.4045	.2581	-.16	8	@212
5	-.29	.25	1	-.35	.24	.06	.35	.17	169	.8647	.7623	.72	8	@212
5	-.29	.25	2	-.29	.26	.00	.36	.01	140	.9923	.4615	.44	8	@212
5	-.29	.25	3	.23	.24	-.52	.35	-1.50	160	.1362	.1480	.00	8	@212
5	-.29	.25	4	-.55	.34	.26	.42	.62	93	.5375	.1823	.70	8	@212
5	-.29	.25	7	-.26	.07	-.03	.26	-.11	125	.9124	.9254	.34	8	@212
7	-.26	.07	1	-.35	.24	.09	.25	.35	147	.7280	.8036	-.10	8	@212
7	-.26	.07	2	-.29	.26	.03	.27	.12	100	.9058	.8044	.19	8	@212
7	-.26	.07	3	.23	.24	-.49	.25	-1.97	133	.0505	.0919	-.50	8	@212
7	-.26	.07	4	-.55	.34	.29	.34	.84	55	.4045	.2581	.16	8	@212
7	-.26	.07	5	-.29	.25	.03	.26	.11	125	.9124	.9254	-.34	8	@212
1	.71	.22	2	1.15	.31	-.44	.38	-1.14	139	.2554	.1369	-.07	9	@214
1	.71	.22	3	.77	.26	-.06	.34	-.18	171	.8606	.3689	-.39	9	@214
1	.71	.22	4	.47	.35	.24	.42	.58	89	.5661	.5413	.34	9	@214
1	.71	.22	5	.73	.25	-.02	.33	-.06	168	.9534	.8843	-.31	9	@214
1	.71	.22	7	1.06	.07	-.35	.24	-1.48	156	.1407	.0921	-.48	9	@214
2	1.15	.31	1	.71	.22	.44	.38	1.14	139	.2554	.1369	.07	9	@214
2	1.15	.31	3	.77	.26	.38	.40	.94	139	.3500	.2758	.89	9	@214
2	1.15	.31	4	.47	.35	.68	.47	1.45	93	.1510	.0760	.06	9	@214
2	1.15	.31	5	.73	.25	.42	.40	1.05	136	.2942	.1738	.04	9	@214
2	1.15	.31	7	1.06	.07	.09	.32	.28	95	.7808	.2848	-.12	9	@214
3	.77	.26	1	.71	.22	.06	.34	.18	171	.8606	.3689	.39	9	@214
3	.77	.26	2	1.15	.31	-.38	.40	-.94	139	.3500	.2758	-.89	9	@214
3	.77	.26	4	.47	.35	.30	.43	.69	93	.4917	.3230	-.96	9	@214
3	.77	.26	5	.73	.25	.04	.36	.11	160	.9098	.4083	-.27	9	@214
3	.77	.26	7	1.06	.07	-.29	.27	-1.09	132	.2796	.8057	-.76	9	@214
4	.47	.35	1	.71	.22	-.24	.42	-.58	89	.5661	.5413	-.34	9	@214
4	.47	.35	2	1.15	.31	-.68	.47	-1.45	93	.1510	.0760	-.06	9	@214
4	.47	.35	3	.77	.26	-.30	.43	-.69	93	.4917	.3230	.96	9	@214
4	.47	.35	5	.73	.25	-.26	.43	-.60	91	.5471	.5679	.14	9	@214
4	.47	.35	7	1.06	.07	-.59	.36	-1.65	56	.1048	.3144	.06	9	@214
5	.73	.25	1	.71	.22	.02	.33	.06	168	.9534	.8843	.31	9	@214
5	.73	.25	2	1.15	.31	-.42	.40	-1.05	136	.2942	.1738	-.04	9	@214
5	.73	.25	3	.77	.26	-.04	.36	-.11	160	.9098	.4083	.27	9	@214
5	.73	.25	4	.47	.35	.26	.43	.60	91	.5471	.5679	-.14	9	@214
5	.73	.25	7	1.06	.07	-.33	.26	-1.28	129	.2032	.2614	-.45	9	@214
7	1.06	.07	1	.71	.22	.35	.24	1.48	156	.1407	.0921	.48	9	@214
7	1.06	.07	2	1.15	.31	-.09	.32	-.28	95	.7808	.2848	.12	9	@214
7	1.06	.07	3	.77	.26	.29	.27	1.09	132	.2796	.8057	.76	9	@214
7	1.06	.07	4	.47	.35	.59	.36	1.65	56	.1048	.3144	-.06	9	@214
7	1.06	.07	5	.73	.25	.33	.26	1.28	129	.2032	.2614	.45	9	@214
1	-.41	.25	2	-.16	.26	-.25	.36	-.70	149	.4830	.5908	-.18	10	@225
1	-.41	.25	3	.17	.24	-.58	.34	-1.70	173	.0918	.5601	-.37	10	@225
1	-.41	.25	4	.86	.37	-1.27	.45	-2.85	90	.0055	.0274	-.21	10	@225
1	-.41	.25	5	-.23	.25	-.18	.35	-.52	169	.6045	.9542	.00	10	@225
1	-.41	.25	7	-.02	.07	-.39	.25	-1.52	146	.1297	.2410	-.03	10	@225
2	-.16	.26	1	-.41	.25	.25	.36	.70	149	.4830	.5908	.18	10	@225
2	-.16	.26	3	.17	.24	-.33	.35	-.93	141	.3555	.7565	-.58	10	@225
2	-.16	.26	4	.86	.37	-1.02	.46	-2.24	86	.0277	.0037	-.69	10	@225
2	-.16	.26	5	-.23	.25	.07	.36	.20	140	.8440	.5649	-.31	10	@225
2	-.16	.26	7	-.02	.07	-.14	.27	-.50	99	.6160	.3860	-.42	10	@225
3	.17	.24	1	-.41	.25	.58	.34	1.70	173	.0918	.5601	.37	10	@225
3	.17	.24	2	-.16	.26	.33	.35	.93	141	.3555	.7565	.58	10	@225
3	.17	.24	4	.86	.37	-.69	.44	-1.57	87	.1208	.3835	-.02	10	@225
3	.17	.24	5	-.23	.25	.40	.34	1.16	160	.2478	.8174	.35	10	@225
3	.17	.24	7	-.02	.07	.19	.25	.78	132	.4375	.7338	.17	10	@225
4	.86	.37	1	-.41	.25	1.27	.45	2.85	90	.0055	.0274	.21	10	@225
4	.86	.37	2	-.16	.26	1.02	.46	2.24	86	.0277	.0037	.69	10	@225
4	.86	.37	3	.17	.24	.69	.44	1.57	87	.1208	.3835	.02	10	@225
4	.86	.37	5	-.23	.25	1.09	.45	2.43	88	.0169	.0849	.54	10	@225
4	.86	.37	7	-.02	.07	.89	.38	2.34	53	.0234	.0203	.19	10	@225
5	-.23	.25	1	-.41	.25	.18	.35	.52	169	.6045	.9542	.00	10	@225
5	-.23	.25	2	-.16	.26	-.07	.36	-.20	140	.8440	.5649	.31	10	@225
5	-.23	.25	3	.17	.24	-.40	.34	-1.16	160	.2478	.8174	-.35	10	@225
5	-.23	.25	4	.86	.37	-1.09	.45	-2.43	88	.0169	.0849	-.54	10	@225

5	-.23	.25	7	-.02	.07	-.21	.26	-.80	125	.4224	.4784	-.08	10	@225
7	-.02	.07	1	-.41	.25	.39	.25	1.52	146	.1297	.2410	.03	10	@225
7	-.02	.07	2	-.16	.26	.14	.27	.50	99	.6160	.3860	.42	10	@225
7	-.02	.07	3	.17	.24	-.19	.25	-.78	132	.4375	.7338	-.17	10	@225
7	-.02	.07	4	.86	.37	-.89	.38	-2.34	53	.0234	.0203	-.19	10	@225
7	-.02	.07	5	-.23	.25	.21	.26	.80	125	.4224	.4784	.08	10	@225
1	-.80	.27	2	-.78	.27	-.02	.38	-.05	150	.9584	.6758	.19	11	@226
1	-.80	.27	3	-.88	.24	.08	.36	.23	173	.8178	.8754	.12	11	@226
1	-.80	.27	4	-1.02	.35	.22	.44	.49	96	.6251	.3983	.10	11	@226
1	-.80	.27	5	-.97	.27	.17	.38	.43	169	.6664	.7184	.07	11	@226
1	-.80	.27	7	-.64	.07	-.16	.27	-.58	144	.5626	.5985	.22	11	@226
2	-.78	.27	1	-.80	.27	.02	.38	.05	150	.9584	.6758	-.19	11	@226
2	-.78	.27	3	-.88	.24	.10	.36	.28	141	.7766	.8741	-.15	11	@226
2	-.78	.27	4	-1.02	.35	.24	.44	.53	89	.5952	.9821	-.30	11	@226
2	-.78	.27	5	-.97	.27	.18	.38	.48	141	.6311	.3066	.11	11	@226
2	-.78	.27	7	-.64	.07	-.14	.28	-.50	100	.6153	.5646	-.06	11	@226
3	-.88	.24	1	-.80	.27	-.08	.36	-.23	173	.8178	.8754	-.12	11	@226
3	-.88	.24	2	-.78	.27	-.10	.36	-.28	141	.7766	.8741	.15	11	@226
3	-.88	.24	4	-1.02	.35	.13	.43	.31	90	.7556	.6661	-.21	11	@226
3	-.88	.24	5	-.97	.27	.08	.37	.22	159	.8226	.7268	-.29	11	@226
3	-.88	.24	7	-.64	.07	-.24	.25	-.97	134	.3363	.4186	.01	11	@226
4	-1.02	.35	1	-.80	.27	-.22	.44	-.49	96	.6251	.3983	-.10	11	@226
4	-1.02	.35	2	-.78	.27	-.24	.44	-.53	89	.5952	.9821	.30	11	@226
4	-1.02	.35	3	-.88	.24	-.13	.43	-.31	90	.7556	.6661	.21	11	@226
4	-1.02	.35	5	-.97	.27	-.05	.45	-.11	95	.9091	.7108	-.32	11	@226
4	-1.02	.35	7	-.64	.07	-.38	.36	-1.05	55	.2989	.1378	-.09	11	@226
5	-.97	.27	1	-.80	.27	-.17	.38	-.43	169	.6664	.7184	-.07	11	@226
5	-.97	.27	2	-.78	.27	-.18	.38	-.48	141	.6311	.3066	-.11	11	@226
5	-.97	.27	3	-.88	.24	-.08	.37	-.22	159	.8226	.7268	.29	11	@226
5	-.97	.27	4	-1.02	.35	.05	.45	.11	95	.9091	.7108	.32	11	@226
5	-.97	.27	7	-.64	.07	-.32	.28	-1.15	122	.2536	.3159	.05	11	@226
7	-.64	.07	1	-.80	.27	.16	.27	.58	144	.5626	.5985	-.22	11	@226
7	-.64	.07	2	-.78	.27	.14	.28	.50	100	.6153	.5646	.06	11	@226
7	-.64	.07	3	-.88	.24	.24	.25	.97	134	.3363	.4186	-.01	11	@226
7	-.64	.07	4	-1.02	.35	.38	.36	1.05	55	.2989	.1378	.09	11	@226
7	-.64	.07	5	-.97	.27	.32	.28	1.15	122	.2536	.3159	-.05	11	@226
1	1.07	.23	2	-.09	.26	1.16	.35	3.34	146	.0011	.2528	1.09	12	@236
1	1.07	.23	3	.28	.24	.79	.33	2.38	172	.0185	.3383	.23	12	@236
1	1.07	.23	4	.60	.36	.47	.42	1.12	89	.2669	.7186	.66	12	@236
1	1.07	.23	5	.61	.25	.46	.34	1.37	168	.1719	.4852	.45	12	@236
1	1.07	.23	7	.81	.07	.26	.24	1.09	153	.2757	.2353	-.23	12	@236
2	-.09	.26	1	1.07	.23	-1.16	.35	-3.34	146	.0011	.2528	-1.09	12	@236
2	-.09	.26	3	.28	.24	-.37	.36	-1.05	141	.2955	.8203	.39	12	@236
2	-.09	.26	4	.60	.36	-.69	.44	-1.55	88	.1240	.1247	-.91	12	@236
2	-.09	.26	5	.61	.25	-.70	.36	-1.95	140	.0535	.4065	-.05	12	@236
2	-.09	.26	7	.81	.07	-.90	.27	-3.33	101	.0012	.0740	-.75	12	@236
3	.28	.24	1	1.07	.23	-.79	.33	-2.38	172	.0185	.3383	-.23	12	@236
3	.28	.24	2	-.09	.26	.37	.36	1.05	141	.2955	.8203	-.39	12	@236
3	.28	.24	4	.60	.36	-.31	.43	-.73	89	.4668	.3753	-.46	12	@236
3	.28	.24	5	.61	.25	-.33	.34	-.95	160	.3431	.3548	.15	12	@236
3	.28	.24	7	.81	.07	-.53	.25	-2.11	134	.0365	.5197	-.53	12	@236
4	.60	.36	1	1.07	.23	-.47	.42	-1.12	89	.2669	.7186	-.66	12	@236
4	.60	.36	2	-.09	.26	.69	.44	1.55	88	.1240	.1247	.91	12	@236
4	.60	.36	3	.28	.24	.31	.43	.73	89	.4668	.3753	.46	12	@236
4	.60	.36	5	.61	.25	-.01	.43	-.03	90	.9767	.2704	.33	12	@236
4	.60	.36	7	.81	.07	-.21	.36	-.59	55	.5604	.6686	-.17	12	@236
5	.61	.25	1	1.07	.23	-.46	.34	-1.37	168	.1719	.4852	-.45	12	@236
5	.61	.25	2	-.09	.26	.70	.36	1.95	140	.0535	.4065	.05	12	@236
5	.61	.25	3	.28	.24	.33	.34	.95	160	.3431	.3548	-.15	12	@236
5	.61	.25	4	.60	.36	.01	.43	.03	90	.9767	.2704	-.33	12	@236
5	.61	.25	7	.81	.07	-.20	.26	-.78	127	.4348	.2354	-.53	12	@236
7	.81	.07	1	1.07	.23	-.26	.24	-1.09	153	.2757	.2353	.23	12	@236
7	.81	.07	2	-.09	.26	.90	.27	3.33	101	.0012	.0740	.75	12	@236
7	.81	.07	3	.28	.24	.53	.25	2.11	134	.0365	.5197	.53	12	@236
7	.81	.07	4	.60	.36	.21	.36	.59	55	.5604	.6686	.17	12	@236
7	.81	.07	5	.61	.25	.20	.26	.78	127	.4348	.2354	.53	12	@236
1	-1.69	.35	2	-.78	.27	-.91	.44	-2.09	155	.0386	.2065	-.28	13	@239
1	-1.69	.35	3	-1.13	.25	-.57	.43	-1.34	172	.1836	.7117	-.03	13	@239
1	-1.69	.35	4	-.44	.33	-1.26	.48	-2.62	111	.0101	.0355	-1.17	13	@239
1	-1.69	.35	5	-.89	.27	-.80	.44	-1.83	170	.0693	.0311	-.58	13	@239
1	-1.69	.35	7	-.90	.07	-.80	.35	-2.26	133	.0253	.0195	-.01	13	@239
2	-.78	.27	1	-1.69	.35	.91	.44	2.09	155	.0386	.2065	.28	13	@239
2	-.78	.27	3	-1.13	.25	.34	.37	.94	142	.3504	.5142	.38	13	@239
2	-.78	.27	4	-.44	.33	-.34	.43	-.80	91	.4240	.7003	-.25	13	@239
2	-.78	.27	5	-.89	.27	.11	.38	.29	141	.7723	.5739	-.07	13	@239
2	-.78	.27	7	-.90	.07	.11	.28	.41	102	.6805	.7565	.21	13	@239

3	-1.13	.25	1	-1.69	.35	.57	.43	1.34	172	.1836	.7117	.03	13 @239
3	-1.13	.25	2	-.78	.27	-.34	.37	-.94	142	.3504	.5142	-.38	13 @239
3	-1.13	.25	4	-.44	.33	-.69	.42	-1.65	94	.1023	.0593	-1.19	13 @239
3	-1.13	.25	5	-.89	.27	-.23	.37	-.63	160	.5277	.8042	-.22	13 @239
3	-1.13	.25	7	-.90	.07	-.23	.26	-.88	134	.3798	.4773	.11	13 @239
4	-.44	.33	1	-1.69	.35	1.26	.48	2.62	111	.0101	.0355	1.17	13 @239
4	-.44	.33	2	-.78	.27	.34	.43	.80	91	.4240	.7003	.25	13 @239
4	-.44	.33	3	-1.13	.25	.69	.42	1.65	94	.1023	.0593	1.19	13 @239
4	-.44	.33	5	-.89	.27	.45	.43	1.06	96	.2927	.6739	.32	13 @239
4	-.44	.33	7	-.90	.07	.46	.34	1.34	57	.1841	.1657	.50	13 @239
5	-.89	.27	1	-1.69	.35	.80	.44	1.83	170	.0693	.0311	.58	13 @239
5	-.89	.27	2	-.78	.27	-.11	.38	-.29	141	.7723	.5739	.07	13 @239
5	-.89	.27	3	-1.13	.25	.23	.37	.63	160	.5277	.8042	.22	13 @239
5	-.89	.27	4	-.44	.33	-.45	.43	-1.06	96	.2927	.6739	-.32	13 @239
5	-.89	.27	7	-.90	.07	.00	.28	.02	125	.9880	.9227	.59	13 @239
7	-.90	.07	1	-1.69	.35	.80	.35	2.26	133	.0253	.0195	.01	13 @239
7	-.90	.07	2	-.78	.27	-.11	.28	-.41	102	.6805	.7565	-.21	13 @239
7	-.90	.07	3	-1.13	.25	.23	.26	.88	134	.3798	.4773	-.11	13 @239
7	-.90	.07	4	-.44	.33	-.46	.34	-1.34	57	.1841	.1657	-.50	13 @239
7	-.90	.07	5	-.89	.27	.00	.28	-.02	125	.9880	.9227	-.59	13 @239
1	-.18	.24	2	-.30	.26	.12	.35	.34	148	.7307	.8814	-.66	14 @255
1	-.18	.24	3	-.44	.23	.26	.33	.77	173	.4401	.2432	.10	14 @255
1	-.18	.24	4	-.44	.33	.26	.41	.64	94	.5258	.6607	.15	14 @255
1	-.18	.24	5	-.55	.26	.37	.35	1.06	168	.2921	.4827	.06	14 @255
1	-.18	.24	7	-.28	.07	.10	.25	.40	149	.6908	.8826	.10	14 @255
2	-.30	.26	1	-.18	.24	-.12	.35	-.34	148	.7307	.8814	.66	14 @255
2	-.30	.26	3	-.44	.23	.14	.35	.39	141	.6982	.4835	.04	14 @255
2	-.30	.26	4	-.44	.33	.14	.42	.33	90	.7435	.9114	.60	14 @255
2	-.30	.26	5	-.55	.26	.25	.37	.68	141	.4997	.2266	.78	14 @255
2	-.30	.26	7	-.28	.07	-.02	.27	-.09	100	.9308	.9722	.11	14 @255
3	-.44	.23	1	-.18	.24	-.26	.33	-.77	173	.4401	.2432	-.10	14 @255
3	-.44	.23	2	-.30	.26	-.14	.35	-.39	141	.6982	.4835	-.04	14 @255
3	-.44	.23	4	-.44	.33	.00	.41	.01	91	.9945	.7568	-.10	14 @255
3	-.44	.23	5	-.55	.26	.11	.35	.32	160	.7485	.6141	-.12	14 @255
3	-.44	.23	7	-.28	.07	-.16	.24	-.66	134	.5123	.4005	-.01	14 @255
4	-.44	.33	1	-.18	.24	-.26	.41	-.64	94	.5258	.6607	-.15	14 @255
4	-.44	.33	2	-.30	.26	-.14	.42	-.33	90	.7435	.9114	-.60	14 @255
4	-.44	.33	3	-.44	.23	.00	.41	-.01	91	.9945	.7568	.10	14 @255
4	-.44	.33	5	-.55	.26	.11	.42	.26	94	.7968	.3000	.03	14 @255
4	-.44	.33	7	-.28	.07	-.16	.34	-.48	55	.6346	.4782	-.26	14 @255
5	-.55	.26	1	-.18	.24	-.37	.35	-1.06	168	.2921	.4827	-.06	14 @255
5	-.55	.26	2	-.30	.26	-.25	.37	-.68	141	.4997	.2266	-.78	14 @255
5	-.55	.26	3	-.44	.23	-.11	.35	-.32	160	.7485	.6141	.12	14 @255
5	-.55	.26	4	-.44	.33	-.11	.42	-.26	94	.7968	.3000	-.03	14 @255
5	-.55	.26	7	-.28	.07	-.27	.26	-1.02	124	.3078	.3344	.00	14 @255
7	-.28	.07	1	-.18	.24	-.10	.25	-.40	149	.6908	.8826	-.10	14 @255
7	-.28	.07	2	-.30	.26	.02	.27	.09	100	.9308	.9722	-.11	14 @255
7	-.28	.07	3	-.44	.23	.16	.24	.66	134	.5123	.4005	.01	14 @255
7	-.28	.07	4	-.44	.33	.16	.34	.48	55	.6346	.4782	.26	14 @255
7	-.28	.07	5	-.55	.26	.27	.26	1.02	124	.3078	.3344	.00	14 @255
1	.91	.23	2	.79	.29	.12	.37	.33	142	.7403	.5124	-.20	15 @262
1	.91	.23	3	.64	.25	.27	.34	.80	171	.4219	.6859	-.03	15 @262
1	.91	.23	4	.23	.34	.68	.41	1.67	90	.0993	.4026	.16	15 @262
1	.91	.23	5	.98	.25	-.07	.34	-.20	168	.8434	.7063	-.01	15 @262
1	.91	.23	7	1.11	.07	-.20	.24	-.82	157	.4112	.3995	-.34	15 @262
2	.79	.29	1	.91	.23	-.12	.37	-.33	142	.7403	.5124	.20	15 @262
2	.79	.29	3	.64	.25	.15	.38	.39	140	.6945	.4865	-.32	15 @262
2	.79	.29	4	.23	.34	.56	.45	1.25	92	.2132	.4854	.09	15 @262
2	.79	.29	5	.98	.25	-.19	.38	-.49	139	.6234	.7057	.17	15 @262
2	.79	.29	7	1.11	.07	-.32	.30	-1.07	98	.2881	.3585	-.88	15 @262
3	.64	.25	1	.91	.23	-.27	.34	-.80	171	.4219	.6859	.03	15 @262
3	.64	.25	2	.79	.29	-.15	.38	-.39	140	.6945	.4865	.32	15 @262
3	.64	.25	4	.23	.34	.41	.42	.97	93	.3366	.2791	.46	15 @262
3	.64	.25	5	.98	.25	-.34	.36	-.95	160	.3432	.3731	-.02	15 @262
3	.64	.25	7	1.11	.07	-.47	.26	-1.79	133	.0756	.1988	-.61	15 @262
4	.23	.34	1	.91	.23	-.68	.41	-1.67	90	.0993	.4026	-.16	15 @262
4	.23	.34	2	.79	.29	-.56	.45	-1.25	92	.2132	.4854	-.09	15 @262
4	.23	.34	3	.64	.25	-.41	.42	-.97	93	.3366	.2791	-.46	15 @262
4	.23	.34	5	.98	.25	-.75	.42	-1.76	93	.0814	.7893	.23	15 @262
4	.23	.34	7	1.11	.07	-.88	.35	-2.52	56	.0147	.0166	-1.21	15 @262
5	.98	.25	1	.91	.23	.07	.34	.20	168	.8434	.7063	.01	15 @262
5	.98	.25	2	.79	.29	.19	.38	.49	139	.6234	.7057	-.17	15 @262
5	.98	.25	3	.64	.25	.34	.36	.95	160	.3432	.3731	.02	15 @262
5	.98	.25	4	.23	.34	.75	.42	1.76	93	.0814	.7893	-.23	15 @262
5	.98	.25	7	1.11	.07	-.13	.26	-.49	128	.6276	.6095	-.83	15 @262
7	1.11	.07	1	.91	.23	.20	.24	.82	157	.4112	.3995	.34	15 @262

7	1.11	.07	2	.79	.29	.32	.30	1.07	98	.2881	.3585	.88	15	@262
7	1.11	.07	3	.64	.25	.47	.26	1.79	133	.0756	.1988	.61	15	@262
7	1.11	.07	4	.23	.34	.88	.35	2.52	56	.0147	.0166	1.21	15	@262
7	1.11	.07	5	.98	.25	.13	.26	.49	128	.6276	.6095	.83	15	@262
1	.31	.23	2	.26	.27	.05	.35	.13	145	.8955	.5009	.39	16	@274
1	.31	.23	3	.77	.26	-.47	.34	-1.36	171	.1749	.5595	.05	16	@274
1	.31	.23	4	-.11	.33	.41	.40	1.02	92	.3116	.2426	.06	16	@274
1	.31	.23	5	.92	.25	-.61	.34	-1.81	168	.0723	.2799	-.21	16	@274
1	.31	.23	7	.49	.07	-.18	.24	-.77	152	.4435	.3564	.12	16	@274
2	.26	.27	1	.31	.23	-.05	.35	-.13	145	.8955	.5009	-.39	16	@274
2	.26	.27	3	.77	.26	-.51	.37	-1.38	142	.1686	.5000	-.29	16	@274
2	.26	.27	4	-.11	.33	.36	.43	.85	90	.3964	.9056	-.18	16	@274
2	.26	.27	5	.92	.25	-.66	.37	-1.80	140	.0748	.0969	-.37	16	@274
2	.26	.27	7	.49	.07	-.23	.28	-.83	99	.4102	.6027	-.35	16	@274
3	.77	.26	1	.31	.23	.47	.34	1.36	171	.1749	.5595	-.05	16	@274
3	.77	.26	2	.26	.27	.51	.37	1.38	142	.1686	.5000	.29	16	@274
3	.77	.26	4	-.11	.33	.88	.42	2.08	95	.0398	.0568	.52	16	@274
3	.77	.26	5	.92	.25	-.15	.36	-.41	160	.6841	.8116	.14	16	@274
3	.77	.26	7	.49	.07	.29	.27	1.08	128	.2840	.2641	.23	16	@274
4	-.11	.33	1	.31	.23	-.41	.40	-1.02	92	.3116	.2426	-.06	16	@274
4	-.11	.33	2	.26	.27	-.36	.43	-.85	90	.3964	.9056	.18	16	@274
4	-.11	.33	3	.77	.26	-.88	.42	-2.08	95	.0398	.0568	-.52	16	@274
4	-.11	.33	5	.92	.25	-1.02	.42	-2.45	93	.0162	.0105	-.07	16	@274
4	-.11	.33	7	.49	.07	-.59	.34	-1.74	55	.0871	.1083	-.43	16	@274
5	.92	.25	1	.31	.23	.61	.34	1.81	168	.0723	.2799	.21	16	@274
5	.92	.25	2	.26	.27	.66	.37	1.80	140	.0748	.0969	.37	16	@274
5	.92	.25	3	.77	.26	.15	.36	.41	160	.6841	.8116	-.14	16	@274
5	.92	.25	4	-.11	.33	1.02	.42	2.45	93	.0162	.0105	.07	16	@274
5	.92	.25	7	.49	.07	.43	.26	1.66	125	.0997	.1079	.26	16	@274
7	.49	.07	1	.31	.23	.18	.24	.77	152	.4435	.3564	-.12	16	@274
7	.49	.07	2	.26	.27	.23	.28	.83	99	.4102	.6027	.35	16	@274
7	.49	.07	3	.77	.26	-.29	.27	-1.08	128	.2840	.2641	-.23	16	@274
7	.49	.07	4	-.11	.33	.59	.34	1.74	55	.0871	.1083	.43	16	@274
7	.49	.07	5	.92	.25	-.43	.26	-1.66	125	.0997	.1079	-.26	16	@274
1	.56	.23	2	.48	.27	.08	.35	.23	144	.8185	.2552	-.11	17	@278
1	.56	.23	3	.64	.25	-.08	.34	-.24	171	.8071	.3754	-.60	17	@278
1	.56	.23	4	.73	.36	-.17	.43	-.39	87	.6982	.2879	.69	17	@278
1	.56	.23	5	.25	.24	.31	.33	.93	168	.3534	.1739	.15	17	@278
1	.56	.23	7	.69	.07	-.13	.23	-.54	153	.5896	.8035	-.19	17	@278
2	.48	.27	1	.56	.23	-.08	.35	-.23	144	.8185	.2552	.11	17	@278
2	.48	.27	3	.64	.25	-.16	.37	-.44	141	.6598	.8007	-.53	17	@278
2	.48	.27	4	.73	.36	-.25	.46	-.54	89	.5876	.9530	+.	17	@278
2	.48	.27	5	.25	.24	.23	.37	.62	139	.5368	.8226	.23	17	@278
2	.48	.27	7	.69	.07	-.21	.28	-.74	98	.4619	.3997	-.27	17	@278
3	.64	.25	1	.56	.23	.08	.34	.24	171	.8071	.3754	.60	17	@278
3	.64	.25	2	.48	.27	.16	.37	.44	141	.6598	.8007	.53	17	@278
3	.64	.25	4	.73	.36	-.08	.44	-.19	90	.8498	.5816	.43	17	@278
3	.64	.25	5	.25	.24	.39	.35	1.12	160	.2653	.2095	.63	17	@278
3	.64	.25	7	.69	.07	-.04	.26	-.17	130	.8646	.7618	-.17	17	@278
4	.73	.36	1	.56	.23	.17	.43	.39	87	.6982	.2879	-.69	17	@278
4	.73	.36	2	.48	.27	.25	.46	.54	89	.5876	.9530	-.	17	@278
4	.73	.36	3	.64	.25	.08	.44	.19	90	.8498	.5816	-.43	17	@278
4	.73	.36	5	.25	.24	.48	.44	1.08	88	.2810	.8806	-.29	17	@278
4	.73	.36	7	.69	.07	.04	.37	.11	54	.9152	.9108	-.61	17	@278
5	.25	.24	1	.56	.23	-.31	.33	-.93	168	.3534	.1739	-.15	17	@278
5	.25	.24	2	.48	.27	-.23	.37	-.62	139	.5368	.8226	-.23	17	@278
5	.25	.24	3	.64	.25	-.39	.35	-1.12	160	.2653	.2095	-.63	17	@278
5	.25	.24	4	.73	.36	-.48	.44	-1.08	88	.2810	.8806	.29	17	@278
5	.25	.24	7	.69	.07	-.44	.25	-1.72	127	.0871	.1026	-.51	17	@278
7	.69	.07	1	.56	.23	.13	.23	.54	153	.5896	.8035	.19	17	@278
7	.69	.07	2	.48	.27	.21	.28	.74	98	.4619	.3997	.27	17	@278
7	.69	.07	3	.64	.25	.04	.26	.17	130	.8646	.7618	.17	17	@278
7	.69	.07	4	.73	.36	-.04	.37	-.11	54	.9152	.9108	.61	17	@278
7	.69	.07	5	.25	.24	.44	.25	1.72	127	.0871	.1026	.51	17	@278
1	-.01	.23	2	.19	.27	-.20	.35	-.56	146	.5740	.8954	-.16	18	@279
1	-.01	.23	3	.00	.23	-.01	.33	-.04	173	.9681	.7085	.53	18	@279
1	-.01	.23	4	-.44	.33	.43	.41	1.05	93	.2970	.0706	.54	18	@279
1	-.01	.23	5	-.05	.25	.04	.34	.10	169	.9168	.6729	-.14	18	@279
1	-.01	.23	7	-.28	.07	.27	.24	1.13	150	.2615	.0809	.50	18	@279
2	.19	.27	1	-.01	.23	.20	.35	.56	146	.5740	.8954	.16	18	@279
2	.19	.27	3	.00	.23	.19	.35	.52	141	.6011	.9872	-.16	18	@279
2	.19	.27	4	-.44	.33	.63	.43	1.47	90	.1458	.4269	1.15	18	@279
2	.19	.27	5	-.05	.25	.23	.36	.65	140	.5179	.7026	.20	18	@279
2	.19	.27	7	-.28	.07	.47	.27	1.72	99	.0880	.1183	.44	18	@279
3	.00	.23	1	-.01	.23	.01	.33	.04	173	.9681	.7085	-.53	18	@279
3	.00	.23	2	.19	.27	-.19	.35	-.52	141	.6011	.9872	.16	18	@279

3	.00	.23	4	-.44	.33	.44	.41	1.08	91	.2838	.1414	.08	18	@279
3	.00	.23	5	-.05	.25	.05	.34	.14	160	.8863	.9819	-.48	18	@279
3	.00	.23	7	-.28	.07	.29	.24	1.17	133	.2431	.4161	.04	18	@279
4	-.44	.33	1	-.01	.23	-.43	.41	-1.05	93	.2970	.0706	-.54	18	@279
4	-.44	.33	2	.19	.27	-.63	.43	-1.47	90	.1458	.4269	-1.15	18	@279
4	-.44	.33	3	.00	.23	-.44	.41	-1.08	91	.2838	.1414	-.08	18	@279
4	-.44	.33	5	-.05	.25	-.39	.41	-.94	92	.3472	.1682	.06	18	@279
4	-.44	.33	7	-.28	.07	-.15	.34	-.45	55	.6530	.3125	-.27	18	@279
5	-.05	.25	1	-.01	.23	-.04	.34	-.10	169	.9168	.6729	.14	18	@279
5	-.05	.25	2	.19	.27	-.23	.36	-.65	140	.5179	.7026	-.20	18	@279
5	-.05	.25	3	.00	.23	-.05	.34	-.14	160	.8863	.9819	.48	18	@279
5	-.05	.25	4	-.44	.33	.39	.41	.94	92	.3472	.1682	-.06	18	@279
5	-.05	.25	7	-.28	.07	.24	.25	.93	126	.3518	.2526	.43	18	@279
7	-.28	.07	1	-.01	.23	-.27	.24	-1.13	150	.2615	.0809	-.50	18	@279
7	-.28	.07	2	.19	.27	-.47	.27	-1.72	99	.0880	.1183	-.44	18	@279
7	-.28	.07	3	.00	.23	-.29	.24	-1.17	133	.2431	.4161	-.04	18	@279
7	-.28	.07	4	-.44	.33	.15	.34	.45	55	.6530	.3125	.27	18	@279
7	-.28	.07	5	-.05	.25	-.24	.25	-.93	126	.3518	.2526	-.43	18	@279
1	-.41	.25	2	.05	.26	-.46	.36	-1.27	149	.2052	.4822	-.47	19	@280
1	-.41	.25	3	-.55	.24	.13	.34	.40	173	.6932	.1129	.94	19	@280
1	-.41	.25	4	-.44	.33	.03	.41	.07	95	.9476	.9105	.80	19	@280
1	-.41	.25	5	.13	.24	-.54	.35	-1.57	170	.1187	.1045	-.67	19	@280
1	-.41	.25	7	-.26	.07	-.15	.25	-.59	147	.5538	.7623	.21	19	@280
2	.05	.26	1	-.41	.25	.46	.36	1.27	149	.2052	.4822	.47	19	@280
2	.05	.26	3	-.55	.24	.59	.35	1.68	141	.0951	.0953	.40	19	@280
2	.05	.26	4	-.44	.33	.49	.43	1.14	90	.2559	.1738	1.25	19	@280
2	.05	.26	5	.13	.24	-.08	.36	-.24	140	.8137	.9013	-.16	19	@280
2	.05	.26	7	-.26	.07	.31	.27	1.13	99	.2603	.2696	.27	19	@280
3	-.55	.24	1	-.41	.25	-.13	.34	-.40	173	.6932	.1129	-.94	19	@280
3	-.55	.24	2	.05	.26	-.59	.35	-1.68	141	.0951	.0953	-.40	19	@280
3	-.55	.24	4	-.44	.33	-.11	.41	-.26	91	.7935	.5521	-.02	19	@280
3	-.55	.24	5	.13	.24	-.68	.34	-2.00	160	.0471	.0304	-.23	19	@280
3	-.55	.24	7	-.26	.07	-.29	.24	-1.17	133	.2440	.2304	-.18	19	@280
4	-.44	.33	1	-.41	.25	-.03	.41	-.07	95	.9476	.9105	-.80	19	@280
4	-.44	.33	2	.05	.26	-.49	.43	-1.14	90	.2559	.1738	-1.25	19	@280
4	-.44	.33	3	-.55	.24	.11	.41	.26	91	.7935	.5521	.02	19	@280
4	-.44	.33	5	.13	.24	-.57	.41	-1.38	92	.1706	.4236	-.69	19	@280
4	-.44	.33	7	-.26	.07	-.18	.34	-.53	55	.6017	.6762	-.45	19	@280
5	.13	.24	1	-.41	.25	.54	.35	1.57	170	.1187	.1045	.67	19	@280
5	.13	.24	2	.05	.26	.08	.36	.24	140	.8137	.9013	.16	19	@280
5	.13	.24	3	-.55	.24	.68	.34	2.00	160	.0471	.0304	.23	19	@280
5	.13	.24	4	-.44	.33	.57	.41	1.38	92	.1706	.4236	.69	19	@280
5	.13	.24	7	-.26	.07	.39	.25	1.55	126	.1232	.0803	.42	19	@280
7	-.26	.07	1	-.41	.25	.15	.25	.59	147	.5538	.7623	-.21	19	@280
7	-.26	.07	2	.05	.26	-.31	.27	-1.13	99	.2603	.2696	-.27	19	@280
7	-.26	.07	3	-.55	.24	.29	.24	1.17	133	.2440	.2304	.18	19	@280
7	-.26	.07	4	-.44	.33	.18	.34	.53	55	.6017	.6762	.45	19	@280
7	-.26	.07	5	.13	.24	-.39	.25	-1.55	126	.1232	.0803	-.42	19	@280
1	-.12	.24	2	.19	.27	-.31	.36	-.87	147	.3860	.2964	-.22	20	@281
1	-.12	.24	3	-.38	.23	.26	.33	.78	173	.4357	.2846	.19	20	@281
1	-.12	.24	4	-.33	.33	.21	.41	.50	93	.6149	.2022	.44	20	@281
1	-.12	.24	5	-.68	.26	.56	.35	1.59	168	.1138	.1473	.20	20	@281
1	-.12	.24	7	-.45	.07	.33	.25	1.35	150	.1778	.0447	.51	20	@281
2	.19	.27	1	-.12	.24	.31	.36	.87	147	.3860	.2964	.22	20	@281
2	.19	.27	3	-.38	.23	.57	.35	1.61	140	.1105	.1486	.27	20	@281
2	.19	.27	4	-.33	.33	.51	.43	1.21	90	.2299	.4281	.36	20	@281
2	.19	.27	5	-.68	.26	.87	.37	2.33	141	.0212	.0425	.60	20	@281
2	.19	.27	7	-.45	.07	.64	.27	2.34	100	.0214	.0493	.53	20	@281
3	-.38	.23	1	-.12	.24	-.26	.33	-.78	173	.4357	.2846	-.19	20	@281
3	-.38	.23	2	.19	.27	-.57	.35	-1.61	140	.1105	.1486	-.27	20	@281
3	-.38	.23	4	-.33	.33	-.05	.41	-.13	91	.8956	.8897	.09	20	@281
3	-.38	.23	5	-.68	.26	.30	.35	.86	160	.3932	.6696	.15	20	@281
3	-.38	.23	7	-.45	.07	.07	.24	.30	135	.7655	.9085	.03	20	@281
4	-.33	.33	1	-.12	.24	-.21	.41	-.50	93	.6149	.2022	-.44	20	@281
4	-.33	.33	2	.19	.27	-.51	.43	-1.21	90	.2299	.4281	-.36	20	@281
4	-.33	.33	3	-.38	.23	.05	.41	.13	91	.8956	.8897	-.09	20	@281
4	-.33	.33	5	-.68	.26	.35	.42	.84	95	.4054	.4677	.08	20	@281
4	-.33	.33	7	-.45	.07	.13	.34	.37	56	.7116	.9456	-.17	20	@281
5	-.68	.26	1	-.12	.24	-.56	.35	-1.59	168	.1138	.1473	-.20	20	@281
5	-.68	.26	2	.19	.27	-.87	.37	-2.33	141	.0212	.0425	-.60	20	@281
5	-.68	.26	3	-.38	.23	-.30	.35	-.86	160	.3932	.6696	-.15	20	@281
5	-.68	.26	4	-.33	.33	-.35	.42	-.84	95	.4054	.4677	-.08	20	@281
5	-.68	.26	7	-.45	.07	-.23	.27	-.84	124	.4008	.4451	-.06	20	@281
7	-.45	.07	1	-.12	.24	-.33	.25	-1.35	150	.1778	.0447	-.51	20	@281
7	-.45	.07	2	.19	.27	-.64	.27	-2.34	100	.0214	.0493	-.53	20	@281
7	-.45	.07	3	-.38	.23	-.07	.24	-.30	135	.7655	.9085	-.03	20	@281

7	-.45	.07	4	-.33	.33	-.13	.34	-.37	56	.7116	.9456	.17	20	@281
7	-.45	.07	5	-.68	.26	.23	.27	.84	124	.4008	.4451	.06	20	@281
1	-.80	.27	2	-.50	.26	-.30	.37	-.81	151	.4217	.9591	-.69	21	@282
1	-.80	.27	3	-.33	.23	-.48	.35	-1.34	173	.1808	.4837	.07	21	@282
1	-.80	.27	4	-.22	.33	-.59	.43	-1.37	99	.1726	.6229	-.92	21	@282
1	-.80	.27	5	-.55	.26	-.26	.37	-.69	170	.4911	.9701	-.06	21	@282
1	-.80	.27	7	-.70	.07	-.10	.28	-.36	145	.7230	.6688	.13	21	@282
2	-.50	.26	1	-.80	.27	.30	.37	.81	151	.4217	.9591	.69	21	@282
2	-.50	.26	3	-.33	.23	-.17	.35	-.50	141	.6206	.3331	-.11	21	@282
2	-.50	.26	4	-.22	.33	-.28	.42	-.67	90	.5047	.1094	-1.00	21	@282
2	-.50	.26	5	-.55	.26	.05	.37	.13	141	.8998	.9236	.12	21	@282
2	-.50	.26	7	-.70	.07	.20	.27	.75	101	.4553	.9009	.22	21	@282
3	-.33	.23	1	-.80	.27	.48	.35	1.34	173	.1808	.4837	-.07	21	@282
3	-.33	.23	2	-.50	.26	.17	.35	.50	141	.6206	.3331	.11	21	@282
3	-.33	.23	4	-.22	.33	-.11	.41	-.27	91	.7879	.9952	.24	21	@282
3	-.33	.23	5	-.55	.26	.22	.35	.64	160	.5255	.7222	-.53	21	@282
3	-.33	.23	7	-.70	.07	.38	.24	1.55	136	.1228	.3599	.04	21	@282
4	-.22	.33	1	-.80	.27	.59	.43	1.37	99	.1726	.6229	.92	21	@282
4	-.22	.33	2	-.50	.26	.28	.42	.67	90	.5047	.1094	1.00	21	@282
4	-.22	.33	3	-.33	.23	.11	.41	.27	91	.7879	.9952	-.24	21	@282
4	-.22	.33	5	-.55	.26	.33	.42	.79	94	.4337	.6723	.62	21	@282
4	-.22	.33	7	-.70	.07	.49	.34	1.44	56	.1568	.2623	.76	21	@282
5	-.55	.26	1	-.80	.27	.26	.37	.69	170	.4911	.9701	.06	21	@282
5	-.55	.26	2	-.50	.26	-.05	.37	-.13	141	.8998	.9236	-.12	21	@282
5	-.55	.26	3	-.33	.23	-.22	.35	-.64	160	.5255	.7222	.53	21	@282
5	-.55	.26	4	-.22	.33	-.33	.42	-.79	94	.4337	.6723	-.62	21	@282
5	-.55	.26	7	-.70	.07	.16	.27	.59	126	.5546	.4976	.29	21	@282
7	-.70	.07	1	-.80	.27	.10	.28	.36	145	.7230	.6688	-.13	21	@282
7	-.70	.07	2	-.50	.26	-.20	.27	-.75	101	.4553	.9009	-.22	21	@282
7	-.70	.07	3	-.33	.23	-.38	.24	-1.55	136	.1228	.3599	-.04	21	@282
7	-.70	.07	4	-.22	.33	-.49	.34	-1.44	56	.1568	.2623	-.76	21	@282
7	-.70	.07	5	-.55	.26	-.16	.27	-.59	126	.5546	.4976	-.29	21	@282
1	.20	.23	2	.26	.27	-.06	.35	-.16	145	.8702	.6018	-.10	22	@295
1	.20	.23	3	.34	.24	-.14	.33	-.42	172	.6752	.8186	-.31	22	@295
1	.20	.23	4	-.11	.33	.31	.40	.76	92	.4500	.7328	-.11	22	@295
1	.20	.23	5	.01	.24	.19	.33	.56	168	.5753	.5863	.24	22	@295
1	.20	.23	7	.12	.07	.08	.24	.35	150	.7279	.5412	-.03	22	@295
2	.26	.27	1	.20	.23	.06	.35	.16	145	.8702	.6018	.10	22	@295
2	.26	.27	3	.34	.24	-.08	.36	-.23	141	.8204	.8670	-.71	22	@295
2	.26	.27	4	-.11	.33	.36	.43	.85	90	.3964	.3562	.72	22	@295
2	.26	.27	5	.01	.24	.25	.36	.68	139	.4993	.6122	.14	22	@295
2	.26	.27	7	.12	.07	.14	.28	.51	98	.6112	.5868	-.10	22	@295
3	.34	.24	1	.20	.23	.14	.33	.42	172	.6752	.8186	.31	22	@295
3	.34	.24	2	.26	.27	.08	.36	.23	141	.8204	.8670	.71	22	@295
3	.34	.24	4	-.11	.33	.45	.41	1.08	92	.2812	.4265	.59	22	@295
3	.34	.24	5	.01	.24	.33	.34	.95	160	.3421	.7219	.62	22	@295
3	.34	.24	7	.12	.07	.22	.25	.89	131	.3753	.2468	.17	22	@295
4	-.11	.33	1	.20	.23	-.31	.40	-.76	92	.4500	.7328	.11	22	@295
4	-.11	.33	2	.26	.27	-.36	.43	-.85	90	.3964	.3562	-.72	22	@295
4	-.11	.33	3	.34	.24	-.45	.41	-1.08	92	.2812	.4265	-.59	22	@295
4	-.11	.33	5	.01	.24	-.12	.41	-.29	92	.7747	.9063	-.22	22	@295
4	-.11	.33	7	.12	.07	-.22	.34	-.66	55	.5127	.5620	-.40	22	@295
5	.01	.24	1	.20	.23	-.19	.33	-.56	168	.5753	.5863	-.24	22	@295
5	.01	.24	2	.26	.27	-.25	.36	-.68	139	.4993	.6122	-.14	22	@295
5	.01	.24	3	.34	.24	-.33	.34	-.95	160	.3421	.7219	-.62	22	@295
5	.01	.24	4	-.11	.33	.12	.41	.29	92	.7747	.9063	.22	22	@295
5	.01	.24	7	.12	.07	-.11	.25	-.42	126	.6788	.8530	-.25	22	@295
7	.12	.07	1	.20	.23	-.08	.24	-.35	150	.7279	.5412	.03	22	@295
7	.12	.07	2	.26	.27	-.14	.28	-.51	98	.6112	.5868	.10	22	@295
7	.12	.07	3	.34	.24	-.22	.25	-.89	131	.3753	.2468	-.17	22	@295
7	.12	.07	4	-.11	.33	.22	.34	.66	55	.5127	.5620	.40	22	@295
7	.12	.07	5	.01	.24	.11	.25	.42	126	.6788	.8530	.25	22	@295
1	-1.03	.28	2	-.85	.27	-.17	.39	-.44	151	.6616	.7221	-.82	23	@296
1	-1.03	.28	3	-.71	.24	-.31	.37	-.85	173	.3960	.3690	-.10	23	@296
1	-1.03	.28	4	-.22	.33	-.81	.44	-1.86	101	.0661	.0501	-.98	23	@296
1	-1.03	.28	5	-.48	.25	-.54	.38	-1.44	170	.1530	.2303	-.06	23	@296
1	-1.03	.28	7	-.84	.07	-.18	.29	-.64	143	.5252	.9449	.13	23	@296
2	-.85	.27	1	-1.03	.28	.17	.39	.44	151	.6616	.7221	.82	23	@296
2	-.85	.27	3	-.71	.24	-.14	.36	-.39	140	.6938	.2642	-.07	23	@296
2	-.85	.27	4	-.22	.33	-.64	.43	-1.49	91	.1402	.2182	-.18	23	@296
2	-.85	.27	5	-.48	.25	-.37	.37	-1.00	140	.3168	.1166	-.06	23	@296
2	-.85	.27	7	-.84	.07	-.01	.28	-.05	101	.9616	.5358	.20	23	@296
3	-.71	.24	1	-1.03	.28	.31	.37	.85	173	.3960	.3690	.10	23	@296
3	-.71	.24	2	-.85	.27	.14	.36	.39	140	.6938	.2642	.07	23	@296
3	-.71	.24	4	-.22	.33	-.50	.41	-1.21	92	.2280	.4421	-.30	23	@296
3	-.71	.24	5	-.48	.25	-.23	.35	-.66	160	.5078	.5563	.01	23	@296

3	-.71	.24	7	-.84	.07	.13	.25	.52	137	.6047	.8788	-.16	23	@296
4	-.22	.33	1	-1.03	.28	.81	.44	1.86	101	.0661	.0501	.98	23	@296
4	-.22	.33	2	-.85	.27	.64	.43	1.49	91	.1402	.2182	.18	23	@296
4	-.22	.33	3	-.71	.24	.50	.41	1.21	92	.2280	.4421	.30	23	@296
4	-.22	.33	5	-.48	.25	.27	.42	.63	94	.5283	.8535	.26	23	@296
4	-.22	.33	7	-.84	.07	.62	.34	1.84	57	.0714	.1560	.40	23	@296
5	-.48	.25	1	-1.03	.28	.54	.38	1.44	170	.1530	.2303	.06	23	@296
5	-.48	.25	2	-.85	.27	.37	.37	1.00	140	.3168	.1166	.06	23	@296
5	-.48	.25	3	-.71	.24	.23	.35	.66	160	.5078	.5563	-.01	23	@296
5	-.48	.25	4	-.22	.33	-.27	.42	-.63	94	.5283	.8535	-.26	23	@296
5	-.48	.25	7	-.84	.07	.36	.26	1.36	128	.1755	.1417	.09	23	@296
7	-.84	.07	1	-1.03	.28	.18	.29	.64	143	.5252	.9449	-.13	23	@296
7	-.84	.07	2	-.85	.27	.01	.28	.05	101	.9616	.5358	-.20	23	@296
7	-.84	.07	3	-.71	.24	-.13	.25	-.52	137	.6047	.8788	.16	23	@296
7	-.84	.07	4	-.22	.33	-.62	.34	-1.84	57	.0714	.1560	-.40	23	@296
7	-.84	.07	5	-.48	.25	-.36	.26	-1.36	128	.1755	.1417	-.09	23	@296
1	-.66	.26	2	.05	.26	-.71	.37	-1.93	150	.0553	.4800	-.72	24	@297
1	-.66	.26	3	.00	.23	-.67	.35	-1.91	173	.0580	.8219	.11	24	@297
1	-.66	.26	4	.01	.34	-.67	.42	-1.59	97	.1161	.9262	.08	24	@297
1	-.66	.26	5	-.61	.26	-.05	.37	-.14	169	.8885	.6362	-.20	24	@297
1	-.66	.26	7	-.55	.07	-.12	.27	-.43	145	.6663	.8828	.30	24	@297
2	.05	.26	1	-.66	.26	.71	.37	1.93	150	.0553	.4800	.72	24	@297
2	.05	.26	3	.00	.23	.05	.35	.13	141	.8965	.7696	.60	24	@297
2	.05	.26	4	.01	.34	.04	.43	.10	90	.9223	.1949	1.01	24	@297
2	.05	.26	5	-.61	.26	.66	.37	1.79	141	.0755	.3193	.42	24	@297
2	.05	.26	7	-.55	.07	.60	.27	2.20	100	.0304	.1094	.40	24	@297
3	.00	.23	1	-.66	.26	.67	.35	1.91	173	.0580	.8219	-.11	24	@297
3	.00	.23	2	.05	.26	-.05	.35	-.13	141	.8965	.7696	-.60	24	@297
3	.00	.23	4	.01	.34	.00	.41	-.01	91	.9916	.7313	-.22	24	@297
3	.00	.23	5	-.61	.26	.62	.35	1.76	160	.0804	.2169	.18	24	@297
3	.00	.23	7	-.55	.07	.55	.24	2.25	135	.0259	.0440	.32	24	@297
4	.01	.34	1	-.66	.26	.67	.42	1.59	97	.1161	.9262	-.08	24	@297
4	.01	.34	2	.05	.26	-.04	.43	-.10	90	.9223	.1949	-1.01	24	@297
4	.01	.34	3	.00	.23	.00	.41	.01	91	.9916	.7313	.22	24	@297
4	.01	.34	5	-.61	.26	.62	.42	1.46	94	.1468	.4821	.15	24	@297
4	.01	.34	7	-.55	.07	.56	.34	1.62	56	.1099	.1678	.25	24	@297
5	-.61	.26	1	-.66	.26	.05	.37	.14	169	.8885	.6362	.20	24	@297
5	-.61	.26	2	.05	.26	-.66	.37	-1.79	141	.0755	.3193	-.42	24	@297
5	-.61	.26	3	.00	.23	-.62	.35	-1.76	160	.0804	.2169	-.18	24	@297
5	-.61	.26	4	.01	.34	-.62	.42	-1.46	94	.1468	.4821	-.15	24	@297
5	-.61	.26	7	-.55	.07	-.06	.27	-.24	125	.8111	.9028	.32	24	@297
7	-.55	.07	1	-.66	.26	.12	.27	.43	145	.6663	.8828	-.30	24	@297
7	-.55	.07	2	.05	.26	-.60	.27	-2.20	100	.0304	.1094	-.40	24	@297
7	-.55	.07	3	.00	.23	-.55	.24	-2.25	135	.0259	.0440	-.32	24	@297
7	-.55	.07	4	.01	.34	-.56	.34	-1.62	56	.1099	.1678	-.25	24	@297
7	-.55	.07	5	-.61	.26	.06	.27	.24	125	.8111	.9028	-.32	24	@297
1	-2.11	.40	2	-.50	.26	-1.61	.48	-3.35	155	.0010	.0140	-1.67	25	@301
1	-2.11	.40	3	-.60	.24	-1.51	.47	-3.23	167	.0015	.0474	-1.18	25	@301
1	-2.11	.40	4	-.33	.33	-1.78	.52	-3.41	117	.0009	.0066	-1.13	25	@301
1	-2.11	.40	5	-.82	.27	-1.29	.48	-2.67	168	.0084	.0163	-1.18	25	@301
1	-2.11	.40	7	-.87	.07	-1.24	.41	-3.03	127	.0030	.0052	-.12	25	@301
2	-.50	.26	1	-2.11	.40	1.61	.48	3.35	155	.0010	.0140	1.67	25	@301
2	-.50	.26	3	-.60	.24	.10	.35	.28	141	.7771	.8098	-.30	25	@301
2	-.50	.26	4	-.33	.33	-.17	.42	-.41	90	.6837	.7961	.59	25	@301
2	-.50	.26	5	-.82	.27	.32	.37	.85	141	.3949	.5255	-.43	25	@301
2	-.50	.26	7	-.87	.07	.37	.27	1.37	103	.1749	.4792	.14	25	@301
3	-.60	.24	1	-2.11	.40	1.51	.47	3.23	167	.0015	.0474	1.18	25	@301
3	-.60	.24	2	-.50	.26	-.10	.35	-.28	141	.7771	.8098	.30	25	@301
3	-.60	.24	4	-.33	.33	-.27	.41	-.67	91	.5041	.3790	-.30	25	@301
3	-.60	.24	5	-.82	.27	.22	.36	.62	159	.5385	.5254	.27	25	@301
3	-.60	.24	7	-.87	.07	.27	.25	1.10	138	.2716	.3490	.40	25	@301
4	-.33	.33	1	-2.11	.40	1.78	.52	3.41	117	.0009	.0066	1.13	25	@301
4	-.33	.33	2	-.50	.26	.17	.42	.41	90	.6837	.7961	-.59	25	@301
4	-.33	.33	3	-.60	.24	.27	.41	.67	91	.5041	.3790	.30	25	@301
4	-.33	.33	5	-.82	.27	.49	.43	1.16	96	.2507	.2303	-.02	25	@301
4	-.33	.33	7	-.87	.07	.55	.34	1.60	57	.1146	.2030	.47	25	@301
5	-.82	.27	1	-2.11	.40	1.29	.48	2.67	168	.0084	.0163	1.18	25	@301
5	-.82	.27	2	-.50	.26	-.32	.37	-.85	141	.3949	.5255	.43	25	@301
5	-.82	.27	3	-.60	.24	-.22	.36	-.62	159	.5385	.5254	-.27	25	@301
5	-.82	.27	4	-.33	.33	-.49	.43	-1.16	96	.2507	.2303	.02	25	@301
5	-.82	.27	7	-.87	.07	.05	.28	.19	126	.8506	.7937	.54	25	@301
7	-.87	.07	1	-2.11	.40	1.24	.41	3.03	127	.0030	.0052	.12	25	@301
7	-.87	.07	2	-.50	.26	-.37	.27	-1.37	103	.1749	.4792	-.14	25	@301
7	-.87	.07	3	-.60	.24	-.27	.25	-1.10	138	.2716	.3490	-.40	25	@301
7	-.87	.07	4	-.33	.33	-.55	.34	-1.60	57	.1146	.2030	-.47	25	@301
7	-.87	.07	5	-.82	.27	-.05	.28	-.19	126	.8506	.7937	-.54	25	@301

1	-.41	.25	2	-.78	.27	.37	.36	1.02	148	.3097	.4943	.00	26	@302
1	-.41	.25	3	-.66	.24	.25	.34	.72	173	.4728	.4744	.51	26	@302
1	-.41	.25	4	-.22	.33	-.19	.41	-.47	95	.6397	.9530	-.12	26	@302
1	-.41	.25	5	-.55	.26	.14	.36	.38	169	.7025	.9355	-.14	26	@302
1	-.41	.25	7	-.29	.07	-.12	.25	-.48	147	.6327	.9932	.32	26	@302
2	-.78	.27	1	-.41	.25	-.37	.36	-1.02	148	.3097	.4943	.00	26	@302
2	-.78	.27	3	-.66	.24	-.13	.36	-.35	141	.7260	.6891	-.07	26	@302
2	-.78	.27	4	-.22	.33	-.57	.43	-1.32	91	.1892	.3901	-.35	26	@302
2	-.78	.27	5	-.55	.26	-.24	.37	-.63	140	.5274	.3154	.30	26	@302
2	-.78	.27	7	-.29	.07	-.49	.28	-1.78	99	.0776	.0440	-.22	26	@302
3	-.66	.24	1	-.41	.25	-.25	.34	-.72	173	.4728	.4744	-.51	26	@302
3	-.66	.24	2	-.78	.27	.13	.36	.35	141	.7260	.6891	.07	26	@302
3	-.66	.24	4	-.22	.33	-.44	.41	-1.08	92	.2840	.6610	-.31	26	@302
3	-.66	.24	5	-.55	.26	-.11	.35	-.31	160	.7538	.3273	-.28	26	@302
3	-.66	.24	7	-.29	.07	-.37	.25	-1.50	133	.1369	.0275	-.46	26	@302
4	-.22	.33	1	-.41	.25	.19	.41	.47	95	.6397	.9530	.12	26	@302
4	-.22	.33	2	-.78	.27	.57	.43	1.32	91	.1892	.3901	.35	26	@302
4	-.22	.33	3	-.66	.24	.44	.41	1.08	92	.2840	.6610	.31	26	@302
4	-.22	.33	5	-.55	.26	.33	.42	.79	94	.4337	.6888	.25	26	@302
4	-.22	.33	7	-.29	.07	.07	.34	.21	55	.8321	.7271	-.10	26	@302
5	-.55	.26	1	-.41	.25	-.14	.36	-.38	169	.7025	.9355	.14	26	@302
5	-.55	.26	2	-.78	.27	.24	.37	.63	140	.5274	.3154	-.30	26	@302
5	-.55	.26	3	-.66	.24	.11	.35	.31	160	.7538	.3273	.28	26	@302
5	-.55	.26	4	-.22	.33	-.33	.42	-.79	94	.4337	.6888	-.25	26	@302
5	-.55	.26	7	-.29	.07	-.26	.26	-.97	124	.3318	.3717	.08	26	@302
7	-.29	.07	1	-.41	.25	.12	.25	.48	147	.6327	.9932	-.32	26	@302
7	-.29	.07	2	-.78	.27	.49	.28	1.78	99	.0776	.0440	.22	26	@302
7	-.29	.07	3	-.66	.24	.37	.25	1.50	133	.1369	.0275	.46	26	@302
7	-.29	.07	4	-.22	.33	-.07	.34	-.21	55	.8321	.7271	.10	26	@302
7	-.29	.07	5	-.55	.26	.26	.26	.97	124	.3318	.3717	-.08	26	@302
1	1.12	.23	2	.79	.29	.33	.37	.89	143	.3754	.4554	.74	27	@327
1	1.12	.23	3	.77	.26	.35	.34	1.01	171	.3120	.4378	.96	27	@327
1	1.12	.23	4	1.50	.44	-.38	.49	-.78	81	.4378	.4172	-.	27	@327
1	1.12	.23	5	1.05	.26	.07	.34	.21	168	.8304	.7458	-.19	27	@327
1	1.12	.23	7	1.16	.07	-.04	.24	-.17	156	.8678	.9145	-.09	27	@327
2	.79	.29	1	1.12	.23	-.33	.37	-.89	143	.3754	.4554	-.74	27	@327
2	.79	.29	3	.77	.26	.02	.39	.06	141	.9555	.9772	.51	27	@327
2	.79	.29	4	1.50	.44	-.71	.52	-1.36	85	.1770	.2666	.00	27	@327
2	.79	.29	5	1.05	.26	-.25	.38	-.66	139	.5112	.8541	-.22	27	@327
2	.79	.29	7	1.16	.07	-.37	.30	-1.24	99	.2190	.3416	-.95	27	@327
3	.77	.26	1	1.12	.23	-.35	.34	-1.01	171	.3120	.4378	-.96	27	@327
3	.77	.26	2	.79	.29	-.02	.39	-.06	141	.9555	.9772	-.51	27	@327
3	.77	.26	4	1.50	.44	-.73	.51	-1.45	84	.1511	.2433	.32	27	@327
3	.77	.26	5	1.05	.26	-.28	.36	-.76	160	.4485	.5945	-.01	27	@327
3	.77	.26	7	1.16	.07	-.39	.27	-1.46	133	.1469	.1545	-.88	27	@327
4	1.50	.44	1	1.12	.23	.38	.49	.78	81	.4378	.4172	+.	27	@327
4	1.50	.44	2	.79	.29	.71	.52	1.36	85	.1770	.2666	.00	27	@327
4	1.50	.44	3	.77	.26	.73	.51	1.45	84	.1511	.2433	-.32	27	@327
4	1.50	.44	5	1.05	.26	.46	.50	.91	83	.3678	.6249	.15	27	@327
4	1.50	.44	7	1.16	.07	.34	.44	.78	52	.4396	.4421	-.74	27	@327
5	1.05	.26	1	1.12	.23	-.07	.34	-.21	168	.8304	.7458	.19	27	@327
5	1.05	.26	2	.79	.29	.25	.38	.66	139	.5112	.8541	.22	27	@327
5	1.05	.26	3	.77	.26	.28	.36	.76	160	.4485	.5945	.01	27	@327
5	1.05	.26	4	1.50	.44	-.46	.50	-.91	83	.3678	.6249	-.15	27	@327
5	1.05	.26	7	1.16	.07	-.11	.27	-.43	128	.6692	.7496	-.23	27	@327
7	1.16	.07	1	1.12	.23	.04	.24	.17	156	.8678	.9145	.09	27	@327
7	1.16	.07	2	.79	.29	.37	.30	1.24	99	.2190	.3416	.95	27	@327
7	1.16	.07	3	.77	.26	.39	.27	1.46	133	.1469	.1545	.88	27	@327
7	1.16	.07	4	1.50	.44	-.34	.44	-.78	52	.4396	.4421	.74	27	@327
7	1.16	.07	5	1.05	.26	.11	.27	.43	128	.6692	.7496	.23	27	@327
1	.31	.23	2	.71	.28	-.41	.36	-1.12	143	.2653	.7449	-.13	28	@586
1	.31	.23	3	1.37	.29	-1.06	.37	-2.86	168	.0047	.1005	-1.05	28	@586
1	.31	.23	4	1.16	.40	-.85	.46	-1.86	84	.0660	.1449	-.	28	@586
1	.31	.23	5	.67	.25	-.37	.34	-1.09	168	.2777	.3828	-.03	28	@586
1	.31	.23	7	.79	.07	-.48	.24	-2.03	153	.0443	.0957	-.30	28	@586
2	.71	.28	1	.31	.23	.41	.36	1.12	143	.2653	.7449	.13	28	@586
2	.71	.28	3	1.37	.29	-.65	.41	-1.61	144	.1106	.0433	-.85	28	@586
2	.71	.28	4	1.16	.40	-.45	.49	-.91	87	.3630	.1001	.59	28	@586
2	.71	.28	5	.67	.25	.04	.38	.11	138	.9125	.9254	.10	28	@586
2	.71	.28	7	.79	.07	-.07	.29	-.25	97	.8009	.5388	-.30	28	@586
3	1.37	.29	1	.31	.23	1.06	.37	2.86	168	.0047	.1005	1.05	28	@586
3	1.37	.29	2	.71	.28	.65	.41	1.61	144	.1106	.0433	.85	28	@586
3	1.37	.29	4	1.16	.40	.21	.49	.42	93	.6755	.7437	.43	28	@586
3	1.37	.29	5	.67	.25	.70	.38	1.82	160	.0709	.1930	.97	28	@586
3	1.37	.29	7	.79	.07	.58	.30	1.93	123	.0555	.1044	.47	28	@586
4	1.16	.40	1	.31	.23	.85	.46	1.86	84	.0660	.1449	+.	28	@586

4	1.16	.40	2	.71	.28	.45	.49	.91	87	.3630	.1001	-.59	28	@586
4	1.16	.40	3	1.37	.29	-.21	.49	-.42	93	.6755	.7437	-.43	28	@586
4	1.16	.40	5	.67	.25	.49	.47	1.04	86	.2998	.1598	.69	28	@586
4	1.16	.40	7	.79	.07	.37	.40	.92	53	.3593	.5340	-.93	28	@586
5	.67	.25	1	.31	.23	.37	.34	1.09	168	.2777	.3828	.03	28	@586
5	.67	.25	2	.71	.28	-.04	.38	-.11	138	.9125	.9254	-.10	28	@586
5	.67	.25	3	1.37	.29	-.70	.38	-1.82	160	.0709	.1930	-.97	28	@586
5	.67	.25	4	1.16	.40	-.49	.47	-1.04	86	.2998	.1598	-.69	28	@586
5	.67	.25	7	.79	.07	-.12	.26	-.45	127	.6533	.5932	-.19	28	@586
7	.79	.07	1	.31	.23	.48	.24	2.03	153	.0443	.0957	.30	28	@586
7	.79	.07	2	.71	.28	.07	.29	.25	97	.8009	.5388	.30	28	@586
7	.79	.07	3	1.37	.29	-.58	.30	-1.93	123	.0555	.1044	-.47	28	@586
7	.79	.07	4	1.16	.40	-.37	.40	-.92	53	.3593	.5340	.93	28	@586
7	.79	.07	5	.67	.25	.12	.26	.45	127	.6533	.5932	.19	28	@586
1	1.17	.23	2	.40	.27	.77	.36	2.17	145	.0320	.6832	-.46	29	@588
1	1.17	.23	3	.46	.24	.72	.34	2.13	172	.0344	.5501	-.36	29	@588
1	1.17	.23	4	.73	.36	.45	.43	1.04	88	.3011	.6761	.38	29	@588
1	1.17	.23	5	.86	.25	.32	.34	.94	168	.3492	.3902	-.01	29	@588
1	1.17	.23	7	.79	.07	.39	.24	1.62	153	.1065	.5235	-.05	29	@588
2	.40	.27	1	1.17	.23	-.77	.36	-2.17	145	.0320	.6832	.46	29	@588
2	.40	.27	3	.46	.24	-.05	.37	-.15	141	.8812	.5550	.08	29	@588
2	.40	.27	4	.73	.36	-.32	.45	-.71	88	.4796	.7906	.68	29	@588
2	.40	.27	5	.86	.25	-.45	.37	-1.22	139	.2238	.2428	.17	29	@588
2	.40	.27	7	.79	.07	-.38	.28	-1.36	99	.1761	.3722	-.23	29	@588
3	.46	.24	1	1.17	.23	-.72	.34	-2.13	172	.0344	.5501	.36	29	@588
3	.46	.24	2	.40	.27	.05	.37	.15	141	.8812	.5550	-.08	29	@588
3	.46	.24	4	.73	.36	-.27	.44	-.61	89	.5432	.3170	-.43	29	@588
3	.46	.24	5	.86	.25	-.40	.35	-1.13	160	.2589	.4336	-.15	29	@588
3	.46	.24	7	.79	.07	-.33	.25	-1.29	132	.2004	.4382	-.34	29	@588
4	.73	.36	1	1.17	.23	-.45	.43	-1.04	88	.3011	.6761	-.38	29	@588
4	.73	.36	2	.40	.27	.32	.45	.71	88	.4796	.7906	-.68	29	@588
4	.73	.36	3	.46	.24	.27	.44	.61	89	.5432	.3170	.43	29	@588
4	.73	.36	5	.86	.25	-.13	.44	-.29	90	.7713	.6650	-.36	29	@588
4	.73	.36	7	.79	.07	-.06	.37	-.16	54	.8742	.9587	-.20	29	@588
5	.86	.25	1	1.17	.23	-.32	.34	-.94	168	.3492	.3902	.01	29	@588
5	.86	.25	2	.40	.27	.45	.37	1.22	139	.2238	.2428	-.17	29	@588
5	.86	.25	3	.46	.24	.40	.35	1.13	160	.2589	.4336	.15	29	@588
5	.86	.25	4	.73	.36	.13	.44	.29	90	.7713	.6650	.36	29	@588
5	.86	.25	7	.79	.07	.07	.26	.27	126	.7878	.9962	-.11	29	@588
7	.79	.07	1	1.17	.23	-.39	.24	-1.62	153	.1065	.5235	.05	29	@588
7	.79	.07	2	.40	.27	.38	.28	1.36	99	.1761	.3722	.23	29	@588
7	.79	.07	3	.46	.24	.33	.25	1.29	132	.2004	.4382	.34	29	@588
7	.79	.07	4	.73	.36	.06	.37	.16	54	.8742	.9587	.20	29	@588
7	.79	.07	5	.86	.25	-.07	.26	-.27	126	.7878	.9962	.11	29	@588
1	-.53	.25	2	.12	.26	-.65	.37	-1.79	149	.0761	.6634	-.09	30	@596
1	-.53	.25	3	.11	.24	-.65	.35	-1.88	173	.0625	.0651	-.15	30	@596
1	-.53	.25	4	.73	.36	-1.26	.44	-2.85	92	.0054	.2518	-.26	30	@596
1	-.53	.25	5	-.23	.25	-.31	.35	-.86	170	.3891	.4278	.29	30	@596
1	-.53	.25	7	.08	.07	-.62	.26	-2.37	145	.0191	.0495	-.32	30	@596
2	.12	.26	1	-.53	.25	.65	.37	1.79	149	.0761	.6634	.09	30	@596
2	.12	.26	3	.11	.24	.00	.35	.01	141	.9898	.7563	.24	30	@596
2	.12	.26	4	.73	.36	-.61	.45	-1.35	87	.1794	.0267	-.44	30	@596
2	.12	.26	5	-.23	.25	.35	.36	.96	140	.3406	.5392	.57	30	@596
2	.12	.26	7	.08	.07	.04	.27	.13	99	.8956	.7772	-.09	30	@596
3	.11	.24	1	-.53	.25	.65	.35	1.88	173	.0625	.0651	.15	30	@596
3	.11	.24	2	.12	.26	.00	.35	-.01	141	.9898	.7563	-.24	30	@596
3	.11	.24	4	.73	.36	-.61	.43	-1.41	88	.1611	.0135	-.97	30	@596
3	.11	.24	5	-.23	.25	.34	.34	1.00	160	.3196	.7093	.63	30	@596
3	.11	.24	7	.08	.07	.03	.25	.13	132	.8988	.7054	-.36	30	@596
4	.73	.36	1	-.53	.25	1.26	.44	2.85	92	.0054	.2518	.26	30	@596
4	.73	.36	2	.12	.26	.61	.45	1.35	87	.1794	.0267	.44	30	@596
4	.73	.36	3	.11	.24	.61	.43	1.41	88	.1611	.0135	.97	30	@596
4	.73	.36	5	-.23	.25	.96	.44	2.17	89	.0327	.0472	1.46	30	@596
4	.73	.36	7	.08	.07	.64	.37	1.74	54	.0870	.1320	.01	30	@596
5	-.23	.25	1	-.53	.25	.31	.35	.86	170	.3891	.4278	-.29	30	@596
5	-.23	.25	2	.12	.26	-.35	.36	-.96	140	.3406	.5392	-.57	30	@596
5	-.23	.25	3	.11	.24	-.34	.34	-1.00	160	.3196	.7093	-.63	30	@596
5	-.23	.25	4	.73	.36	-.96	.44	-2.17	89	.0327	.0472	-1.46	30	@596
5	-.23	.25	7	.08	.07	-.31	.26	-1.21	125	.2279	.2381	-.50	30	@596
7	.08	.07	1	-.53	.25	.62	.26	2.37	145	.0191	.0495	.32	30	@596
7	.08	.07	2	.12	.26	-.04	.27	-.13	99	.8956	.7772	.09	30	@596
7	.08	.07	3	.11	.24	-.03	.25	-.13	132	.8988	.7054	.36	30	@596
7	.08	.07	4	.73	.36	-.64	.37	-1.74	54	.0870	.1320	-.01	30	@596
7	.08	.07	5	-.23	.25	.31	.26	1.21	125	.2279	.2381	.50	30	@596
1	.91	.23	2	.26	.27	.66	.35	1.87	145	.0630	.3162	-.13	31	@603
1	.91	.23	3	1.03	.27	-.12	.35	-.34	170	.7352	.4556	-.52	31	@603

1	.91	.23	4	.73	.36	.19	.43	.44	88	.6612	.3394	.01	31	@603
1	.91	.23	5	1.25	.26	-.33	.35	-.96	167	.3381	.2856	-.08	31	@603
1	.91	.23	7	1.09	.07	-.18	.24	-.74	156	.4603	.3583	-.35	31	@603
2	.26	.27	1	.91	.23	-.66	.35	-1.87	145	.0630	.3162	.13	31	@603
2	.26	.27	3	1.03	.27	-.78	.38	-2.04	144	.0435	.0242	-.60	31	@603
2	.26	.27	4	.73	.36	-.47	.45	-1.04	88	.3034	.2682	.22	31	@603
2	.26	.27	5	1.25	.26	-.99	.37	-2.64	141	.0092	.0510	.00	31	@603
2	.26	.27	7	1.09	.07	-.83	.28	-3.01	101	.0033	.0122	-.87	31	@603
3	1.03	.27	1	.91	.23	.12	.35	.34	170	.7352	.4556	.52	31	@603
3	1.03	.27	2	.26	.27	.78	.38	2.04	144	.0435	.0242	.60	31	@603
3	1.03	.27	4	.73	.36	.31	.45	.68	93	.4990	.8177	.41	31	@603
3	1.03	.27	5	1.25	.26	-.21	.38	-.56	160	.5731	.5465	-.23	31	@603
3	1.03	.27	7	1.09	.07	-.06	.28	-.20	129	.8430	.6865	-.33	31	@603
4	.73	.36	1	.91	.23	-.19	.43	-.44	88	.6612	.3394	-.01	31	@603
4	.73	.36	2	.26	.27	.47	.45	1.04	88	.3034	.2682	-.22	31	@603
4	.73	.36	3	1.03	.27	-.31	.45	-.68	93	.4990	.8177	-.41	31	@603
4	.73	.36	5	1.25	.26	-.52	.45	-1.16	91	.2485	.6799	-.51	31	@603
4	.73	.36	7	1.09	.07	-.36	.37	-.98	55	.3309	.4743	-.90	31	@603
5	1.25	.26	1	.91	.23	.33	.35	.96	167	.3381	.2856	.08	31	@603
5	1.25	.26	2	.26	.27	.99	.37	2.64	141	.0092	.0510	.00	31	@603
5	1.25	.26	3	1.03	.27	.21	.38	.56	160	.5731	.5465	.23	31	@603
5	1.25	.26	4	.73	.36	.52	.45	1.16	91	.2485	.6799	.51	31	@603
5	1.25	.26	7	1.09	.07	.16	.27	.58	126	.5632	.5118	-.38	31	@603
7	1.09	.07	1	.91	.23	.18	.24	.74	156	.4603	.3583	.35	31	@603
7	1.09	.07	2	.26	.27	.83	.28	3.01	101	.0033	.0122	.87	31	@603
7	1.09	.07	3	1.03	.27	.06	.28	.20	129	.8430	.6865	.33	31	@603
7	1.09	.07	4	.73	.36	.36	.37	.98	55	.3309	.4743	.90	31	@603
7	1.09	.07	5	1.25	.26	-.16	.27	-.58	126	.5632	.5118	.38	31	@603
1	-.23	.24	2	-.50	.26	.27	.36	.75	148	.4550	.6685	-.06	32	@604
1	-.23	.24	3	-1.13	.25	.89	.35	2.58	172	.0108	.2603	.39	32	@604
1	-.23	.24	4	-.78	.34	.54	.42	1.31	93	.1950	.9066	-.24	32	@604
1	-.23	.24	5	-.55	.26	.31	.35	.89	168	.3742	.8396	.38	32	@604
1	-.23	.24	7	-.79	.07	.56	.25	2.23	152	.0269	.1822	.33	32	@604
2	-.50	.26	1	-.23	.24	-.27	.36	-.75	148	.4550	.6685	.06	32	@604
2	-.50	.26	3	-1.13	.25	.63	.36	1.72	142	.0868	.0473	.76	32	@604
2	-.50	.26	4	-.78	.34	.28	.43	.65	89	.5204	.1497	.55	32	@604
2	-.50	.26	5	-.55	.26	.05	.37	.13	141	.8998	.2041	.38	32	@604
2	-.50	.26	7	-.79	.07	.29	.27	1.07	102	.2870	.1325	.50	32	@604
3	-1.13	.25	1	-.23	.24	-.89	.35	-2.58	172	.0108	.2603	-.39	32	@604
3	-1.13	.25	2	-.50	.26	-.63	.36	-1.72	142	.0868	.0473	-.76	32	@604
3	-1.13	.25	4	-.78	.34	-.35	.42	-.82	93	.4137	.2812	-.04	32	@604
3	-1.13	.25	5	-.55	.26	-.58	.36	-1.62	160	.1078	.2039	-.27	32	@604
3	-1.13	.25	7	-.79	.07	-.33	.26	-1.29	133	.2000	.5038	.03	32	@604
4	-.78	.34	1	-.23	.24	-.54	.42	-1.31	93	.1950	.9066	.24	32	@604
4	-.78	.34	2	-.50	.26	-.28	.43	-.65	89	.5204	.1497	-.55	32	@604
4	-.78	.34	3	-1.13	.25	.35	.42	.82	93	.4137	.2812	.04	32	@604
4	-.78	.34	5	-.55	.26	-.23	.43	-.54	93	.5887	.7856	.28	32	@604
4	-.78	.34	7	-.79	.07	.01	.35	.04	56	.9699	.4444	.47	32	@604
5	-.55	.26	1	-.23	.24	-.31	.35	-.89	168	.3742	.8396	-.38	32	@604
5	-.55	.26	2	-.50	.26	-.05	.37	-.13	141	.8998	.2041	-.38	32	@604
5	-.55	.26	3	-1.13	.25	.58	.36	1.62	160	.1078	.2039	.27	32	@604
5	-.55	.26	4	-.78	.34	.23	.43	.54	93	.5887	.7856	-.28	32	@604
5	-.55	.26	7	-.79	.07	.24	.27	.92	127	.3589	.3671	.48	32	@604
7	-.79	.07	1	-.23	.24	-.56	.25	-2.23	152	.0269	.1822	-.33	32	@604
7	-.79	.07	2	-.50	.26	-.29	.27	-1.07	102	.2870	.1325	-.50	32	@604
7	-.79	.07	3	-1.13	.25	.33	.26	1.29	133	.2000	.5038	-.03	32	@604
7	-.79	.07	4	-.78	.34	-.01	.35	-.04	56	.9699	.4444	-.47	32	@604
7	-.79	.07	5	-.55	.26	-.24	.27	-.92	127	.3589	.3671	-.48	32	@604
1	-.30	.24	2	.05	.26	-.35	.36	-.98	148	.3286	.6180	-.29	33	@605
1	-.30	.24	3	-.05	.23	-.25	.34	-.74	173	.4601	.8794	-.27	33	@605
1	-.30	.24	4	-.11	.33	-.20	.41	-.48	94	.6337	.7118	-.06	33	@605
1	-.30	.24	5	-.11	.25	-.20	.34	-.57	169	.5722	.9856	.03	33	@605
1	-.30	.24	7	-.37	.07	.07	.25	.26	148	.7929	.8214	.16	33	@605
2	.05	.26	1	-.30	.24	.35	.36	.98	148	.3286	.6180	.29	33	@605
2	.05	.26	3	-.05	.23	.10	.35	.29	141	.7748	.5503	-.65	33	@605
2	.05	.26	4	-.11	.33	.15	.42	.36	90	.7190	.5155	.38	33	@605
2	.05	.26	5	-.11	.25	.16	.36	.43	140	.6678	.8072	.40	33	@605
2	.05	.26	7	-.37	.07	.42	.27	1.53	100	.1287	.4141	.05	33	@605
3	-.05	.23	1	-.30	.24	.25	.34	.74	173	.4601	.8794	.27	33	@605
3	-.05	.23	2	.05	.26	-.10	.35	-.29	141	.7748	.5503	.65	33	@605
3	-.05	.23	4	-.11	.33	.05	.41	.13	91	.8982	.2647	.65	33	@605
3	-.05	.23	5	-.11	.25	.05	.34	.16	160	.8740	.7171	.14	33	@605
3	-.05	.23	7	-.37	.07	.32	.24	1.29	134	.1983	.3512	.42	33	@605
4	-.11	.33	1	-.30	.24	.20	.41	.48	94	.6337	.7118	.06	33	@605
4	-.11	.33	2	.05	.26	-.15	.42	-.36	90	.7190	.5155	-.38	33	@605
4	-.11	.33	3	-.05	.23	-.05	.41	-.13	91	.8982	.2647	-.65	33	@605

4	-.11	.33	5	-.11	.25	.00	.41	.00	92	.9968	.6086	-.10	33	@605
4	-.11	.33	7	-.37	.07	.26	.34	.77	56	.4431	.3675	.06	33	@605
5	-.11	.25	1	-.30	.24	.20	.34	.57	169	.5722	.9856	-.03	33	@605
5	-.11	.25	2	.05	.26	-.16	.36	-.43	140	.6678	.8072	-.40	33	@605
5	-.11	.25	3	-.05	.23	-.05	.34	-.16	160	.8740	.7171	-.14	33	@605
5	-.11	.25	4	-.11	.33	.00	.41	.00	92	.9968	.6086	.10	33	@605
5	-.11	.25	7	-.37	.07	.26	.26	1.02	126	.3081	.4148	.21	33	@605
7	-.37	.07	1	-.30	.24	-.07	.25	-.26	148	.7929	.8214	-.16	33	@605
7	-.37	.07	2	.05	.26	-.42	.27	-1.53	100	.1287	.4141	-.05	33	@605
7	-.37	.07	3	-.05	.23	-.32	.24	-1.29	134	.1983	.3512	-.42	33	@605
7	-.37	.07	4	-.11	.33	-.26	.34	-.77	56	.4431	.3675	-.06	33	@605
7	-.37	.07	5	-.11	.25	-.26	.26	-1.02	126	.3081	.4148	-.21	33	@605
1	.15	.23	2	.12	.26	.03	.35	.09	146	.9288	.7247	-.11	34	@607
1	.15	.23	3	.06	.24	.09	.33	.28	173	.7809	.4757	-.43	34	@607
1	.15	.23	4	-.44	.33	.59	.40	1.45	92	.1506	.7805	-.69	34	@607
1	.15	.23	5	.55	.25	-.40	.34	-1.19	168	.2348	.1319	-.37	34	@607
1	.15	.23	7	-.03	.07	.18	.24	.75	150	.4566	.8985	-.13	34	@607
2	.12	.26	1	.15	.23	-.03	.35	-.09	146	.9288	.7247	.11	34	@607
2	.12	.26	3	.06	.24	.06	.35	.17	141	.8651	.4084	.10	34	@607
2	.12	.26	4	-.44	.33	.56	.43	1.31	90	.1952	.1344	-.05	34	@607
2	.12	.26	5	.55	.25	-.43	.36	-1.20	140	.2332	.7970	.08	34	@607
2	.12	.26	7	-.03	.07	.15	.27	.54	99	.5913	.2134	.16	34	@607
3	.06	.24	1	.15	.23	-.09	.33	-.28	173	.7809	.4757	.43	34	@607
3	.06	.24	2	.12	.26	-.06	.35	-.17	141	.8651	.4084	-.10	34	@607
3	.06	.24	4	-.44	.33	.50	.41	1.21	91	.2284	.8130	.63	34	@607
3	.06	.24	5	.55	.25	-.49	.34	-1.45	160	.1498	.6332	.32	34	@607
3	.06	.24	7	-.03	.07	.09	.24	.35	133	.7242	.2758	.34	34	@607
4	-.44	.33	1	.15	.23	-.59	.40	-1.45	92	.1506	.7805	.69	34	@607
4	-.44	.33	2	.12	.26	-.56	.43	-1.31	90	.1952	.1344	.05	34	@607
4	-.44	.33	3	.06	.24	-.50	.41	-1.21	91	.2284	.8130	-.63	34	@607
4	-.44	.33	5	.55	.25	-.99	.41	-2.38	92	.0191	.6171	-.39	34	@607
4	-.44	.33	7	-.03	.07	-.41	.34	-1.20	55	.2343	.6369	-.21	34	@607
5	.55	.25	1	.15	.23	.40	.34	1.19	168	.2348	.1319	.37	34	@607
5	.55	.25	2	.12	.26	.43	.36	1.20	140	.2332	.7970	-.08	34	@607
5	.55	.25	3	.06	.24	.49	.34	1.45	160	.1498	.6332	-.32	34	@607
5	.55	.25	4	-.44	.33	.99	.41	2.38	92	.0191	.6171	.39	34	@607
5	.55	.25	7	-.03	.07	.58	.25	2.28	126	.0243	.0626	.35	34	@607
7	-.03	.07	1	.15	.23	-.18	.24	-.75	150	.4566	.8985	.13	34	@607
7	-.03	.07	2	.12	.26	-.15	.27	-.54	99	.5913	.2134	-.16	34	@607
7	-.03	.07	3	.06	.24	-.09	.24	-.35	133	.7242	.2758	-.34	34	@607
7	-.03	.07	4	-.44	.33	.41	.34	1.20	55	.2343	.6369	.21	34	@607
7	-.03	.07	5	.55	.25	-.58	.25	-2.28	126	.0243	.0626	-.35	34	@607
1	-.23	.24	2	-.36	.26	.13	.35	.36	148	.7167	.8465	-.12	35	@608
1	-.23	.24	3	-.28	.23	.05	.33	.14	173	.8851	1.000	.00	35	@608
1	-.23	.24	4	-.90	.35	.66	.42	1.57	92	.1188	.2133	.19	35	@608
1	-.23	.24	5	-.61	.26	.38	.35	1.08	168	.2839	.1284	.03	35	@608
1	-.23	.24	7	-.24	.07	.00	.25	.01	148	.9933	.6851	.05	35	@608
2	-.36	.26	1	-.23	.24	-.13	.35	-.36	148	.7167	.8465	.12	35	@608
2	-.36	.26	3	-.28	.23	-.08	.35	-.23	141	.8186	.9642	.01	35	@608
2	-.36	.26	4	-.90	.35	.53	.43	1.23	89	.2219	.2370	.51	35	@608
2	-.36	.26	5	-.61	.26	.25	.37	.68	141	.4978	.1246	.44	35	@608
2	-.36	.26	7	-.24	.07	-.13	.27	-.47	100	.6391	.7618	-.07	35	@608
3	-.28	.23	1	-.23	.24	-.05	.33	-.14	173	.8851	1.000	.00	35	@608
3	-.28	.23	2	-.36	.26	.08	.35	.23	141	.8186	.9642	-.01	35	@608
3	-.28	.23	4	-.90	.35	.61	.42	1.47	89	.1447	.0573	.62	35	@608
3	-.28	.23	5	-.61	.26	.33	.35	.95	160	.3442	.1695	-.30	35	@608
3	-.28	.23	7	-.24	.07	-.05	.24	-.19	134	.8489	.9296	.09	35	@608
4	-.90	.35	1	-.23	.24	-.66	.42	-1.57	92	.1188	.2133	-.19	35	@608
4	-.90	.35	2	-.36	.26	-.53	.43	-1.23	89	.2219	.2370	-.51	35	@608
4	-.90	.35	3	-.28	.23	-.61	.42	-1.47	89	.1447	.0573	-.62	35	@608
4	-.90	.35	5	-.61	.26	-.28	.43	-.66	93	.5135	.5679	-.87	35	@608
4	-.90	.35	7	-.24	.07	-.66	.35	-1.88	55	.0661	.0550	-.57	35	@608
5	-.61	.26	1	-.23	.24	-.38	.35	-1.08	168	.2839	.1284	-.03	35	@608
5	-.61	.26	2	-.36	.26	-.25	.37	-.68	141	.4978	.1246	-.44	35	@608
5	-.61	.26	3	-.28	.23	-.33	.35	-.95	160	.3442	.1695	.30	35	@608
5	-.61	.26	4	-.90	.35	.28	.43	.66	93	.5135	.5679	.87	35	@608
5	-.61	.26	7	-.24	.07	-.38	.27	-1.41	123	.1606	.1880	.05	35	@608
7	-.24	.07	1	-.23	.24	.00	.25	-.01	148	.9933	.6851	-.05	35	@608
7	-.24	.07	2	-.36	.26	.13	.27	.47	100	.6391	.7618	.07	35	@608
7	-.24	.07	3	-.28	.23	.05	.24	.19	134	.8489	.9296	-.09	35	@608
7	-.24	.07	4	-.90	.35	.66	.35	1.88	55	.0661	.0550	.57	35	@608
7	-.24	.07	5	-.61	.26	.38	.27	1.41	123	.1606	.1880	-.05	35	@608
1	.51	.23	2	.48	.27	.03	.35	.09	144	.9308	.6062	-.33	36	@611
1	.51	.23	3	.28	.24	.23	.33	.69	172	.4923	.8856	.00	36	@611
1	.51	.23	4	-.11	.33	.61	.40	1.53	91	.1301	.2061	-.12	36	@611
1	.51	.23	5	-.11	.25	.62	.33	1.85	168	.0664	.0342	.33	36	@611

1	.51	.23	7	.33	.07	.18	.23	.77	152	.4431	.2821	.34	36	@611
2	.48	.27	1	.51	.23	-.03	.35	-.09	144	.9308	.6062	.33	36	@611
2	.48	.27	3	.28	.24	.20	.36	.54	140	.5922	.7188	-.38	36	@611
2	.48	.27	4	-.11	.33	.58	.43	1.35	91	.1795	.4358	.60	36	@611
2	.48	.27	5	-.11	.25	.59	.37	1.59	139	.1142	.1057	.32	36	@611
2	.48	.27	7	.33	.07	.15	.28	.53	97	.5970	.7121	-.20	36	@611
3	.28	.24	1	.51	.23	-.23	.33	-.69	172	.4923	.8856	.00	36	@611
3	.28	.24	2	.48	.27	-.20	.36	-.54	140	.5922	.7188	.38	36	@611
3	.28	.24	4	-.11	.33	.39	.41	.95	92	.3469	.1058	.83	36	@611
3	.28	.24	5	-.11	.25	.39	.34	1.13	160	.2581	.1543	.51	36	@611
3	.28	.24	7	.33	.07	-.05	.25	-.19	132	.8533	.9733	-.12	36	@611
4	-.11	.33	1	.51	.23	-.61	.40	-1.53	91	.1301	.2061	.12	36	@611
4	-.11	.33	2	.48	.27	-.58	.43	-1.35	91	.1795	.4358	-.60	36	@611
4	-.11	.33	3	.28	.24	-.39	.41	-.95	92	.3469	.1058	-.83	36	@611
4	-.11	.33	5	-.11	.25	.00	.41	.00	92	.9968	.8354	.06	36	@611
4	-.11	.33	7	.33	.07	-.43	.34	-1.28	55	.2065	.1817	-.56	36	@611
5	-.11	.25	1	.51	.23	-.62	.33	-1.85	168	.0664	.0342	-.33	36	@611
5	-.11	.25	2	.48	.27	-.59	.37	-1.59	139	.1142	.1057	-.32	36	@611
5	-.11	.25	3	.28	.24	-.39	.34	-1.13	160	.2581	.1543	-.51	36	@611
5	-.11	.25	4	-.11	.33	.00	.41	.00	92	.9968	.8354	-.06	36	@611
5	-.11	.25	7	.33	.07	-.44	.25	-1.71	125	.0894	.0991	-.38	36	@611
7	.33	.07	1	.51	.23	-.18	.23	-.77	152	.4431	.2821	-.34	36	@611
7	.33	.07	2	.48	.27	-.15	.28	-.53	97	.5970	.7121	.20	36	@611
7	.33	.07	3	.28	.24	.05	.25	.19	132	.8533	.9733	.12	36	@611
7	.33	.07	4	-.11	.33	.43	.34	1.28	55	.2065	.1817	.56	36	@611
7	.33	.07	5	-.11	.25	.44	.25	1.71	125	.0894	.0991	.38	36	@611
1	-.35	.24	2	-.78	.27	.43	.36	1.19	148	.2362	.3942	.17	37	@612
1	-.35	.24	3	-.77	.24	.42	.34	1.23	173	.2216	.1733	.61	37	@612
1	-.35	.24	4	-.78	.34	.43	.42	1.02	94	.3105	.3197	1.30	37	@612
1	-.35	.24	5	-.89	.27	.54	.36	1.49	168	.1387	.0875	1.10	37	@612
1	-.35	.24	7	-.64	.07	.29	.25	1.15	149	.2507	.6078	.46	37	@612
2	-.78	.27	1	-.35	.24	-.43	.36	-1.19	148	.2362	.3942	-.17	37	@612
2	-.78	.27	3	-.77	.24	-.01	.36	-.04	141	.9719	.8870	-.20	37	@612
2	-.78	.27	4	-.78	.34	.00	.43	-.01	90	.9933	.6704	-.27	37	@612
2	-.78	.27	5	-.89	.27	.11	.38	.29	141	.7723	.3789	.32	37	@612
2	-.78	.27	7	-.64	.07	-.14	.28	-.50	100	.6161	.8114	-.01	37	@612
3	-.77	.24	1	-.35	.24	-.42	.34	-1.23	173	.2216	.1733	-.61	37	@612
3	-.77	.24	2	-.78	.27	.01	.36	.04	141	.9719	.8870	.20	37	@612
3	-.77	.24	4	-.78	.34	.01	.42	.02	91	.9827	.8279	.01	37	@612
3	-.77	.24	5	-.89	.27	.12	.36	.34	159	.7333	.6096	.51	37	@612
3	-.77	.24	7	-.64	.07	-.13	.25	-.51	134	.6108	.8409	.32	37	@612
4	-.78	.34	1	-.35	.24	-.43	.42	-1.02	94	.3105	.3197	-1.30	37	@612
4	-.78	.34	2	-.78	.27	.00	.43	.01	90	.9933	.6704	.27	37	@612
4	-.78	.34	3	-.77	.24	-.01	.42	-.02	91	.9827	.8279	-.01	37	@612
4	-.78	.34	5	-.89	.27	.11	.44	.26	95	.7938	.4030	.92	37	@612
4	-.78	.34	7	-.64	.07	-.14	.35	-.39	56	.6980	.9512	.39	37	@612
5	-.89	.27	1	-.35	.24	-.54	.36	-1.49	168	.1387	.0875	-1.10	37	@612
5	-.89	.27	2	-.78	.27	-.11	.38	-.29	141	.7723	.3789	-.32	37	@612
5	-.89	.27	3	-.77	.24	-.12	.36	-.34	159	.7333	.6096	-.51	37	@612
5	-.89	.27	4	-.78	.34	-.11	.44	-.26	95	.7938	.4030	-.92	37	@612
5	-.89	.27	7	-.64	.07	-.25	.28	-.90	123	.3724	.2770	-.06	37	@612
7	-.64	.07	1	-.35	.24	-.29	.25	-1.15	149	.2507	.6078	-.46	37	@612
7	-.64	.07	2	-.78	.27	.14	.28	.50	100	.6161	.8114	.01	37	@612
7	-.64	.07	3	-.77	.24	.13	.25	.51	134	.6108	.8409	-.32	37	@612
7	-.64	.07	4	-.78	.34	.14	.35	.39	56	.6980	.9512	-.39	37	@612
7	-.64	.07	5	-.89	.27	.25	.28	.90	123	.3724	.2770	.06	37	@612
1	-.07	.23	2	-.02	.26	-.04	.35	-.13	147	.8989	.7674	-.09	38	@659
1	-.07	.23	3	-.44	.23	.37	.33	1.12	173	.2663	.1434	.34	38	@659
1	-.07	.23	4	.35	.34	-.42	.42	-1.00	92	.3193	.3749	-.80	38	@659
1	-.07	.23	5	.13	.24	-.20	.34	-.59	169	.5579	.7964	-.36	38	@659
1	-.07	.23	7	-.16	.07	.09	.24	.38	149	.7054	.9609	.10	38	@659
2	-.02	.26	1	-.07	.23	.04	.35	.13	147	.8989	.7674	.09	38	@659
2	-.02	.26	3	-.44	.23	.41	.35	1.18	141	.2409	.2576	.16	38	@659
2	-.02	.26	4	.35	.34	-.37	.43	-.86	89	.3920	.2523	-.60	38	@659
2	-.02	.26	5	.13	.24	-.15	.36	-.43	140	.6683	.6888	-.21	38	@659
2	-.02	.26	7	-.16	.07	.14	.27	.51	99	.6139	.7521	.01	38	@659
3	-.44	.23	1	-.07	.23	-.37	.33	-1.12	173	.2663	.1434	-.34	38	@659
3	-.44	.23	2	-.02	.26	-.41	.35	-1.18	141	.2409	.2576	-.16	38	@659
3	-.44	.23	4	.35	.34	-.79	.42	-1.89	90	.0622	.0686	-.78	38	@659
3	-.44	.23	5	.13	.24	-.57	.34	-1.68	160	.0948	.1187	-.14	38	@659
3	-.44	.23	7	-.16	.07	-.28	.24	-1.14	133	.2561	.1937	-.20	38	@659
4	.35	.34	1	-.07	.23	.42	.42	1.00	92	.3193	.3749	.80	38	@659
4	.35	.34	2	-.02	.26	.37	.43	.86	89	.3920	.2523	.60	38	@659
4	.35	.34	3	-.44	.23	.79	.42	1.89	90	.0622	.0686	.78	38	@659
4	.35	.34	5	.13	.24	.22	.42	.52	91	.6055	.3411	.73	38	@659
4	.35	.34	7	-.16	.07	.51	.35	1.45	55	.1522	.1796	.62	38	@659

5	.13	.24	1	-.07	.23	.20	.34	.59	169	.5579	.7964	.36	38 @659
5	.13	.24	2	-.02	.26	.15	.36	.43	140	.6683	.6888	.21	38 @659
5	.13	.24	3	-.44	.23	.57	.34	1.68	160	.0948	.1187	.14	38 @659
5	.13	.24	4	.35	.34	-.22	.42	-.52	91	.6055	.3411	-.73	38 @659
5	.13	.24	7	-.16	.07	.29	.25	1.15	126	.2519	.5006	.46	38 @659
7	-.16	.07	1	-.07	.23	-.09	.24	-.38	149	.7054	.9609	-.10	38 @659
7	-.16	.07	2	-.02	.26	-.14	.27	-.51	99	.6139	.7521	-.01	38 @659
7	-.16	.07	3	-.44	.23	.28	.24	1.14	133	.2561	.1937	.20	38 @659
7	-.16	.07	4	.35	.34	-.51	.35	-1.45	55	.1522	.1796	-.62	38 @659
7	-.16	.07	5	.13	.24	-.29	.25	-1.15	126	.2519	.5006	-.46	38 @659

Size of Mantel-Haenszel slice: MHSLICE = .010 logits

Category 1 = Asian, Category 2 = Black, Non-Hispanic, Category 3 = Hispanic, Category 4 = American Indian or Alaskan Native, Category 5 = Multiracial, Category 6 = Pacific Islander (omitted due to a lack of cases), Category 7 = White, Non-Hispanic

TABLE 30.4 6th_raw_demo_edit 6th_all_items_distractor_out.txt Apr 20 11:04 2013
INPUT: 1440 PERSON 38 ITEM MEASURED: 1440 PERSON 38 ITEM 76 CATS WINSTEPS 3.69.1.14

DIF class specification is: DIF=@738 (Race/Ethnicity)

PERSON CLASSES	SUMMARY DIF CHI-SQUARE	D.F.	PROB.	ITEM Number	Name
6	5.0319	5	.4117	1	@181
6	8.5515	5	.1281	2	@198
6	7.5162	5	.1847	3	@199
6	29.7326	5	.0000	4	@200
6	.9570	5	.9659	5	@202
6	4.5890	5	.4678	6	@204
6	3.5877	5	.6099	7	@211
6	4.9391	5	.4230	8	@212
6	6.6773	5	.2455	9	@214
6	9.2198	5	.1004	10	@225
6	3.2541	5	.6607	11	@226
6	16.3354	5	.0059	12	@236
6	7.9354	5	.1596	13	@239
6	1.8160	5	.8739	14	@255
6	9.6059	5	.0870	15	@262
6	8.4272	5	.1340	16	@274
6	3.5012	5	.6230	17	@278
6	5.8241	5	.3234	18	@279
6	5.9782	5	.3080	19	@280
6	7.8594	5	.1639	20	@281
6	4.9476	5	.4220	21	@282
6	1.8687	5	.8669	22	@295
6	5.6180	5	.3448	23	@296
6	11.7791	5	.0378	24	@297
6	14.8168	5	.0111	25	@301
6	5.8266	5	.3231	26	@302
6	4.2366	5	.5156	27	@327
6	9.3110	5	.0971	28	@586
6	6.5882	5	.2528	29	@588
6	10.0979	5	.0723	30	@596
6	10.0984	5	.0723	31	@603
6	8.5926	5	.1262	32	@604
6	4.7867	5	.4421	33	@605
6	7.3337	5	.1967	34	@607
6	5.2229	5	.3890	35	@608
6	5.5517	5	.3520	36	@611
6	2.9607	5	.7059	37	@612
6	5.1211	5	.4010	38	@659

APPENDIX E

SELECTED WINSTEPS OUTPUT FOR 9th GRADE ITEM BANK

Appendix E

Selected Winsteps Output for 9th Grade Item Bank

```
TABLE 1.2 9th_raw.sav              9th_distractor_all_out.txt  Feb 24 16:40 2013
INPUT: 616 PERSON  50 ITEM  MEASURED: 616 PERSON  48 ITEM  96 CATS WINSTEPS 3.69.1.14
-------------------------------------------------------------------------------

           PERSON - MAP - ITEM
               <more>|<rare>
    4                +
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                     |
                     |
                  .  |
    3                +
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                  .  |
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                  .  |
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                  .  |
                  .  |T
    2               T+  @632
                 .#  |
                 ##  |  @649
                 .#  |
                .###  |
                .###  |  @23
              .##### S|  @642
             .######  |  @126   @288
    1        .######  +S @165   @174   @625   @641   @99
              .#####  |  @131   @151
             .######  |  @175
              .#####  |  @172   @617   @635
         .##########  |  @110   @32
             ####### M|  @125   @267   @285   @286
              .####  |  @24    @645
              #####  |  @631
    0         .####  +M @147   @49
         .##########  |
                .###  |  @289
               .####  |
                .### S|  @116   @628   @74    @89
               .####  |  @114   @648
                ####  |  @152   @616   @643
                 .##  |
   -1              #  +S @100   @150   @62
                 ##  |  @43
                 .#  |
                 .# T|
                  .  |  @620
                  .  |  @42
                  .  |  @79
                     |  @30
   -2                +
                     |T @29
                     |
                     |  @27
                     |
                     |
                     |
                     |
   -3                +
               <less>|<frequ>
 EACH "#" IS 5. EACH "." IS 1 TO 4
```

TABLE 13.1 9th_raw.sav 9th_distractor_all_out.txt Feb 24 16:40 2013
INPUT: 616 PERSON 50 ITEM MEASURED: 616 PERSON 48 ITEM 96 CATS WINSTEPS 3.69.1.14

PERSON: REAL SEP.: 2.16 REL.: .82 ... ITEM: REAL SEP.: 10.39 REL.: .99

ITEM STATISTICS: MEASURE ORDER

ENTRY NUMBER	TOTAL SCORE	TOTAL COUNT	MEASURE	MODEL S.E.	INFIT MNSQ	INFIT ZSTD	OUTFIT MNSQ	OUTFIT ZSTD	PT-MEASURE CORR.	PT-MEASURE EXP.	EXACT MATCH OBS%	EXACT MATCH EXP%	ITEM	G
41	118	616	1.99	.11	1.14	2.2	1.42	3.9	.09	.30	80.8	81.3	@632	0
48	140	616	1.75	.10	1.06	1.1	1.20	2.3	.22	.31	77.6	78.1	@649	0
1	184	616	1.34	.09	1.04	.9	1.10	1.6	.29	.34	70.9	72.2	@23	0
44	193	616	1.26	.09	.92	-2.0	.94	-1.0	.42	.34	74.4	71.1	@642	0
33	204	616	1.17	.09	1.06	1.5	1.11	2.1	.27	.34	70.9	70.0	@288	0
20	214	616	1.09	.09	.96	-1.0	.97	-.6	.39	.35	69.8	69.0	@126	0
28	221	616	1.03	.09	1.02	.7	1.10	1.9	.31	.35	69.3	68.4	@174	0
43	223	616	1.01	.09	1.25	6.8	1.36	6.7	.06	.35	57.6	68.3	@641	0
38	224	616	1.00	.09	1.09	2.7	1.16	3.2	.23	.35	64.3	68.2	@625	0
26	230	616	.96	.09	1.12	3.6	1.21	4.3	.20	.35	63.5	67.8	@165	0
14	232	616	.94	.09	1.11	3.2	1.17	3.4	.22	.35	64.1	67.6	@99	0
24	243	616	.85	.09	1.05	1.6	1.08	1.8	.29	.36	63.0	66.9	@151	0
21	247	616	.82	.09	1.11	3.3	1.19	4.2	.22	.36	63.0	66.7	@131	0
29	258	616	.74	.09	1.18	5.8	1.26	5.9	.14	.36	59.7	66.2	@175	0
36	270	616	.65	.09	1.02	.7	1.06	1.4	.33	.36	65.7	65.8	@617	0
27	271	616	.64	.09	1.16	5.4	1.23	5.5	.16	.36	57.5	65.8	@172	0
42	275	616	.61	.09	1.03	.9	1.07	1.8	.32	.36	67.2	65.7	@635	0
6	297	616	.44	.09	1.06	2.2	1.06	1.6	.29	.36	61.2	65.3	@32	0
16	297	616	.44	.09	1.13	4.2	1.15	4.0	.22	.36	58.3	65.3	@110	0
31	302	616	.41	.09	1.01	.2	1.01	.3	.36	.36	64.6	65.3	@285	0
30	304	616	.39	.09	.96	-1.5	.94	-1.7	.41	.36	66.6	65.3	@267	0
32	306	616	.38	.09	.91	-3.1	.90	-2.9	.46	.36	69.8	65.3	@286	0
19	312	616	.33	.09	.96	-1.5	.96	-1.1	.41	.36	67.7	65.3	@125	0
2	319	616	.28	.09	1.01	.2	1.00	-.1	.36	.36	64.9	65.5	@24	0
46	323	616	.25	.09	1.10	3.4	1.11	2.8	.25	.36	58.1	65.5	@645	0
40	345	616	.08	.09	1.02	.7	1.03	.7	.34	.36	66.7	66.2	@631	0
22	353	616	.02	.09	.87	-4.6	.83	-4.4	.51	.36	73.2	66.5	@147	0
9	361	616	-.04	.09	.96	-1.4	.94	-1.5	.41	.36	67.4	66.8	@49	0
34	395	616	-.31	.09	1.03	.9	1.05	.9	.31	.35	68.0	69.1	@289	0
11	411	616	-.44	.09	.93	-1.8	.92	-1.6	.42	.35	73.4	70.4	@74	0
18	411	616	-.44	.09	1.00	.0	.93	-1.2	.36	.35	67.5	70.4	@116	0
39	412	616	-.45	.09	.92	-2.2	.89	-2.0	.44	.35	72.9	70.5	@628	0
13	419	616	-.51	.09	.93	-1.9	.89	-1.9	.43	.34	74.2	71.2	@89	0
17	430	616	-.60	.09	.84	-4.0	.76	-4.3	.53	.34	76.6	72.3	@114	0
47	434	616	-.64	.09	1.01	.2	1.04	.7	.32	.34	75.8	72.7	@648	0
35	441	616	-.70	.10	1.00	.1	1.05	.8	.32	.34	75.0	73.5	@616	0
45	444	616	-.73	.10	.88	-2.9	.79	-3.4	.49	.33	75.8	73.9	@643	0
25	445	616	-.73	.10	.94	-1.4	.88	-1.8	.41	.33	76.0	74.0	@152	0
23	468	616	-.95	.10	.94	-1.2	.88	-1.6	.40	.32	77.1	76.9	@150	0
15	474	616	-1.01	.10	.85	-2.9	.77	-3.0	.49	.32	80.7	77.7	@100	0
10	477	616	-1.05	.10	.87	-2.4	.77	-3.0	.47	.31	79.9	78.2	@62	0
8	481	616	-1.09	.10	.86	-2.7	.79	-2.7	.48	.31	79.9	78.7	@43	0
37	516	616	-1.50	.11	.95	-.8	.82	-1.7	.36	.28	84.3	83.8	@620	0
7	523	616	-1.59	.12	.86	-2.0	.69	-2.9	.46	.27	85.4	84.9	@42	0
12	534	616	-1.75	.12	.86	-1.8	.60	-3.7	.46	.26	86.9	86.7	@79	0
5	538	616	-1.81	.13	.90	-1.2	.72	-2.3	.39	.26	87.3	87.3	@30	0
4	558	616	-2.17	.14	.92	-.7	.75	-1.6	.33	.23	90.6	90.6	@29	0
3	568	616	-2.39	.15	.87	-1.1	.56	-2.8	.40	.21	92.2	92.2	@27	0
MEAN	346.8	616.0	.00	.10	.99	.1	.98	.1			71.6	72.0		
S.D.	118.0	.0	1.03	.01	.10	2.5	.19	2.8			8.8	7.3		

TABLE 26.3 9th_raw.sav 9th_distractor_all_out.txt Feb 24 16:40 2013
INPUT: 616 PERSON 50 ITEM MEASURED: 616 PERSON 48 ITEM 96 CATS WINSTEPS 3.69.1.14

ITEM CATEGORY/OPTION/DISTRACTOR FREQUENCIES: CORRELATION ORDER

ENTRY NUMBER	DATA CODE	SCORE VALUE	DATA COUNT	%	AVERAGE MEASURE	S.E. MEAN	OUTF MNSQ	PTMEA CORR.	ITEM
43	.	0	10	2	-.31	.33	1.0	-.10	@641
	3	0	61	10	-.19	.10	.7	-.22	
	1	0	322	52	.44	.04	1.3	.10	
	2	1	223	36	.42*	.06	1.4	.06	
41	.	0	4	1	-.65	.40	.4	-.10	@632
	3	0	50	8	-.31	.10	.5	-.24	
	2	0	207	34	.27	.05	1.0	-.08	
	4	0	237	38	.52	.05	1.3	.15	
	1	1	118	19	.52	.08	1.5	.09	
29	3	0	137	22	.03	.06	.9	-.21	@175
	1	0	129	21	.40	.07	1.4	.03	
	4	0	86	14	.41	.08	1.3	.02	
	.	0	6	1	.41	.31	1.3	.01	
	2	1	258	42	.50	.05	1.3	.14	
27	.	0	6	1	-.36	.20	.5	-.09	@172
	1	0	81	13	-.03	.10	1.1	-.18	
	3	0	112	18	.27	.07	1.1	-.05	
	4	0	146	24	.39	.06	1.3	.02	
	2	1	271	44	.52	.05	1.3	.16	
26	3	0	66	11	-.25	.08	.6	-.25	@165
	.	0	2	0	-.10	.85	.8	-.03	
	1	0	89	14	.01	.09	.9	-.17	
	4	0	229	37	.46	.04	1.2	.09	
	2	1	230	37	.58	.06	1.3	.20	
48	.	0	8	1	.00	.35	.9	-.05	@649
	2	0	132	21	.00	.07	.8	-.23	
	1	0	146	24	.36	.07	1.1	.00	
	4	0	190	31	.38	.06	1.1	.02	
	3	1	140	23	.70	.08	1.2	.22	
16	.	0	4	1	-.21	.45	.8	-.06	@110
	1	0	109	18	.00	.08	.9	-.20	
	2	0	206	33	.29	.05	1.2	-.06	
	3	1	297	48	.55	.05	1.2	.22	
21	.	0	8	1	-.13	.23	.7	-.07	@131
	4	0	105	17	.14	.08	1.0	-.12	
	1	0	124	20	.20	.07	1.1	-.09	
	2	0	132	21	.29	.07	1.4	-.04	
	3	1	247	40	.59	.05	1.2	.22	
14	4	0	11	2	-.81	.33	.6	-.19	@99
	3	0	18	3	-.67	.15	.4	-.21	
	1	0	349	57	.29	.04	1.1	-.09	
	.	0	6	1	.45	.32	1.3	.01	
	2	1	232	38	.60	.06	1.2	.22	
38	.	0	11	2	-.16	.22	.7	-.08	@625
	3	0	108	18	-.08	.07	.7	-.24	
	1	0	171	28	.32	.06	1.1	-.03	
	2	0	102	17	.38	.09	1.4	.01	
	4	1	224	36	.62	.06	1.2	.23	
46	4	0	34	6	-.34	.14	.8	-.20	@645
	.	0	6	1	-.29	.38	.8	-.08	
	2	0	101	16	.12	.09	1.1	-.13	
	1	0	152	25	.28	.06	1.2	-.06	
	3	1	323	52	.56	.05	1.1	.25	
33	.	0	6	1	-.54	.13	.4	-.11	@288
	4	0	28	5	-.29	.18	.7	-.17	

	2	0	146	24	.16	.06	1.0	-.13	
	1	0	118	19	.29	.07	1.1	-.04	
	3	0	114	19	.32	.07	1.1	-.02	
	5	1	204	33	.68	.06	1.2	.27	
1	.	0	3	0	-.43	.20	.4	-.07	@23
	4	0	20	3	-.40	.20	.6	-.17	
	3	0	102	17	.21	.08	1.1	-.08	
	2	0	186	30	.24	.05	1.0	-.09	
	1	0	121	20	.25	.08	1.2	-.06	
	5	1	184	30	.73	.06	1.1	.29	
6	4	0	59	10	-.15	.09	.7	-.20	@32
	1	0	53	9	.00	.11	.9	-.13	
	5	0	72	12	.14	.09	1.1	-.10	
	2	0	132	21	.28	.07	1.2	-.05	
	.	0	3	0	.47	.54	1.5	.01	
	3	1	297	48	.61	.05	1.1	.29	
24	5	0	40	6	-.16	.12	.8	-.16	@151
	.	0	9	1	.09	.37	1.5	-.04	
	1	0	64	10	.12	.09	1.0	-.10	
	4	0	57	9	.15	.12	1.2	-.08	
	3	0	203	33	.24	.05	1.1	-.10	
	2	1	243	39	.67	.05	1.1	.29	
28	2	0	137	22	.10	.06	.9	-.16	@174
	1	0	72	12	.12	.09	.9	-.10	
	3	0	182	30	.23	.06	1.2	-.10	
	.	0	4	1	.58	.20	1.2	.02	
	4	1	221	36	.70	.06	1.1	.31	
34	3	0	38	6	-.46	.12	.6	-.25	@289
	.	0	6	1	-.33	.43	.9	-.08	
	1	0	177	29	.12	.06	1.1	-.18	
	2	1	395	64	.56	.04	1.0	.31	
47	.	0	9	1	-.45	.29	.7	-.12	@648
	3	0	66	11	-.22	.09	.9	-.24	
	1	0	107	17	.09	.08	1.2	-.15	
	2	1	434	70	.53	.04	1.0	.32	
35	4	0	27	4	-.77	.13	.5	-.29	@616
	.	0	8	1	-.21	.27	.8	-.08	
	1	0	58	9	.04	.10	1.1	-.12	
	3	0	82	13	.11	.10	1.3	-.12	
	2	1	441	72	.53	.04	1.0	.32	
42	.	0	9	1	.00	.25	.9	-.05	@635
	3	0	101	16	.04	.08	.9	-.17	
	1	0	101	16	.15	.08	1.1	-.11	
	4	0	130	21	.17	.06	1.0	-.12	
	2	1	275	45	.66	.05	1.1	.32	
36	.	0	7	1	-.23	.14	.6	-.08	@617
	2	0	147	24	.03	.05	.9	-.22	
	4	0	44	7	.04	.13	1.0	-.11	
	1	0	148	24	.25	.06	1.1	-.08	
	3	1	270	44	.67	.05	1.1	.33	
4	4	0	12	2	-.59	.24	.7	-.16	@29
	3	0	17	3	-.57	.17	.7	-.19	
	1	0	21	3	-.54	.16	.7	-.20	
	.	0	8	1	-.08	.27	1.1	-.06	
	2	1	558	91	.45	.03	1.0	.33	
40	1	0	63	10	-.35	.09	.7	-.28	@631
	.	0	5	1	-.15	.44	.9	-.06	
	3	0	133	22	.06	.06	1.0	-.19	
	4	0	70	11	.37	.10	1.4	.00	
	2	1	345	56	.61	.04	1.0	.34	
31	1	0	30	5	-.16	.13	.8	-.14	@285
	2	0	67	11	-.15	.12	1.0	-.21	
	.	0	6	1	-.08	.29	.8	-.05	
	5	0	76	12	.17	.07	1.0	-.09	

	4	0	135	22	.18	.06	1.0	-.12	
	3	1	302	49	.66	.05	1.0	.36	
2	4	0	41	7	-.30	.10	.6	-.21	@24
	5	0	52	8	.09	.10	1.0	-.10	
	3	0	101	16	.10	.08	1.0	-.14	
	1	0	99	16	.12	.08	1.1	-.13	
	.	0	4	1	.16	.13	.8	-.02	
	2	1	319	52	.65	.04	1.0	.36	
37	1	0	30	5	-.59	.11	.6	-.26	@620
	3	0	63	10	-.21	.09	.9	-.23	
	.	0	7	1	-.19	.37	1.2	-.07	
	2	1	516	84	.49	.04	1.0	.36	
18	2	0	200	32	-.08	.05	.9	-.36	@116
	.	0	5	1	.11	.30	1.0	-.03	
	1	1	411	67	.58	.04	1.0	.36	
20	.	0	4	1	-.89	.27	.3	-.12	@126
	1	0	117	19	-.05	.06	.7	-.24	
	3	0	138	22	.10	.06	.9	-.16	
	2	0	143	23	.31	.07	1.2	-.03	
	4	1	214	35	.80	.05	1.0	.39	
5	2	0	27	4	-.69	.12	.5	-.27	@30
	4	0	7	1	-.64	.24	.6	-.13	
	1	0	40	6	-.46	.11	.7	-.26	
	.	0	4	1	.40	.34	1.6	.00	
	3	1	538	87	.49	.03	.9	.39	
23	1	0	17	3	-.75	.19	.6	-.22	@150
	.	0	5	1	-.31	.38	.8	-.07	
	3	0	70	11	-.23	.08	.8	-.25	
	4	0	56	9	-.07	.09	1.0	-.16	
	2	1	468	76	.55	.04	1.0	.40	
3	1	0	12	2	-1.16	.16	.3	-.26	@27
	3	0	23	4	-.81	.11	.5	-.27	
	4	0	9	1	-.62	.22	.6	-.14	
	.	0	4	1	.12	.35	1.2	-.02	
	2	1	568	92	.46	.03	.9	.40	
19	2	0	119	19	-.10	.07	.8	-.27	@125
	3	0	96	16	-.02	.07	.9	-.20	
	.	0	4	1	-.02	.55	1.0	-.04	
	4	0	85	14	.21	.06	1.0	-.07	
	1	1	312	51	.70	.05	1.0	.41	
25	1	0	23	4	-.85	.09	.4	-.29	@152
	3	0	87	14	-.16	.08	.9	-.25	
	4	0	55	9	-.01	.10	1.0	-.14	
	.	0	6	1	.19	.20	1.1	-.02	
	2	1	445	72	.57	.04	.9	.41	
9	2	0	81	13	-.32	.09	.7	-.31	@49
	.	0	10	2	-.30	.14	.6	-.10	
	4	0	23	4	-.18	.16	.8	-.13	
	1	0	141	23	.14	.06	1.1	-.14	
	3	1	361	59	.65	.04	1.0	.41	
30	1	0	61	10	-.18	.10	.8	-.21	@267
	2	0	90	15	-.04	.08	.9	-.20	
	.	0	9	1	.09	.24	.9	-.04	
	3	0	152	25	.13	.06	1.0	-.16	
	4	1	304	49	.71	.04	1.0	.41	
44	.	0	10	2	-.21	.26	.7	-.09	@642
	3	0	66	11	-.12	.10	.7	-.20	
	2	0	100	16	.00	.07	.8	-.19	
	5	0	86	14	.15	.07	.9	-.10	
	1	0	161	26	.31	.06	1.1	-.04	
	4	1	193	31	.88	.06	1.0	.42	
11	.	0	4	1	-.27	.24	.6	-.06	@74
	3	0	54	9	-.22	.12	.9	-.22	

	2	0	147	24	-.11	.06	.9	-.31	
	1	1	411	67	.61	.04	.9	.42	
13	.	0	9	1	-.53	.18	.5	-.13	@89
	2	0	43	7	-.39	.11	.7	-.24	
	3	0	45	7	-.23	.11	.8	-.20	
	4	0	100	16	-.01	.07	1.0	-.19	
	1	1	419	68	.61	.04	.9	.43	
39	.	0	8	1	-.23	.26	.8	-.08	@628
	1	0	105	17	-.19	.08	.9	-.30	
	3	0	91	15	-.13	.07	.9	-.24	
	2	1	412	67	.62	.04	.9	.44	
7	1	0	13	2	-.84	.15	.4	-.21	@42
	3	0	32	5	-.66	.09	.5	-.29	
	.	0	10	2	-.65	.20	.6	-.15	
	2	0	38	6	-.32	.12	.9	-.21	
	4	1	523	85	.52	.03	.9	.46	
12	2	0	18	3	-.86	.12	.4	-.25	@79
	3	0	23	4	-.64	.13	.6	-.23	
	.	0	7	1	-.55	.19	.6	-.12	
	5	0	19	3	-.51	.11	.6	-.19	
	4	0	15	2	-.48	.13	.6	-.16	
	1	1	534	87	.51	.03	.9	.46	
32	.	0	4	1	-1.05	.16	.3	-.14	@286
	3	0	78	13	-.15	.09	.8	-.23	
	2	0	85	14	-.08	.08	.9	-.21	
	1	0	80	13	.07	.08	.9	-.14	
	5	0	63	10	.16	.08	1.0	-.08	
	4	1	306	50	.75	.04	.9	.46	
10	3	0	34	6	-.54	.12	.6	-.26	@62
	2	0	35	6	-.48	.12	.7	-.25	
	5	0	17	3	-.43	.14	.6	-.16	
	.	0	5	1	-.41	.27	.6	-.08	
	1	0	48	8	-.14	.10	.9	-.17	
	4	1	477	77	.57	.03	.9	.47	
8	4	0	22	4	-.61	.14	.6	-.22	@43
	5	0	13	2	-.60	.14	.5	-.17	
	.	0	4	1	-.45	.19	.6	-.08	
	2	0	38	6	-.41	.12	.7	-.24	
	1	0	58	9	-.25	.10	.9	-.23	
	3	1	481	78	.57	.03	.9	.48	
45	2	0	22	4	-.43	.15	.7	-.18	@643
	6	0	23	4	-.41	.16	.7	-.18	
	1	0	36	6	-.34	.12	.7	-.21	
	5	0	15	2	-.33	.20	.8	-.13	
	3	0	71	12	-.21	.06	.8	-.25	
	.	0	5	1	.09	.39	1.2	-.03	
	4	1	444	72	.61	.04	.9	.49	
15	1	0	16	3	-.63	.16	.5	-.19	@100
	2	0	46	7	-.59	.10	.6	-.32	
	3	0	75	12	-.23	.08	.9	-.26	
	.	0	5	1	-.10	.25	.8	-.05	
	4	1	474	77	.58	.03	.9	.49	
22	2	0	96	16	-.22	.07	.7	-.30	@147
	3	0	77	13	-.19	.07	.7	-.25	
	.	0	12	2	-.18	.23	.8	-.09	
	1	0	78	13	.02	.08	1.0	-.15	
	4	1	353	57	.73	.04	.9	.51	
17	.	0	6	1	-.61	.14	.4	-.12	@114
	1	0	180	29	-.30	.05	.7	-.51	
	2	1	430	70	.65	.04	.9	.53	

* Average measure does not ascend with category score

TABLE 30.1 6th_raw_demo_edit 6th_all_items_distractor_out.txt Apr 20 11:04 2013
INPUT: 1440 PERSON 38 ITEM MEASURED: 1440 PERSON 38 ITEM 76 CATS WINSTEPS 3.69.1.14

DIF class specification is: DIF=@737 (Gender)

PERSON CLASS	DIF MEASURE	DIF S.E.	PERSON CLASS	DIF MEASURE	DIF S.E.	DIF CONTRAST	JOINT S.E.	t	Welch d.f.	Welch Prob.	Mantel Prob.	Hanzl Size	ITEM Number	Name
1	-1.49	.10	2	-1.68	.10	.18	.14	1.27	INF	.2029	.1382	.10	1	@181
2	-1.68	.10	1	-1.49	.10	-.18	.14	-1.27	INF	.2029	.1382	-.10	1	@181
1	-.58	.08	2	-.73	.08	.14	.12	1.19	INF	.2331	.1864	.10	2	@198
2	-.73	.08	1	-.58	.08	-.14	.12	-1.19	INF	.2331	.1864	-.10	2	@198
1	1.10	.09	2	.97	.08	.13	.12	1.04	INF	.2979	.3588	.13	3	@199
2	.97	.08	1	1.10	.09	-.13	.12	-1.04	INF	.2979	.3588	-.13	3	@199
1	2.02	.11	2	2.02	.11	.00	.15	.00	INF	1.000	.7619	.02	4	@200
2	2.02	.11	1	2.02	.11	.00	.15	.00	INF	1.000	.7619	-.02	4	@200
1	-.33	.08	2	-.55	.08	.22	.12	1.86	INF	.0628	.0777	.17	5	@202
2	-.55	.08	1	-.33	.08	-.22	.12	-1.86	INF	.0628	.0777	-.17	5	@202
1	-.53	.08	2	-.63	.08	.10	.12	.81	INF	.4180	.3156	.11	6	@204
2	-.63	.08	1	-.53	.08	-.10	.12	-.81	INF	.4180	.3156	-.11	6	@204
1	.48	.08	2	.48	.08	.00	.11	.00	INF	1.000	.7925	.04	7	@211
2	.48	.08	1	.48	.08	.00	.11	.00	INF	1.000	.7925	-.04	7	@211
1	-.20	.08	2	-.32	.08	.12	.11	1.01	INF	.3149	.2625	.13	8	@212
2	-.32	.08	1	-.20	.08	-.12	.11	-1.01	INF	.3149	.2625	-.13	8	@212
1	.95	.09	2	1.03	.09	-.08	.12	-.66	INF	.5116	.2734	-.11	9	@214
2	1.03	.09	1	.95	.09	.08	.12	.66	INF	.5116	.2734	.11	9	@214
1	-.14	.08	2	.09	.08	-.24	.11	-2.08	INF	.0376	.0522	-.27	10	@225
2	.09	.08	1	-.14	.08	.24	.11	2.08	INF	.0376	.0522	.27	10	@225
1	-.70	.09	2	-.70	.08	.00	.12	.00	INF	1.000	.7459	.04	11	@226
2	-.70	.08	1	-.70	.09	.00	.12	.00	INF	1.000	.7459	-.04	11	@226
1	.57	.08	2	.91	.08	-.33	.12	-2.82	INF	.0048	.0006	-.37	12	@236
2	.91	.08	1	.57	.08	.33	.12	2.82	INF	.0048	.0006	.37	12	@236
1	-.92	.09	2	-.92	.09	.00	.12	.00	INF	1.000	.9703	.01	13	@239
2	-.92	.09	1	-.92	.09	.00	.12	.00	INF	1.000	.9703	-.01	13	@239
1	-.26	.08	2	-.34	.08	.08	.11	.70	INF	.4820	.4083	.12	14	@255
2	-.34	.08	1	-.26	.08	-.08	.11	-.70	INF	.4820	.4083	-.12	14	@255
1	1.20	.09	2	.86	.08	.35	.12	2.86	INF	.0043	.0055	.33	15	@262
2	.86	.08	1	1.20	.09	-.35	.12	-2.86	INF	.0043	.0055	-.33	15	@262
1	.40	.08	2	.57	.08	-.17	.11	-1.49	INF	.1361	.0827	-.20	16	@274
2	.57	.08	1	.40	.08	.17	.11	1.49	INF	.1361	.0827	.20	16	@274
1	.64	.08	2	.64	.08	.00	.12	.00	INF	1.000	.6190	.06	17	@278
2	.64	.08	1	.64	.08	.00	.12	.00	INF	1.000	.6190	-.06	17	@278
1	-.20	.08	2	-.24	.08	.04	.11	.39	INF	.6944	.4368	.09	18	@279
2	-.24	.08	1	-.20	.08	-.04	.11	-.39	INF	.6944	.4368	-.09	18	@279
1	-.26	.08	2	-.26	.08	.00	.11	.00	INF	1.000	.7976	.02	19	@280
2	-.26	.08	1	-.26	.08	.00	.11	.00	INF	1.000	.7976	-.02	19	@280
1	-.27	.08	2	-.54	.08	.26	.12	2.28	INF	.0228	.0099	.35	20	@281
2	-.54	.08	1	-.27	.08	-.26	.12	-2.28	INF	.0228	.0099	-.35	20	@281
1	-.71	.09	2	-.60	.08	-.11	.12	-.95	INF	.3433	.5708	-.11	21	@282
2	-.60	.08	1	-.71	.09	.11	.12	.95	INF	.3433	.5708	.11	21	@282
1	.17	.08	2	.07	.08	.10	.11	.92	INF	.3586	.3965	.10	22	@295
2	.07	.08	1	.17	.08	-.10	.11	-.92	INF	.3586	.3965	-.10	22	@295
1	-.73	.09	2	-.87	.09	.14	.12	1.13	INF	.2581	.1268	.12	23	@296
2	-.87	.09	1	-.73	.09	-.14	.12	-1.13	INF	.2581	.1268	-.12	23	@296
1	-.48	.08	2	-.48	.08	.00	.12	.00	INF	1.000	.5936	.08	24	@297
2	-.48	.08	1	-.48	.08	.00	.12	.00	INF	1.000	.5936	-.08	24	@297
1	-.99	.09	2	-.77	.08	-.22	.12	-1.79	INF	.0733	.1347	-.22	25	@301
2	-.77	.08	1	-.99	.09	.22	.12	1.79	INF	.0733	.1347	.22	25	@301
1	-.48	.08	2	-.24	.08	-.24	.12	-2.09	INF	.0368	.0597	-.21	26	@302
2	-.24	.08	1	-.48	.08	.24	.12	2.09	INF	.0368	.0597	.21	26	@302
1	1.02	.09	2	1.23	.09	-.20	.12	-1.65	INF	.0994	.0939	-.21	27	@327
2	1.23	.09	1	1.02	.09	.20	.12	1.65	INF	.0994	.0939	.21	27	@327
1	.79	.08	2	.79	.08	.00	.12	.00	INF	1.000	.9459	.00	28	@586
2	.79	.08	1	.79	.08	.00	.12	.00	INF	1.000	.9459	.00	28	@586
1	.81	.08	2	.76	.08	.05	.12	.46	INF	.6459	.8726	-.02	29	@588
2	.76	.08	1	.81	.08	-.05	.12	-.46	INF	.6459	.8726	.02	29	@588
1	-.16	.08	2	.25	.08	-.41	.11	-3.58	INF	.0004	.0002	-.40	30	@596
2	.25	.08	1	-.16	.08	.41	.11	3.58	INF	.0004	.0002	.40	30	@596
1	1.23	.09	2	.86	.08	.37	.12	3.04	INF	.0024	.0074	.33	31	@603
2	.86	.08	1	1.23	.09	-.37	.12	-3.04	INF	.0024	.0074	-.33	31	@603
1	-.72	.09	2	-.78	.08	.05	.12	.43	INF	.6681	.9933	.00	32	@604
2	-.78	.08	1	-.72	.09	-.05	.12	-.43	INF	.6681	.9933	.00	32	@604
1	-.30	.08	2	-.30	.08	.00	.12	.00	INF	1.000	.9424	-.02	33	@605
2	-.30	.08	1	-.30	.08	.00	.12	.00	INF	1.000	.9424	.02	33	@605

1	-.07	.08	2	.09	.08	-.16	.11	-1.44	INF	.1492	.0510	-.21	34 @607
2	.09	.08	1	-.07	.08	.16	.11	1.44	INF	.1492	.0510	.21	34 @607
1	-.28	.08	2	-.28	.08	.00	.11	.00	INF	1.000	.8398	.02	35 @608
2	-.28	.08	1	-.28	.08	.00	.11	.00	INF	1.000	.8398	-.02	35 @608
1	.18	.08	2	.44	.08	-.26	.11	-2.26	INF	.0240	.0218	-.26	36 @611
2	.44	.08	1	.18	.08	.26	.11	2.26	INF	.0240	.0218	.26	36 @611
1	-.70	.09	2	-.59	.08	-.11	.12	-.94	INF	.3458	.2454	-.15	37 @612
2	-.59	.08	1	-.70	.09	.11	.12	.94	INF	.3458	.2454	.15	37 @612
1	-.01	.08	2	-.25	.08	.24	.11	2.08	INF	.0377	.0483	.25	38 @659
2	-.25	.08	1	-.01	.08	-.24	.11	-2.08	INF	.0377	.0483	-.25	38 @659

Size of Mantel-Haenszel slice: MHSLICE = .010 logits

Category 1 = Female, Category 2 = Male

TABLE 30.4 6th_raw_demo_edit 6th_all_items_distractor_out.txt Apr 20 11:04 2013
INPUT: 1440 PERSON 38 ITEM MEASURED: 1440 PERSON 38 ITEM 76 CATS WINSTEPS 3.69.1.14

DIF class specification is: DIF=@737 (Gender)

PERSON CLASSES	SUMMARY DIF CHI-SQUARE	D.F.	PROB.	ITEM Number	Name
2	1.6208	1	.2030	1	@181
2	1.4216	1	.2331	2	@198
2	1.0834	1	.2979	3	@199
2	.0000	1	1.0000	4	@200
2	3.4597	1	.0629	5	@202
2	.6558	1	.4180	6	@204
2	.0000	1	1.0000	7	@211
2	1.0098	1	.3150	8	@212
2	.4311	1	.5114	9	@214
2	4.3233	1	.0376	10	@225
2	.0000	1	1.0000	11	@226
2	7.9443	1	.0048	12	@236
2	.0000	1	1.0000	13	@239
2	.4943	1	.4820	14	@255
2	8.1385	1	.0043	15	@262
2	2.2209	1	.1362	16	@274
2	.0000	1	1.0000	17	@278
2	.1543	1	.6945	18	@279
2	.0000	1	1.0000	19	@280
2	5.1849	1	.0228	20	@281
2	.8977	1	.3434	21	@282
2	.8424	1	.3587	22	@295
2	1.2786	1	.2582	23	@296
2	.0000	1	1.0000	24	@297
2	3.2069	1	.0733	25	@301
2	4.3571	1	.0369	26	@302
2	2.7141	1	.0995	27	@327
2	.0000	1	1.0000	28	@586
2	.2115	1	.6456	29	@588
2	12.7411	1	.0004	30	@596
2	9.2365	1	.0024	31	@603
2	.1840	1	.6680	32	@604
2	.0000	1	1.0000	33	@605
2	2.0802	1	.1492	34	@607
2	.0000	1	1.0000	35	@608
2	5.0943	1	.0240	36	@611
2	.8887	1	.3458	37	@612
2	4.3181	1	.0377	38	@659

TABLE 30.1 6th_raw_demo_edit 6th_all_items_distractor_out.txt Apr 20 11:04 2013
INPUT: 1440 PERSON 38 ITEM MEASURED: 1440 PERSON 38 ITEM 76 CATS WINSTEPS 3.69.1.14

DIF class specification is: DIF=@738 (Race/Ethnicity)

PERSON CLASS	DIF MEASURE	DIF S.E.	PERSON CLASS	DIF MEASURE	DIF S.E.	DIF CONTRAST	JOINT S.E.	t	Welch d.f.	Welch Prob.	MantelHanzl Prob.	MantelHanzl Size	ITEM Number	ITEM Name
1	-1.59	.33	2	-1.16	.28	-.43	.44	-.98	154	.3303	.6911	-.35	1	@181
1	-1.59	.33	3	-1.46	.27	-.13	.42	-.31	173	.7580	.9659	.39	1	@181
1	-1.59	.33	4	-1.72	.41	.13	.53	.26	100	.7985	.1827	+.	1	@181
1	-1.59	.33	5	-1.20	.29	-.38	.44	-.87	170	.3859	.3795	-.65	1	@181
1	-1.59	.33	7	-1.66	.09	.07	.34	.22	144	.8299	.4118	.64	1	@181
2	-1.16	.28	1	-1.59	.33	.43	.44	.98	154	.3303	.6911	.35	1	@181
2	-1.16	.28	3	-1.46	.27	.29	.39	.76	142	.4483	.9914	-.06	1	@181
2	-1.16	.28	4	-1.72	.41	.56	.50	1.13	86	.2615	.3881	-.85	1	@181
2	-1.16	.28	5	-1.20	.29	.04	.40	.11	141	.9141	.4961	-.43	1	@181
2	-1.16	.28	7	-1.66	.09	.50	.30	1.69	107	.0939	.0867	.68	1	@181
3	-1.46	.27	1	-1.59	.33	.13	.42	.31	173	.7580	.9659	-.39	1	@181
3	-1.46	.27	2	-1.16	.28	-.29	.39	-.76	142	.4483	.9914	.06	1	@181
3	-1.46	.27	4	-1.72	.41	.27	.49	.55	88	.5860	.6269	-.68	1	@181
3	-1.46	.27	5	-1.20	.29	-.25	.39	-.64	160	.5224	.4912	-.35	1	@181
3	-1.46	.27	7	-1.66	.09	.20	.28	.74	142	.4633	.7432	.22	1	@181
4	-1.72	.41	1	-1.59	.33	-.13	.53	-.26	100	.7985	.1827	-.	1	@181
4	-1.72	.41	2	-1.16	.28	-.56	.50	-1.13	86	.2615	.3881	.85	1	@181
4	-1.72	.41	3	-1.46	.27	-.27	.49	-.55	88	.5860	.6269	.68	1	@181
4	-1.72	.41	5	-1.20	.29	-.52	.50	-1.04	91	.3031	.0319	.35	1	@181
4	-1.72	.41	7	-1.66	.09	-.06	.42	-.15	56	.8844	.9486	.67	1	@181
5	-1.20	.29	1	-1.59	.33	.38	.44	.87	170	.3859	.3795	.65	1	@181
5	-1.20	.29	2	-1.16	.28	-.04	.40	-.11	141	.9141	.4961	.43	1	@181
5	-1.20	.29	3	-1.46	.27	.25	.39	.64	160	.5224	.4912	.35	1	@181
5	-1.20	.29	4	-1.72	.41	.52	.50	1.04	91	.3031	.0319	-.35	1	@181
5	-1.20	.29	7	-1.66	.09	.46	.30	1.52	131	.1320	.0978	1.13	1	@181
7	-1.66	.09	1	-1.59	.33	-.07	.34	-.22	144	.8299	.4118	-.64	1	@181
7	-1.66	.09	2	-1.16	.28	-.50	.30	-1.69	107	.0939	.0867	-.68	1	@181
7	-1.66	.09	3	-1.46	.27	-.20	.28	-.74	142	.4633	.7432	-.22	1	@181
7	-1.66	.09	4	-1.72	.41	.06	.42	.15	56	.8844	.9486	-.67	1	@181
7	-1.66	.09	5	-1.20	.29	-.46	.30	-1.52	131	.1320	.0978	-1.13	1	@181
1	-.41	.25	2	-.66	.27	.25	.36	.68	148	.4975	.6312	-.22	2	@198
1	-.41	.25	3	-1.00	.25	.59	.35	1.71	173	.0899	.3954	.17	2	@198
1	-.41	.25	4	-.44	.33	.03	.41	.07	95	.9476	.5030	-2.20	2	@198
1	-.41	.25	5	-.11	.25	-.30	.35	-.87	170	.3844	.3966	-.57	2	@198
1	-.41	.25	7	-.70	.07	.29	.26	1.13	150	.2608	.2473	.64	2	@198
2	-.66	.27	1	-.41	.25	-.25	.36	-.68	148	.4975	.6312	.22	2	@198
2	-.66	.27	3	-1.00	.25	.35	.36	.96	142	.3391	.5397	.32	2	@198
2	-.66	.27	4	-.44	.33	-.22	.43	-.51	90	.6090	.3387	-.66	2	@198
2	-.66	.27	5	-.11	.25	-.55	.36	-1.52	140	.1310	.0914	-.20	2	@198
2	-.66	.27	7	-.70	.07	.04	.27	.16	101	.8769	.6182	.39	2	@198
3	-1.00	.25	1	-.41	.25	-.59	.35	-1.71	173	.0899	.3954	-.17	2	@198
3	-1.00	.25	2	-.66	.27	-.35	.36	-.96	142	.3391	.5397	-.32	2	@198
3	-1.00	.25	4	-.44	.33	-.57	.41	-1.36	93	.1756	.6084	-.08	2	@198
3	-1.00	.25	5	-.11	.25	-.90	.35	-2.58	160	.0108	.0081	-.38	2	@198
3	-1.00	.25	7	-.70	.07	-.30	.25	-1.19	134	.2351	.1193	-.25	2	@198
4	-.44	.33	1	-.41	.25	-.03	.41	-.07	95	.9476	.5030	2.20	2	@198
4	-.44	.33	2	-.66	.27	.22	.43	.51	90	.6090	.3387	.66	2	@198
4	-.44	.33	3	-1.00	.25	.57	.41	1.36	93	.1756	.6084	.08	2	@198
4	-.44	.33	5	-.11	.25	-.33	.41	-.80	92	.4269	.7378	.62	2	@198
4	-.44	.33	7	-.70	.07	.26	.34	.77	56	.4464	.3858	.53	2	@198
5	-.11	.25	1	-.41	.25	.30	.35	.87	170	.3844	.3966	.57	2	@198
5	-.11	.25	2	-.66	.27	.55	.36	1.52	140	.1310	.0914	.20	2	@198
5	-.11	.25	3	-1.00	.25	.90	.35	2.58	160	.0108	.0081	.38	2	@198
5	-.11	.25	4	-.44	.33	.33	.41	.80	92	.4269	.7378	-.62	2	@198
5	-.11	.25	7	-.70	.07	.59	.26	2.32	128	.0222	.0129	.75	2	@198
7	-.70	.07	1	-.41	.25	-.29	.26	-1.13	150	.2608	.2473	-.64	2	@198
7	-.70	.07	2	-.66	.27	-.04	.27	-.16	101	.8769	.6182	-.39	2	@198
7	-.70	.07	3	-1.00	.25	.30	.25	1.19	134	.2351	.1193	.25	2	@198
7	-.70	.07	4	-.44	.33	-.26	.34	-.77	56	.4464	.3858	-.53	2	@198
7	-.70	.07	5	-.11	.25	-.59	.26	-2.32	128	.0222	.0129	-.75	2	@198
1	1.68	.24	2	.96	.30	.71	.39	1.85	144	.0670	.0296	1.12	3	@199
1	1.68	.24	3	1.03	.27	.64	.36	1.77	171	.0791	.1603	.15	3	@199
1	1.68	.24	4	1.16	.40	.52	.47	1.11	87	.2716	.0946	-.29	3	@199
1	1.68	.24	5	.92	.25	.76	.35	2.16	169	.0323	.0171	.44	3	@199
1	1.68	.24	7	.98	.07	.69	.25	2.73	150	.0071	.0049	.31	3	@199
2	.96	.30	1	1.68	.24	-.71	.39	-1.85	144	.0670	.0296	-1.12	3	@199

2	.96	.30	3	1.03	.27	-.07	.40	-.16	141	.8698	.8596	-.74	3	@199
2	.96	.30	4	1.16	.40	-.19	.50	-.39	88	.6974	.8076	.19	3	@199
2	.96	.30	5	.92	.25	.05	.39	.12	138	.9054	.6673	-.37	3	@199
2	.96	.30	7	.98	.07	-.02	.31	-.06	96	.9527	.8842	-.68	3	@199
3	1.03	.27	1	1.68	.24	-.64	.36	-1.77	171	.0791	.1603	-.15	3	@199
3	1.03	.27	2	.96	.30	.07	.40	.16	141	.8698	.8596	.74	3	@199
3	1.03	.27	4	1.16	.40	-.13	.48	-.27	90	.7914	.6868	-.20	3	@199
3	1.03	.27	5	.92	.25	.11	.37	.30	160	.7614	.8034	1.64	3	@199
3	1.03	.27	7	.98	.07	.05	.28	.17	128	.8642	.7369	-.27	3	@199
4	1.16	.40	1	1.68	.24	-.52	.47	-1.11	87	.2716	.0946	.29	3	@199
4	1.16	.40	2	.96	.30	.19	.50	.39	88	.6974	.8076	-.19	3	@199
4	1.16	.40	3	1.03	.27	.13	.48	.27	90	.7914	.6868	.20	3	@199
4	1.16	.40	5	.92	.25	.24	.47	.51	86	.6111	.8012	.46	3	@199
4	1.16	.40	7	.98	.07	.18	.40	.44	53	.6653	.4839	-.29	3	@199
5	.92	.25	1	1.68	.24	-.76	.35	-2.16	169	.0323	.0171	-.44	3	@199
5	.92	.25	2	.96	.30	-.05	.39	-.12	138	.9054	.6673	.37	3	@199
5	.92	.25	3	1.03	.27	-.11	.37	-.30	160	.7614	.8034	-1.64	3	@199
5	.92	.25	4	1.16	.40	-.24	.47	-.51	86	.6111	.8012	-.46	3	@199
5	.92	.25	7	.98	.07	-.06	.26	-.25	127	.8050	.8699	-.32	3	@199
7	.98	.07	1	1.68	.24	-.69	.25	-2.73	150	.0071	.0049	-.31	3	@199
7	.98	.07	2	.96	.30	.02	.31	.06	96	.9527	.8842	.68	3	@199
7	.98	.07	3	1.03	.27	-.05	.28	-.17	128	.8642	.7369	.27	3	@199
7	.98	.07	4	1.16	.40	-.18	.40	-.44	53	.6653	.4839	.29	3	@199
7	.98	.07	5	.92	.25	.06	.26	.25	127	.8050	.8699	.32	3	@199
1	2.89	.33	2	1.06	.30	1.83	.45	4.12	152	.0001	.1203	1.05	4	@200
1	2.89	.33	3	1.98	.35	.91	.48	1.91	172	.0578	.7804	.69	4	@200
1	2.89	.33	4	.60	.36	2.29	.48	4.75	105	.0000	.0594	+.	4	@200
1	2.89	.33	5	2.14	.32	.75	.45	1.66	170	.0983	.0929	.51	4	@200
1	2.89	.33	7	2.06	.09	.83	.34	2.45	147	.0154	.2281	-.02	4	@200
2	1.06	.30	1	2.89	.33	-1.83	.45	-4.12	152	.0001	.1203	-1.05	4	@200
2	1.06	.30	3	1.98	.35	-.92	.46	-1.98	145	.0494	.3489	-1.06	4	@200
2	1.06	.30	4	.60	.36	.46	.47	.98	92	.3301	.1450	.69	4	@200
2	1.06	.30	5	2.14	.32	-1.08	.44	-2.47	141	.0147	.1807	-1.77	4	@200
2	1.06	.30	7	2.06	.09	-1.01	.32	-3.19	105	.0019	.0342	-1.66	4	@200
3	1.98	.35	1	2.89	.33	-.91	.48	-1.91	172	.0578	.7804	-.69	4	@200
3	1.98	.35	2	1.06	.30	.92	.46	1.98	145	.0494	.3489	1.06	4	@200
3	1.98	.35	4	.60	.36	1.38	.50	2.76	105	.0069	.0542	.88	4	@200
3	1.98	.35	5	2.14	.32	-.16	.47	-.34	160	.7326	.2578	1.47	4	@200
3	1.98	.35	7	2.06	.09	-.09	.36	-.24	127	.8079	.8019	-.80	4	@200
4	.60	.36	1	2.89	.33	-2.29	.48	-4.75	105	.0000	.0594	-.	4	@200
4	.60	.36	2	1.06	.30	-.46	.47	-.98	92	.3301	.1450	-.69	4	@200
4	.60	.36	3	1.98	.35	-1.38	.50	-2.76	105	.0069	.0542	-.88	4	@200
4	.60	.36	5	2.14	.32	-1.54	.48	-3.24	99	.0016	.0696	-.11	4	@200
4	.60	.36	7	2.06	.09	-1.47	.37	-4.00	60	.0002	.0053	-1.46	4	@200
5	2.14	.32	1	2.89	.33	-.75	.45	-1.66	170	.0983	.0929	-.51	4	@200
5	2.14	.32	2	1.06	.30	1.08	.44	2.47	141	.0147	.1807	1.77	4	@200
5	2.14	.32	3	1.98	.35	.16	.47	.34	160	.7326	.2578	-1.47	4	@200
5	2.14	.32	4	.60	.36	1.54	.48	3.24	99	.0016	.0696	.11	4	@200
5	2.14	.32	7	2.06	.09	.07	.33	.22	128	.8231	.6653	-.88	4	@200
7	2.06	.09	1	2.89	.33	-.83	.34	-2.45	147	.0154	.2281	.02	4	@200
7	2.06	.09	2	1.06	.30	1.01	.32	3.19	105	.0019	.0342	1.66	4	@200
7	2.06	.09	3	1.98	.35	.09	.36	.24	127	.8079	.8019	.80	4	@200
7	2.06	.09	4	.60	.36	1.47	.37	4.00	60	.0002	.0053	1.46	4	@200
7	2.06	.09	5	2.14	.32	-.07	.33	-.22	128	.8231	.6653	.88	4	@200
1	-.41	.25	2	-.29	.26	-.12	.36	-.32	149	.7470	.1331	.02	5	@202
1	-.41	.25	3	-.49	.23	.08	.34	.23	173	.8156	.9178	.17	5	@202
1	-.41	.25	4	-.66	.34	.25	.42	.60	95	.5474	.3977	-.09	5	@202
1	-.41	.25	5	-.55	.26	.14	.36	.38	169	.7025	.4461	-.72	5	@202
1	-.41	.25	7	-.44	.07	.03	.26	.12	148	.9011	.8260	.34	5	@202
2	-.29	.26	1	-.41	.25	.12	.36	.32	149	.7470	.1331	-.02	5	@202
2	-.29	.26	3	-.49	.23	.20	.35	.56	141	.5787	.8412	.02	5	@202
2	-.29	.26	4	-.66	.34	.37	.43	.86	89	.3907	.3146	-.05	5	@202
2	-.29	.26	5	-.55	.26	.25	.37	.69	141	.4923	.7844	-.31	5	@202
2	-.29	.26	7	-.44	.07	.15	.27	.55	100	.5851	.6564	.10	5	@202
3	-.49	.23	1	-.41	.25	-.08	.34	-.23	173	.8156	.9178	-.17	5	@202
3	-.49	.23	2	-.29	.26	-.20	.35	-.56	141	.5787	.8412	-.02	5	@202
3	-.49	.23	4	-.66	.34	.17	.41	.42	91	.6749	.9227	-.24	5	@202
3	-.49	.23	5	-.55	.26	.06	.35	.16	160	.8707	.8030	-.41	5	@202
3	-.49	.23	7	-.44	.07	-.05	.24	-.20	134	.8454	.7248	-.08	5	@202
4	-.66	.34	1	-.41	.25	-.25	.42	-.60	95	.5474	.3977	.09	5	@202
4	-.66	.34	2	-.29	.26	-.37	.43	-.86	89	.3907	.3146	.05	5	@202
4	-.66	.34	3	-.49	.23	-.17	.41	-.42	91	.6749	.9227	.24	5	@202
4	-.66	.34	5	-.55	.26	-.12	.42	-.27	93	.7844	.7479	-.26	5	@202
4	-.66	.34	7	-.44	.07	-.22	.34	-.64	55	.5244	.4191	-.03	5	@202
5	-.55	.26	1	-.41	.25	-.14	.36	-.38	169	.7025	.4461	.72	5	@202
5	-.55	.26	2	-.29	.26	-.25	.37	-.69	141	.4923	.7844	.31	5	@202

5	-.55	.26	3	-.49	.23	-.06	.35	-.16	160	.8707	.8030	.41	5	@202
5	-.55	.26	4	-.66	.34	.12	.42	.27	93	.7844	.7479	.26	5	@202
5	-.55	.26	7	-.44	.07	-.10	.27	-.39	125	.6948	.6002	.37	5	@202
7	-.44	.07	1	-.41	.25	-.03	.26	-.12	148	.9011	.8260	-.34	5	@202
7	-.44	.07	2	-.29	.26	-.15	.27	-.55	100	.5851	.6564	-.10	5	@202
7	-.44	.07	3	-.49	.23	.05	.24	.20	134	.8454	.7248	.08	5	@202
7	-.44	.07	4	-.66	.34	.22	.34	.64	55	.5244	.4191	.03	5	@202
7	-.44	.07	5	-.55	.26	.10	.27	.39	125	.6948	.6002	-.37	5	@202
1	-.80	.27	2	-.64	.27	-.16	.38	-.43	151	.6668	.4545	-.54	6	@204
1	-.80	.27	3	-.49	.23	-.31	.35	-.88	173	.3807	.8517	-.04	6	@204
1	-.80	.27	4	.01	.34	-.81	.43	-1.89	99	.0619	.1292	-.93	6	@204
1	-.80	.27	5	-.82	.27	.02	.38	.05	169	.9610	.8818	-.15	6	@204
1	-.80	.27	7	-.58	.07	-.22	.27	-.80	144	.4271	.7047	.15	6	@204
2	-.64	.27	1	-.80	.27	.16	.38	.43	151	.6668	.4545	.54	6	@204
2	-.64	.27	3	-.49	.23	-.15	.35	-.42	141	.6731	.6481	-.06	6	@204
2	-.64	.27	4	.01	.34	-.65	.43	-1.51	90	.1341	.1207	-.57	6	@204
2	-.64	.27	5	-.82	.27	.18	.38	.48	141	.6322	.5002	.60	6	@204
2	-.64	.27	7	-.58	.07	-.06	.27	-.21	100	.8363	.7049	-.01	6	@204
3	-.49	.23	1	-.80	.27	.31	.35	.88	173	.3807	.8517	.04	6	@204
3	-.49	.23	2	-.64	.27	.15	.35	.42	141	.6731	.6481	.06	6	@204
3	-.49	.23	4	.01	.34	-.50	.41	-1.21	91	.2280	.0826	.61	6	@204
3	-.49	.23	5	-.82	.27	.33	.36	.93	159	.3544	.8666	.03	6	@204
3	-.49	.23	7	-.58	.07	.09	.24	.38	135	.7041	.9888	.25	6	@204
4	.01	.34	1	-.80	.27	.81	.43	1.89	99	.0619	.1292	.93	6	@204
4	.01	.34	2	-.64	.27	.65	.43	1.51	90	.1341	.1207	.57	6	@204
4	.01	.34	3	-.49	.23	.50	.41	1.21	91	.2280	.0826	-.61	6	@204
4	.01	.34	5	-.82	.27	.83	.43	1.93	95	.0568	.2006	.27	6	@204
4	.01	.34	7	-.58	.07	.59	.34	1.72	56	.0903	.1611	-.12	6	@204
5	-.82	.27	1	-.80	.27	-.02	.38	-.05	169	.9610	.8818	.15	6	@204
5	-.82	.27	2	-.64	.27	-.18	.38	-.48	141	.6322	.5002	-.60	6	@204
5	-.82	.27	3	-.49	.23	-.33	.36	-.93	159	.3544	.8666	-.03	6	@204
5	-.82	.27	4	.01	.34	-.83	.43	-1.93	95	.0568	.2006	-.27	6	@204
5	-.82	.27	7	-.58	.07	-.24	.28	-.86	123	.3913	.4127	-.03	6	@204
7	-.58	.07	1	-.80	.27	.22	.27	.80	144	.4271	.7047	-.15	6	@204
7	-.58	.07	2	-.64	.27	.06	.27	.21	100	.8363	.7049	.01	6	@204
7	-.58	.07	3	-.49	.23	-.09	.24	-.38	135	.7041	.9888	-.25	6	@204
7	-.58	.07	4	.01	.34	-.59	.34	-1.72	56	.0903	.1611	.12	6	@204
7	-.58	.07	5	-.82	.27	.24	.28	.86	123	.3913	.4127	.03	6	@204
1	.71	.22	2	.48	.27	.23	.35	.66	144	.5087	.1354	.20	7	@211
1	.71	.22	3	.71	.25	.01	.34	.02	171	.9880	.6645	-.32	7	@211
1	.71	.22	4	.48	.35	.23	.42	.56	89	.5737	.0765	.90	7	@211
1	.71	.22	5	.73	.25	-.02	.33	-.06	168	.9534	.7433	-.57	7	@211
1	.71	.22	7	.42	.07	.29	.23	1.23	152	.2207	.1470	.08	7	@211
2	.48	.27	1	.71	.22	-.23	.35	-.66	144	.5087	.1354	-.20	7	@211
2	.48	.27	3	.71	.25	-.23	.37	-.62	142	.5394	.4598	-.32	7	@211
2	.48	.27	4	.48	.35	.00	.44	.00	90	1.000	.5457	-.06	7	@211
2	.48	.27	5	.73	.25	-.25	.37	-.69	139	.4921	.1629	-.29	7	@211
2	.48	.27	7	.42	.07	.05	.28	.19	98	.8506	.9642	-.01	7	@211
3	.71	.25	1	.71	.22	-.01	.34	-.02	171	.9880	.6645	.32	7	@211
3	.71	.25	2	.48	.27	.23	.37	.62	142	.5394	.4598	.32	7	@211
3	.71	.25	4	.48	.35	.23	.43	.53	92	.5963	.6067	.47	7	@211
3	.71	.25	5	.73	.25	-.02	.35	-.07	160	.9446	.5709	.26	7	@211
3	.71	.25	7	.42	.07	.28	.26	1.08	129	.2822	.2499	.29	7	@211
4	.48	.35	1	.71	.22	-.23	.42	-.56	89	.5737	.0765	-.90	7	@211
4	.48	.35	2	.48	.27	.00	.44	.00	90	1.000	.5457	.06	7	@211
4	.48	.35	3	.71	.25	-.23	.43	-.53	92	.5963	.6067	-.47	7	@211
4	.48	.35	5	.73	.25	-.25	.43	-.59	91	.5543	.2043	-.36	7	@211
4	.48	.35	7	.42	.07	.05	.36	.15	54	.8817	.8919	.01	7	@211
5	.73	.25	1	.71	.22	.02	.33	.06	168	.9534	.7433	.57	7	@211
5	.73	.25	2	.48	.27	.25	.37	.69	139	.4921	.1629	.29	7	@211
5	.73	.25	3	.71	.25	.02	.35	.07	160	.9446	.5709	-.26	7	@211
5	.73	.25	4	.48	.35	.25	.43	.59	91	.5543	.2043	.36	7	@211
5	.73	.25	7	.42	.07	.31	.26	1.20	125	.2322	.1595	.38	7	@211
7	.42	.07	1	.71	.22	-.29	.23	-1.23	152	.2207	.1470	-.08	7	@211
7	.42	.07	2	.48	.27	-.05	.28	-.19	98	.8506	.9642	.01	7	@211
7	.42	.07	3	.71	.25	-.28	.26	-1.08	129	.2822	.2499	-.29	7	@211
7	.42	.07	4	.48	.35	-.05	.36	-.15	54	.8817	.8919	-.01	7	@211
7	.42	.07	5	.73	.25	-.31	.26	-1.20	125	.2322	.1595	-.38	7	@211
1	-.35	.24	2	-.29	.26	-.06	.36	-.16	148	.8756	.3927	.28	8	@212
1	-.35	.24	3	.23	.24	-.58	.34	-1.69	173	.0927	.2320	-.65	8	@212
1	-.35	.24	4	-.55	.34	.20	.41	.48	95	.6320	.1499	-.14	8	@212
1	-.35	.24	5	-.29	.25	-.06	.35	-.17	169	.8647	.7623	-.72	8	@212
1	-.35	.24	7	-.26	.07	-.09	.25	-.35	147	.7280	.8036	.10	8	@212
2	-.29	.26	1	-.35	.24	.06	.36	.16	148	.8756	.3927	-.28	8	@212
2	-.29	.26	3	.23	.24	-.52	.35	-1.47	141	.1435	.3236	-.54	8	@212
2	-.29	.26	4	-.55	.34	.26	.43	.60	90	.5498	.1199	.21	8	@212

2	-.29	.26	5	-.29	.25	.00	.36	-.01	140	.9923	.4615	-.44	8	@212
2	-.29	.26	7	-.26	.07	-.03	.27	-.12	100	.9058	.8044	-.19	8	@212
3	.23	.24	1	-.35	.24	.58	.34	1.69	173	.0927	.2320	.65	8	@212
3	.23	.24	2	-.29	.26	.52	.35	1.47	141	.1435	.3236	.54	8	@212
3	.23	.24	4	-.55	.34	.78	.41	1.88	92	.0626	.0556	.74	8	@212
3	.23	.24	5	-.29	.25	.52	.35	1.50	160	.1362	.1480	.00	8	@212
3	.23	.24	7	-.26	.07	.49	.25	1.97	133	.0505	.0919	.50	8	@212
4	-.55	.34	1	-.35	.24	-.20	.41	-.48	95	.6320	.1499	.14	8	@212
4	-.55	.34	2	-.29	.26	-.26	.43	-.60	90	.5498	.1199	-.21	8	@212
4	-.55	.34	3	.23	.24	-.78	.41	-1.88	92	.0626	.0556	-.74	8	@212
4	-.55	.34	5	-.29	.25	-.26	.42	-.62	93	.5375	.1823	-.70	8	@212
4	-.55	.34	7	-.26	.07	-.29	.34	-.84	55	.4045	.2581	-.16	8	@212
5	-.29	.25	1	-.35	.24	.06	.35	.17	169	.8647	.7623	.72	8	@212
5	-.29	.25	2	-.29	.26	.00	.36	.01	140	.9923	.4615	.44	8	@212
5	-.29	.25	3	.23	.24	-.52	.35	-1.50	160	.1362	.1480	.00	8	@212
5	-.29	.25	4	-.55	.34	.26	.42	.62	93	.5375	.1823	.70	8	@212
5	-.29	.25	7	-.26	.07	-.03	.26	-.11	125	.9124	.9254	.34	8	@212
7	-.26	.07	1	-.35	.24	.09	.25	.35	147	.7280	.8036	-.10	8	@212
7	-.26	.07	2	-.29	.26	.03	.27	.12	100	.9058	.8044	.19	8	@212
7	-.26	.07	3	.23	.24	-.49	.25	-1.97	133	.0505	.0919	-.50	8	@212
7	-.26	.07	4	-.55	.34	.29	.34	.84	55	.4045	.2581	.16	8	@212
7	-.26	.07	5	-.29	.25	.03	.26	.11	125	.9124	.9254	-.34	8	@212
1	.71	.22	2	1.15	.31	-.44	.38	-1.14	139	.2554	.1369	-.07	9	@214
1	.71	.22	3	.77	.26	-.06	.34	-.18	171	.8606	.3689	-.39	9	@214
1	.71	.22	4	.47	.35	.24	.42	.58	89	.5661	.5413	.34	9	@214
1	.71	.22	5	.73	.25	-.02	.33	-.06	168	.9534	.8843	-.31	9	@214
1	.71	.22	7	1.06	.07	-.35	.24	-1.48	156	.1407	.0921	-.48	9	@214
2	1.15	.31	1	.71	.22	.44	.38	1.14	139	.2554	.1369	.07	9	@214
2	1.15	.31	3	.77	.26	.38	.40	.94	139	.3500	.2758	.89	9	@214
2	1.15	.31	4	.47	.35	.68	.47	1.45	93	.1510	.0760	.06	9	@214
2	1.15	.31	5	.73	.25	.42	.40	1.05	136	.2942	.1738	.04	9	@214
2	1.15	.31	7	1.06	.07	.09	.32	.28	95	.7808	.2848	-.12	9	@214
3	.77	.26	1	.71	.22	.06	.34	.18	171	.8606	.3689	.39	9	@214
3	.77	.26	2	1.15	.31	-.38	.40	-.94	139	.3500	.2758	-.89	9	@214
3	.77	.26	4	.47	.35	.30	.43	.69	93	.4917	.3230	-.96	9	@214
3	.77	.26	5	.73	.25	.04	.36	.11	160	.9098	.4083	-.27	9	@214
3	.77	.26	7	1.06	.07	-.29	.27	-1.09	132	.2796	.8057	-.76	9	@214
4	.47	.35	1	.71	.22	-.24	.42	-.58	89	.5661	.5413	-.34	9	@214
4	.47	.35	2	1.15	.31	-.68	.47	-1.45	93	.1510	.0760	-.06	9	@214
4	.47	.35	3	.77	.26	-.30	.43	-.69	93	.4917	.3230	.96	9	@214
4	.47	.35	5	.73	.25	-.26	.43	-.60	91	.5471	.5679	.14	9	@214
4	.47	.35	7	1.06	.07	-.59	.36	-1.65	56	.1048	.3144	.06	9	@214
5	.73	.25	1	.71	.22	.02	.33	.06	168	.9534	.8843	.31	9	@214
5	.73	.25	2	1.15	.31	-.42	.40	-1.05	136	.2942	.1738	-.04	9	@214
5	.73	.25	3	.77	.26	-.04	.36	-.11	160	.9098	.4083	.27	9	@214
5	.73	.25	4	.47	.35	.26	.43	.60	91	.5471	.5679	-.14	9	@214
5	.73	.25	7	1.06	.07	-.33	.26	-1.28	129	.2032	.2614	-.45	9	@214
7	1.06	.07	1	.71	.22	.35	.24	1.48	156	.1407	.0921	.48	9	@214
7	1.06	.07	2	1.15	.31	-.09	.32	-.28	95	.7808	.2848	.12	9	@214
7	1.06	.07	3	.77	.26	.29	.27	1.09	132	.2796	.8057	.76	9	@214
7	1.06	.07	4	.47	.35	.59	.36	1.65	56	.1048	.3144	-.06	9	@214
7	1.06	.07	5	.73	.25	.33	.26	1.28	129	.2032	.2614	.45	9	@214
1	-.41	.25	2	-.16	.26	-.25	.36	-.70	149	.4830	.5908	-.18	10	@225
1	-.41	.25	3	.17	.24	-.58	.34	-1.70	173	.0918	.5601	-.37	10	@225
1	-.41	.25	4	.86	.37	-1.27	.45	-2.85	90	.0055	.0274	-.21	10	@225
1	-.41	.25	5	-.23	.25	-.18	.35	-.52	169	.6045	.9542	.00	10	@225
1	-.41	.25	7	-.02	.07	-.39	.25	-1.52	146	.1297	.2410	-.03	10	@225
2	-.16	.26	1	-.41	.25	.25	.36	.70	149	.4830	.5908	.18	10	@225
2	-.16	.26	3	.17	.24	-.33	.35	-.93	141	.3555	.7565	-.58	10	@225
2	-.16	.26	4	.86	.37	-1.02	.46	-2.24	86	.0277	.0037	-.69	10	@225
2	-.16	.26	5	-.23	.25	.07	.36	.20	140	.8440	.5649	-.31	10	@225
2	-.16	.26	7	-.02	.07	-.14	.27	-.50	99	.6160	.3860	-.42	10	@225
3	.17	.24	1	-.41	.25	.58	.34	1.70	173	.0918	.5601	.37	10	@225
3	.17	.24	2	-.16	.26	.33	.35	.93	141	.3555	.7565	.58	10	@225
3	.17	.24	4	.86	.37	-.69	.44	-1.57	87	.1208	.3835	-.02	10	@225
3	.17	.24	5	-.23	.25	.40	.34	1.16	160	.2478	.8174	.35	10	@225
3	.17	.24	7	-.02	.07	.19	.25	.78	132	.4375	.7338	.17	10	@225
4	.86	.37	1	-.41	.25	1.27	.45	2.85	90	.0055	.0274	.21	10	@225
4	.86	.37	2	-.16	.26	1.02	.46	2.24	86	.0277	.0037	.69	10	@225
4	.86	.37	3	.17	.24	.69	.44	1.57	87	.1208	.3835	.02	10	@225
4	.86	.37	5	-.23	.25	1.09	.45	2.43	88	.0169	.0849	.54	10	@225
4	.86	.37	7	-.02	.07	.89	.38	2.34	53	.0234	.0203	.19	10	@225
5	-.23	.25	1	-.41	.25	.18	.35	.52	169	.6045	.9542	.00	10	@225
5	-.23	.25	2	-.16	.26	-.07	.36	-.20	140	.8440	.5649	.31	10	@225
5	-.23	.25	3	.17	.24	-.40	.34	-1.16	160	.2478	.8174	-.35	10	@225
5	-.23	.25	4	.86	.37	-1.09	.45	-2.43	88	.0169	.0849	-.54	10	@225

5	-.23	.25	7	-.02	.07	-.21	.26	-.80	125	.4224	.4784	-.08	10	@225
7	-.02	.07	1	-.41	.25	.39	.25	1.52	146	.1297	.2410	.03	10	@225
7	-.02	.07	2	-.16	.26	.14	.27	.50	99	.6160	.3860	.42	10	@225
7	-.02	.07	3	.17	.24	-.19	.25	-.78	132	.4375	.7338	-.17	10	@225
7	-.02	.07	4	.86	.37	-.89	.38	-2.34	53	.0234	.0203	-.19	10	@225
7	-.02	.07	5	-.23	.25	.21	.26	.80	125	.4224	.4784	.08	10	@225
1	-.80	.27	2	-.78	.27	-.02	.38	-.05	150	.9584	.6758	.19	11	@226
1	-.80	.27	3	-.88	.24	.08	.36	.23	173	.8178	.8754	.12	11	@226
1	-.80	.27	4	-1.02	.35	.22	.44	.49	96	.6251	.3983	.10	11	@226
1	-.80	.27	5	-.97	.27	.17	.38	.43	169	.6664	.7184	.07	11	@226
1	-.80	.27	7	-.64	.07	-.16	.27	-.58	144	.5626	.5985	.22	11	@226
2	-.78	.27	1	-.80	.27	.02	.38	.05	150	.9584	.6758	-.19	11	@226
2	-.78	.27	3	-.88	.24	.10	.36	.28	141	.7766	.8741	-.15	11	@226
2	-.78	.27	4	-1.02	.35	.24	.44	.53	89	.5952	.9821	-.30	11	@226
2	-.78	.27	5	-.97	.27	.18	.38	.48	141	.6311	.3066	.11	11	@226
2	-.78	.27	7	-.64	.07	-.14	.28	-.50	100	.6153	.5646	-.06	11	@226
3	-.88	.24	1	-.80	.27	-.08	.36	-.23	173	.8178	.8754	-.12	11	@226
3	-.88	.24	2	-.78	.27	-.10	.36	-.28	141	.7766	.8741	.15	11	@226
3	-.88	.24	4	-1.02	.35	.13	.43	.31	90	.7556	.6661	-.21	11	@226
3	-.88	.24	5	-.97	.27	.08	.37	.22	159	.8226	.7268	-.29	11	@226
3	-.88	.24	7	-.64	.07	-.24	.25	-.97	134	.3363	.4186	.01	11	@226
4	-1.02	.35	1	-.80	.27	-.22	.44	-.49	96	.6251	.3983	-.10	11	@226
4	-1.02	.35	2	-.78	.27	-.24	.44	-.53	89	.5952	.9821	.30	11	@226
4	-1.02	.35	3	-.88	.24	-.13	.43	-.31	90	.7556	.6661	.21	11	@226
4	-1.02	.35	5	-.97	.27	-.05	.45	-.11	95	.9091	.7108	-.32	11	@226
4	-1.02	.35	7	-.64	.07	-.38	.36	-1.05	55	.2989	.1378	-.09	11	@226
5	-.97	.27	1	-.80	.27	-.17	.38	-.43	169	.6664	.7184	-.07	11	@226
5	-.97	.27	2	-.78	.27	-.18	.38	-.48	141	.6311	.3066	-.11	11	@226
5	-.97	.27	3	-.88	.24	-.08	.37	-.22	159	.8226	.7268	.29	11	@226
5	-.97	.27	4	-1.02	.35	.05	.45	.11	95	.9091	.7108	.32	11	@226
5	-.97	.27	7	-.64	.07	-.32	.28	-1.15	122	.2536	.3159	.05	11	@226
7	-.64	.07	1	-.80	.27	.16	.27	.58	144	.5626	.5985	-.22	11	@226
7	-.64	.07	2	-.78	.27	.14	.28	.50	100	.6153	.5646	.06	11	@226
7	-.64	.07	3	-.88	.24	.24	.25	.97	134	.3363	.4186	-.01	11	@226
7	-.64	.07	4	-1.02	.35	.38	.36	1.05	55	.2989	.1378	.09	11	@226
7	-.64	.07	5	-.97	.27	.32	.28	1.15	122	.2536	.3159	-.05	11	@226
1	1.07	.23	2	-.09	.26	1.16	.35	3.34	146	.0011	.2528	1.09	12	@236
1	1.07	.23	3	.28	.24	.79	.33	2.38	172	.0185	.3383	.23	12	@236
1	1.07	.23	4	.60	.36	.47	.42	1.12	89	.2669	.7186	.66	12	@236
1	1.07	.23	5	.61	.25	.46	.34	1.37	168	.1719	.4852	.45	12	@236
1	1.07	.23	7	.81	.07	.26	.24	1.09	153	.2757	.2353	-.23	12	@236
2	-.09	.26	1	1.07	.23	-1.16	.35	-3.34	146	.0011	.2528	-1.09	12	@236
2	-.09	.26	3	.28	.24	-.37	.36	-1.05	141	.2955	.8203	.39	12	@236
2	-.09	.26	4	.60	.36	-.69	.44	-1.55	88	.1240	.1247	-.91	12	@236
2	-.09	.26	5	.61	.25	-.70	.36	-1.95	140	.0535	.4065	-.05	12	@236
2	-.09	.26	7	.81	.07	-.90	.27	-3.33	101	.0012	.0740	-.75	12	@236
3	.28	.24	1	1.07	.23	-.79	.33	-2.38	172	.0185	.3383	-.23	12	@236
3	.28	.24	2	-.09	.26	.37	.36	1.05	141	.2955	.8203	-.39	12	@236
3	.28	.24	4	.60	.36	-.31	.43	-.73	89	.4668	.3753	-.46	12	@236
3	.28	.24	5	.61	.25	-.33	.34	-.95	160	.3431	.3548	.15	12	@236
3	.28	.24	7	.81	.07	-.53	.25	-2.11	134	.0365	.5197	-.53	12	@236
4	.60	.36	1	1.07	.23	-.47	.42	-1.12	89	.2669	.7186	-.66	12	@236
4	.60	.36	2	-.09	.26	.69	.44	1.55	88	.1240	.1247	.91	12	@236
4	.60	.36	3	.28	.24	.31	.43	.73	89	.4668	.3753	.46	12	@236
4	.60	.36	5	.61	.25	-.01	.43	-.03	90	.9767	.2704	.33	12	@236
4	.60	.36	7	.81	.07	-.21	.36	-.59	55	.5604	.6686	-.17	12	@236
5	.61	.25	1	1.07	.23	-.46	.34	-1.37	168	.1719	.4852	-.45	12	@236
5	.61	.25	2	-.09	.26	.70	.36	1.95	140	.0535	.4065	.05	12	@236
5	.61	.25	3	.28	.24	.33	.34	.95	160	.3431	.3548	-.15	12	@236
5	.61	.25	4	.60	.36	.01	.43	.03	90	.9767	.2704	-.33	12	@236
5	.61	.25	7	.81	.07	-.20	.26	-.78	127	.4348	.2354	-.53	12	@236
7	.81	.07	1	1.07	.23	-.26	.24	-1.09	153	.2757	.2353	.23	12	@236
7	.81	.07	2	-.09	.26	.90	.27	3.33	101	.0012	.0740	.75	12	@236
7	.81	.07	3	.28	.24	.53	.25	2.11	134	.0365	.5197	.53	12	@236
7	.81	.07	4	.60	.36	.21	.36	.59	55	.5604	.6686	.17	12	@236
7	.81	.07	5	.61	.25	.20	.26	.78	127	.4348	.2354	.53	12	@236
1	-1.69	.35	2	-.78	.27	-.91	.44	-2.09	155	.0386	.2065	-.28	13	@239
1	-1.69	.35	3	-1.13	.25	-.57	.43	-1.34	172	.1836	.7117	-.03	13	@239
1	-1.69	.35	4	-.44	.33	-1.26	.48	-2.62	111	.0101	.0355	-1.17	13	@239
1	-1.69	.35	5	-.89	.27	-.80	.44	-1.83	170	.0693	.0311	-.58	13	@239
1	-1.69	.35	7	-.90	.07	-.80	.35	-2.26	133	.0253	.0195	-.01	13	@239
2	-.78	.27	1	-1.69	.35	.91	.44	2.09	155	.0386	.2065	.28	13	@239
2	-.78	.27	3	-1.13	.25	.34	.37	.94	142	.3504	.5142	.38	13	@239
2	-.78	.27	4	-.44	.33	-.34	.43	-.80	91	.4240	.7003	-.25	13	@239
2	-.78	.27	5	-.89	.27	.11	.38	.29	141	.7723	.5739	-.07	13	@239
2	-.78	.27	7	-.90	.07	.11	.28	.41	102	.6805	.7565	.21	13	@239

3	-1.13	.25	1	-1.69	.35	.57	.43	1.34	172	.1836	.7117	.03	13	@239
3	-1.13	.25	2	-.78	.27	-.34	.37	-.94	142	.3504	.5142	-.38	13	@239
3	-1.13	.25	4	-.44	.33	-.69	.42	-1.65	94	.1023	.0593	-1.19	13	@239
3	-1.13	.25	5	-.89	.27	-.23	.37	-.63	160	.5277	.8042	-.22	13	@239
3	-1.13	.25	7	-.90	.07	-.23	.26	-.88	134	.3798	.4773	.11	13	@239
4	-.44	.33	1	-1.69	.35	1.26	.48	2.62	111	.0101	.0355	1.17	13	@239
4	-.44	.33	2	-.78	.27	.34	.43	.80	91	.4240	.7003	.25	13	@239
4	-.44	.33	3	-1.13	.25	.69	.42	1.65	94	.1023	.0593	1.19	13	@239
4	-.44	.33	5	-.89	.27	.45	.43	1.06	96	.2927	.6739	.32	13	@239
4	-.44	.33	7	-.90	.07	.46	.34	1.34	57	.1841	.1657	.50	13	@239
5	-.89	.27	1	-1.69	.35	.80	.44	1.83	170	.0693	.0311	.58	13	@239
5	-.89	.27	2	-.78	.27	-.11	.38	-.29	141	.7723	.5739	.07	13	@239
5	-.89	.27	3	-1.13	.25	.23	.37	.63	160	.5277	.8042	.22	13	@239
5	-.89	.27	4	-.44	.33	-.45	.43	-1.06	96	.2927	.6739	-.32	13	@239
5	-.89	.27	7	-.90	.07	.00	.28	.02	125	.9880	.9227	.59	13	@239
7	-.90	.07	1	-1.69	.35	.80	.35	2.26	133	.0253	.0195	.01	13	@239
7	-.90	.07	2	-.78	.27	-.11	.28	-.41	102	.6805	.7565	-.21	13	@239
7	-.90	.07	3	-1.13	.25	.23	.26	.88	134	.3798	.4773	-.11	13	@239
7	-.90	.07	4	-.44	.33	-.46	.34	-1.34	57	.1841	.1657	-.50	13	@239
7	-.90	.07	5	-.89	.27	.00	.28	-.02	125	.9880	.9227	-.59	13	@239
1	-.18	.24	2	-.30	.26	.12	.35	.34	148	.7307	.8814	-.66	14	@255
1	-.18	.24	3	-.44	.23	.26	.33	.77	173	.4401	.2432	.10	14	@255
1	-.18	.24	4	-.44	.33	.26	.41	.64	94	.5258	.6607	.15	14	@255
1	-.18	.24	5	-.55	.26	.37	.35	1.06	168	.2921	.4827	.06	14	@255
1	-.18	.24	7	-.28	.07	.10	.25	.40	149	.6908	.8826	.10	14	@255
2	-.30	.26	1	-.18	.24	-.12	.35	-.34	148	.7307	.8814	.66	14	@255
2	-.30	.26	3	-.44	.23	.14	.35	.39	141	.6982	.4835	.04	14	@255
2	-.30	.26	4	-.44	.33	.14	.42	.33	90	.7435	.9114	.60	14	@255
2	-.30	.26	5	-.55	.26	.25	.37	.68	141	.4997	.2266	.78	14	@255
2	-.30	.26	7	-.28	.07	-.02	.27	-.09	100	.9308	.9722	.11	14	@255
3	-.44	.23	1	-.18	.24	-.26	.33	-.77	173	.4401	.2432	-.10	14	@255
3	-.44	.23	2	-.30	.26	-.14	.35	-.39	141	.6982	.4835	-.04	14	@255
3	-.44	.23	4	-.44	.33	.00	.41	.01	91	.9945	.7568	-.10	14	@255
3	-.44	.23	5	-.55	.26	.11	.35	.32	160	.7485	.6141	-.12	14	@255
3	-.44	.23	7	-.28	.07	-.16	.24	-.66	134	.5123	.4005	-.01	14	@255
4	-.44	.33	1	-.18	.24	-.26	.41	-.64	94	.5258	.6607	-.15	14	@255
4	-.44	.33	2	-.30	.26	-.14	.42	-.33	90	.7435	.9114	-.60	14	@255
4	-.44	.33	3	-.44	.23	.00	.41	-.01	91	.9945	.7568	.10	14	@255
4	-.44	.33	5	-.55	.26	.11	.42	.26	94	.7968	.3000	.03	14	@255
4	-.44	.33	7	-.28	.07	-.16	.34	-.48	55	.6346	.4782	-.26	14	@255
5	-.55	.26	1	-.18	.24	-.37	.35	-1.06	168	.2921	.4827	-.06	14	@255
5	-.55	.26	2	-.30	.26	-.25	.37	-.68	141	.4997	.2266	-.78	14	@255
5	-.55	.26	3	-.44	.23	-.11	.35	-.32	160	.7485	.6141	.12	14	@255
5	-.55	.26	4	-.44	.33	-.11	.42	-.26	94	.7968	.3000	-.03	14	@255
5	-.55	.26	7	-.28	.07	-.27	.26	-1.02	124	.3078	.3344	.00	14	@255
7	-.28	.07	1	-.18	.24	-.10	.25	-.40	149	.6908	.8826	-.10	14	@255
7	-.28	.07	2	-.30	.26	.02	.27	.09	100	.9308	.9722	-.11	14	@255
7	-.28	.07	3	-.44	.23	.16	.24	.66	134	.5123	.4005	.01	14	@255
7	-.28	.07	4	-.44	.33	.16	.34	.48	55	.6346	.4782	.26	14	@255
7	-.28	.07	5	-.55	.26	.27	.26	1.02	124	.3078	.3344	.00	14	@255
1	.91	.23	2	.79	.29	.12	.37	.33	142	.7403	.5124	-.20	15	@262
1	.91	.23	3	.64	.25	.27	.34	.80	171	.4219	.6859	-.03	15	@262
1	.91	.23	4	.23	.34	.68	.41	1.67	90	.0993	.4026	.16	15	@262
1	.91	.23	5	.98	.25	-.07	.34	-.20	168	.8434	.7063	-.01	15	@262
1	.91	.23	7	1.11	.07	-.20	.24	-.82	157	.4112	.3995	-.34	15	@262
2	.79	.29	1	.91	.23	-.12	.37	-.33	142	.7403	.5124	.20	15	@262
2	.79	.29	3	.64	.25	.15	.38	.39	140	.6945	.4865	-.32	15	@262
2	.79	.29	4	.23	.34	.56	.45	1.25	92	.2132	.4854	.09	15	@262
2	.79	.29	5	.98	.25	-.19	.38	-.49	139	.6234	.7057	.17	15	@262
2	.79	.29	7	1.11	.07	-.32	.30	-1.07	98	.2881	.3585	-.88	15	@262
3	.64	.25	1	.91	.23	-.27	.34	-.80	171	.4219	.6859	.03	15	@262
3	.64	.25	2	.79	.29	-.15	.38	-.39	140	.6945	.4865	.32	15	@262
3	.64	.25	4	.23	.34	.41	.42	.97	93	.3366	.2791	.46	15	@262
3	.64	.25	5	.98	.25	-.34	.36	-.95	160	.3432	.3731	-.02	15	@262
3	.64	.25	7	1.11	.07	-.47	.26	-1.79	133	.0756	.1988	-.61	15	@262
4	.23	.34	1	.91	.23	-.68	.41	-1.67	90	.0993	.4026	-.16	15	@262
4	.23	.34	2	.79	.29	-.56	.45	-1.25	92	.2132	.4854	-.09	15	@262
4	.23	.34	3	.64	.25	-.41	.42	-.97	93	.3366	.2791	-.46	15	@262
4	.23	.34	5	.98	.25	-.75	.42	-1.76	93	.0814	.7893	.23	15	@262
4	.23	.34	7	1.11	.07	-.88	.35	-2.52	56	.0147	.0166	-1.21	15	@262
5	.98	.25	1	.91	.23	.07	.34	.20	168	.8434	.7063	.01	15	@262
5	.98	.25	2	.79	.29	.19	.38	.49	139	.6234	.7057	-.17	15	@262
5	.98	.25	3	.64	.25	.34	.36	.95	160	.3432	.3731	.02	15	@262
5	.98	.25	4	.23	.34	.75	.42	1.76	93	.0814	.7893	-.23	15	@262
5	.98	.25	7	1.11	.07	-.13	.26	-.49	128	.6276	.6095	-.83	15	@262
7	1.11	.07	1	.91	.23	.20	.24	.82	157	.4112	.3995	.34	15	@262

7	1.11	.07	2	.79	.29	.32	.30	1.07	98	.2881	.3585	.88	15 @262
7	1.11	.07	3	.64	.25	.47	.26	1.79	133	.0756	.1988	.61	15 @262
7	1.11	.07	4	.23	.34	.88	.35	2.52	56	.0147	.0166	1.21	15 @262
7	1.11	.07	5	.98	.25	.13	.26	.49	128	.6276	.6095	.83	15 @262
1	.31	.23	2	.26	.27	.05	.35	.13	145	.8955	.5009	.39	16 @274
1	.31	.23	3	.77	.26	-.47	.34	-1.36	171	.1749	.5595	.05	16 @274
1	.31	.23	4	-.11	.33	.41	.40	1.02	92	.3116	.2426	.06	16 @274
1	.31	.23	5	.92	.25	-.61	.34	-1.81	168	.0723	.2799	-.21	16 @274
1	.31	.23	7	.49	.07	-.18	.24	-.77	152	.4435	.3564	.12	16 @274
2	.26	.27	1	.31	.23	-.05	.35	-.13	145	.8955	.5009	-.39	16 @274
2	.26	.27	3	.77	.26	-.51	.37	-1.38	142	.1686	.5000	-.29	16 @274
2	.26	.27	4	-.11	.33	.36	.43	.85	90	.3964	.9056	-.18	16 @274
2	.26	.27	5	.92	.25	-.66	.37	-1.80	140	.0748	.0969	-.37	16 @274
2	.26	.27	7	.49	.07	-.23	.28	-.83	99	.4102	.6027	-.35	16 @274
3	.77	.26	1	.31	.23	.47	.34	1.36	171	.1749	.5595	-.05	16 @274
3	.77	.26	2	.26	.27	.51	.37	1.38	142	.1686	.5000	.29	16 @274
3	.77	.26	4	-.11	.33	.88	.42	2.08	95	.0398	.0568	.52	16 @274
3	.77	.26	5	.92	.25	-.15	.36	-.41	160	.6841	.8116	.14	16 @274
3	.77	.26	7	.49	.07	.29	.27	1.08	128	.2840	.2641	.23	16 @274
4	-.11	.33	1	.31	.23	-.41	.40	-1.02	92	.3116	.2426	-.06	16 @274
4	-.11	.33	2	.26	.27	-.36	.43	-.85	90	.3964	.9056	.18	16 @274
4	-.11	.33	3	.77	.26	-.88	.42	-2.08	95	.0398	.0568	-.52	16 @274
4	-.11	.33	5	.92	.25	-1.02	.42	-2.45	93	.0162	.0105	-.07	16 @274
4	-.11	.33	7	.49	.07	-.59	.34	-1.74	55	.0871	.1083	-.43	16 @274
5	.92	.25	1	.31	.23	.61	.34	1.81	168	.0723	.2799	.21	16 @274
5	.92	.25	2	.26	.27	.66	.37	1.80	140	.0748	.0969	.37	16 @274
5	.92	.25	3	.77	.26	.15	.36	.41	160	.6841	.8116	-.14	16 @274
5	.92	.25	4	-.11	.33	1.02	.42	2.45	93	.0162	.0105	.07	16 @274
5	.92	.25	7	.49	.07	.43	.26	1.66	125	.0997	.1079	.26	16 @274
7	.49	.07	1	.31	.23	.18	.24	.77	152	.4435	.3564	-.12	16 @274
7	.49	.07	2	.26	.27	.23	.28	.83	99	.4102	.6027	.35	16 @274
7	.49	.07	3	.77	.26	-.29	.27	-1.08	128	.2840	.2641	-.23	16 @274
7	.49	.07	4	-.11	.33	.59	.34	1.74	55	.0871	.1083	.43	16 @274
7	.49	.07	5	.92	.25	-.43	.26	-1.66	125	.0997	.1079	-.26	16 @274
1	.56	.23	2	.48	.27	.08	.35	.23	144	.8185	.2552	-.11	17 @278
1	.56	.23	3	.64	.25	-.08	.34	-.24	171	.8071	.3754	-.60	17 @278
1	.56	.23	4	.73	.36	-.17	.43	-.39	87	.6982	.2879	.69	17 @278
1	.56	.23	5	.25	.24	.31	.33	.93	168	.3534	.1739	.15	17 @278
1	.56	.23	7	.69	.07	-.13	.23	-.54	153	.5896	.8035	-.19	17 @278
2	.48	.27	1	.56	.23	-.08	.35	-.23	144	.8185	.2552	.11	17 @278
2	.48	.27	3	.64	.25	-.16	.37	-.44	141	.6598	.8007	-.53	17 @278
2	.48	.27	4	.73	.36	-.25	.46	-.54	89	.5876	.9530	+.	17 @278
2	.48	.27	5	.25	.24	.23	.37	.62	139	.5368	.8226	.23	17 @278
2	.48	.27	7	.69	.07	-.21	.28	-.74	98	.4619	.3997	-.27	17 @278
3	.64	.25	1	.56	.23	.08	.34	.24	171	.8071	.3754	.60	17 @278
3	.64	.25	2	.48	.27	.16	.37	.44	141	.6598	.8007	.53	17 @278
3	.64	.25	4	.73	.36	-.08	.44	-.19	90	.8498	.5816	.43	17 @278
3	.64	.25	5	.25	.24	.39	.35	1.12	160	.2653	.2095	.63	17 @278
3	.64	.25	7	.69	.07	-.04	.26	-.17	130	.8646	.7618	-.17	17 @278
4	.73	.36	1	.56	.23	.17	.43	.39	87	.6982	.2879	-.69	17 @278
4	.73	.36	2	.48	.27	.25	.46	.54	89	.5876	.9530	-.	17 @278
4	.73	.36	3	.64	.25	.08	.44	.19	90	.8498	.5816	-.43	17 @278
4	.73	.36	5	.25	.24	.48	.44	1.08	88	.2810	.8806	-.29	17 @278
4	.73	.36	7	.69	.07	.04	.37	.11	54	.9152	.9108	-.61	17 @278
5	.25	.24	1	.56	.23	-.31	.33	-.93	168	.3534	.1739	-.15	17 @278
5	.25	.24	2	.48	.27	-.23	.37	-.62	139	.5368	.8226	-.23	17 @278
5	.25	.24	3	.64	.25	-.39	.35	-1.12	160	.2653	.2095	-.63	17 @278
5	.25	.24	4	.73	.36	-.48	.44	-1.08	88	.2810	.8806	.29	17 @278
5	.25	.24	7	.69	.07	-.44	.25	-1.72	127	.0871	.1026	-.51	17 @278
7	.69	.07	1	.56	.23	.13	.23	.54	153	.5896	.8035	.19	17 @278
7	.69	.07	2	.48	.27	.21	.28	.74	98	.4619	.3997	.27	17 @278
7	.69	.07	3	.64	.25	.04	.26	.17	130	.8646	.7618	.17	17 @278
7	.69	.07	4	.73	.36	-.04	.37	-.11	54	.9152	.9108	.61	17 @278
7	.69	.07	5	.25	.24	.44	.25	1.72	127	.0871	.1026	.51	17 @278
1	-.01	.23	2	.19	.27	-.20	.35	-.56	146	.5740	.8954	-.16	18 @279
1	-.01	.23	3	.00	.23	-.01	.33	-.04	173	.9681	.7085	.53	18 @279
1	-.01	.23	4	-.44	.33	.43	.41	1.05	93	.2970	.0706	.54	18 @279
1	-.01	.23	5	-.05	.25	.04	.34	.10	169	.9168	.6729	-.14	18 @279
1	-.01	.23	7	-.28	.07	.27	.24	1.13	150	.2615	.0809	.50	18 @279
2	.19	.27	1	-.01	.23	.20	.35	.56	146	.5740	.8954	.16	18 @279
2	.19	.27	3	.00	.23	.19	.35	.52	141	.6011	.9872	-.16	18 @279
2	.19	.27	4	-.44	.33	.63	.43	1.47	90	.1458	.4269	1.15	18 @279
2	.19	.27	5	-.05	.25	.23	.36	.65	140	.5179	.7026	.20	18 @279
2	.19	.27	7	-.28	.07	.47	.27	1.72	99	.0880	.1183	.44	18 @279
3	.00	.23	1	-.01	.23	.01	.33	.04	173	.9681	.7085	-.53	18 @279
3	.00	.23	2	.19	.27	-.19	.35	-.52	141	.6011	.9872	.16	18 @279

3	.00	.23	4	-.44	.33	.44	.41	1.08	91	.2838	.1414	.08	18	@279
3	.00	.23	5	-.05	.25	.05	.34	.14	160	.8863	.9819	-.48	18	@279
3	.00	.23	7	-.28	.07	.29	.24	1.17	133	.2431	.4161	.04	18	@279
4	-.44	.33	1	-.01	.23	-.43	.41	-1.05	93	.2970	.0706	-.54	18	@279
4	-.44	.33	2	.19	.27	-.63	.43	-1.47	90	.1458	.4269	-1.15	18	@279
4	-.44	.33	3	.00	.23	-.44	.41	-1.08	91	.2838	.1414	-.08	18	@279
4	-.44	.33	5	-.05	.25	-.39	.41	-.94	92	.3472	.1682	.06	18	@279
4	-.44	.33	7	-.28	.07	-.15	.34	-.45	55	.6530	.3125	-.27	18	@279
5	-.05	.25	1	-.01	.23	-.04	.34	-.10	169	.9168	.6729	.14	18	@279
5	-.05	.25	2	.19	.27	-.23	.36	-.65	140	.5179	.7026	-.20	18	@279
5	-.05	.25	3	.00	.23	-.05	.34	-.14	160	.8863	.9819	.48	18	@279
5	-.05	.25	4	-.44	.33	.39	.41	.94	92	.3472	.1682	-.06	18	@279
5	-.05	.25	7	-.28	.07	.24	.25	.93	126	.3518	.2526	.43	18	@279
7	-.28	.07	1	-.01	.23	-.27	.24	-1.13	150	.2615	.0809	-.50	18	@279
7	-.28	.07	2	.19	.27	-.47	.27	-1.72	99	.0880	.1183	-.44	18	@279
7	-.28	.07	3	.00	.23	-.29	.24	-1.17	133	.2431	.4161	-.04	18	@279
7	-.28	.07	4	-.44	.33	.15	.34	.45	55	.6530	.3125	.27	18	@279
7	-.28	.07	5	-.05	.25	-.24	.25	-.93	126	.3518	.2526	-.43	18	@279
1	-.41	.25	2	.05	.26	-.46	.36	-1.27	149	.2052	.4822	-.47	19	@280
1	-.41	.25	3	-.55	.24	.13	.34	.40	173	.6932	.1129	.94	19	@280
1	-.41	.25	4	-.44	.33	.03	.41	.07	95	.9476	.9105	.80	19	@280
1	-.41	.25	5	.13	.24	-.54	.35	-1.57	170	.1187	.1045	-.67	19	@280
1	-.41	.25	7	-.26	.07	-.15	.25	-.59	147	.5538	.7623	.21	19	@280
2	.05	.26	1	-.41	.25	.46	.36	1.27	149	.2052	.4822	.47	19	@280
2	.05	.26	3	-.55	.24	.59	.35	1.68	141	.0951	.0953	.40	19	@280
2	.05	.26	4	-.44	.33	.49	.43	1.14	90	.2559	.1738	1.25	19	@280
2	.05	.26	5	.13	.24	-.08	.36	-.24	140	.8137	.9013	-.16	19	@280
2	.05	.26	7	-.26	.07	.31	.27	1.13	99	.2603	.2696	.27	19	@280
3	-.55	.24	1	-.41	.25	-.13	.34	-.40	173	.6932	.1129	-.94	19	@280
3	-.55	.24	2	.05	.26	-.59	.35	-1.68	141	.0951	.0953	-.40	19	@280
3	-.55	.24	4	-.44	.33	-.11	.41	-.26	91	.7935	.5521	-.02	19	@280
3	-.55	.24	5	.13	.24	-.68	.34	-2.00	160	.0471	.0304	-.23	19	@280
3	-.55	.24	7	-.26	.07	-.29	.24	-1.17	133	.2440	.2304	-.18	19	@280
4	-.44	.33	1	-.41	.25	-.03	.41	-.07	95	.9476	.9105	-.80	19	@280
4	-.44	.33	2	.05	.26	-.49	.43	-1.14	90	.2559	.1738	-1.25	19	@280
4	-.44	.33	3	-.55	.24	.11	.41	.26	91	.7935	.5521	.02	19	@280
4	-.44	.33	5	.13	.24	-.57	.41	-1.38	92	.1706	.4236	-.69	19	@280
4	-.44	.33	7	-.26	.07	-.18	.34	-.53	55	.6017	.6762	-.45	19	@280
5	.13	.24	1	-.41	.25	.54	.35	1.57	170	.1187	.1045	.67	19	@280
5	.13	.24	2	.05	.26	.08	.36	.24	140	.8137	.9013	.16	19	@280
5	.13	.24	3	-.55	.24	.68	.34	2.00	160	.0471	.0304	.23	19	@280
5	.13	.24	4	-.44	.33	.57	.41	1.38	92	.1706	.4236	.69	19	@280
5	.13	.24	7	-.26	.07	.39	.25	1.55	126	.1232	.0803	.42	19	@280
7	-.26	.07	1	-.41	.25	.15	.25	.59	147	.5538	.7623	-.21	19	@280
7	-.26	.07	2	.05	.26	-.31	.27	-1.13	99	.2603	.2696	-.27	19	@280
7	-.26	.07	3	-.55	.24	.29	.24	1.17	133	.2440	.2304	.18	19	@280
7	-.26	.07	4	-.44	.33	.18	.34	.53	55	.6017	.6762	.45	19	@280
7	-.26	.07	5	.13	.24	-.39	.25	-1.55	126	.1232	.0803	-.42	19	@280
1	-.12	.24	2	.19	.27	-.31	.36	-.87	147	.3860	.2964	-.22	20	@281
1	-.12	.24	3	-.38	.23	.26	.33	.78	173	.4357	.2846	.19	20	@281
1	-.12	.24	4	-.33	.33	.21	.41	.50	93	.6149	.2022	.44	20	@281
1	-.12	.24	5	-.68	.26	.56	.35	1.59	168	.1138	.1473	.20	20	@281
1	-.12	.24	7	-.45	.07	.33	.25	1.35	150	.1778	.0447	.51	20	@281
2	.19	.27	1	-.12	.24	.31	.36	.87	147	.3860	.2964	.22	20	@281
2	.19	.27	3	-.38	.23	.57	.35	1.61	140	.1105	.1486	.27	20	@281
2	.19	.27	4	-.33	.33	.51	.43	1.21	90	.2299	.4281	.36	20	@281
2	.19	.27	5	-.68	.26	.87	.37	2.33	141	.0212	.0425	.60	20	@281
2	.19	.27	7	-.45	.07	.64	.27	2.34	100	.0214	.0493	.53	20	@281
3	-.38	.23	1	-.12	.24	-.26	.33	-.78	173	.4357	.2846	-.19	20	@281
3	-.38	.23	2	.19	.27	-.57	.35	-1.61	140	.1105	.1486	-.27	20	@281
3	-.38	.23	4	-.33	.33	-.05	.41	-.13	91	.8956	.8897	.09	20	@281
3	-.38	.23	5	-.68	.26	.30	.35	.86	160	.3932	.6696	.15	20	@281
3	-.38	.23	7	-.45	.07	.07	.24	.30	135	.7655	.9085	.03	20	@281
4	-.33	.33	1	-.12	.24	-.21	.41	-.50	93	.6149	.2022	-.44	20	@281
4	-.33	.33	2	.19	.27	-.51	.43	-1.21	90	.2299	.4281	-.36	20	@281
4	-.33	.33	3	-.38	.23	.05	.41	.13	91	.8956	.8897	-.09	20	@281
4	-.33	.33	5	-.68	.26	.35	.42	.84	95	.4054	.4677	.08	20	@281
4	-.33	.33	7	-.45	.07	.13	.34	.37	56	.7116	.9456	-.17	20	@281
5	-.68	.26	1	-.12	.24	-.56	.35	-1.59	168	.1138	.1473	-.20	20	@281
5	-.68	.26	2	.19	.27	-.87	.37	-2.33	141	.0212	.0425	-.60	20	@281
5	-.68	.26	3	-.38	.23	-.30	.35	-.86	160	.3932	.6696	-.15	20	@281
5	-.68	.26	4	-.33	.33	-.35	.42	-.84	95	.4054	.4677	-.08	20	@281
5	-.68	.26	7	-.45	.07	-.23	.27	-.84	124	.4008	.4451	-.06	20	@281
7	-.45	.07	1	-.12	.24	-.33	.25	-1.35	150	.1778	.0447	-.51	20	@281
7	-.45	.07	2	.19	.27	-.64	.27	-2.34	100	.0214	.0493	-.53	20	@281
7	-.45	.07	3	-.38	.23	-.07	.24	-.30	135	.7655	.9085	-.03	20	@281

7	-.45	.07	4	-.33	.33	-.13	.34	-.37	56	.7116	.9456	.17	20 @281
7	-.45	.07	5	-.68	.26	.23	.27	.84	124	.4008	.4451	.06	20 @281
1	-.80	.27	2	-.50	.26	-.30	.37	-.81	151	.4217	.9591	-.69	21 @282
1	-.80	.27	3	-.33	.23	-.48	.35	-1.34	173	.1808	.4837	.07	21 @282
1	-.80	.27	4	-.22	.33	-.59	.43	-1.37	99	.1726	.6229	-.92	21 @282
1	-.80	.27	5	-.55	.26	-.26	.37	-.69	170	.4911	.9701	-.06	21 @282
1	-.80	.27	7	-.70	.07	-.10	.28	-.36	145	.7230	.6688	.13	21 @282
2	-.50	.26	1	-.80	.27	.30	.37	.81	151	.4217	.9591	.69	21 @282
2	-.50	.26	3	-.33	.23	-.17	.35	-.50	141	.6206	.3331	-.11	21 @282
2	-.50	.26	4	-.22	.33	-.28	.42	-.67	90	.5047	.1094	-1.00	21 @282
2	-.50	.26	5	-.55	.26	.05	.37	.13	141	.8998	.9236	.12	21 @282
2	-.50	.26	7	-.70	.07	.20	.27	.75	101	.4553	.9009	.22	21 @282
3	-.33	.23	1	-.80	.27	.48	.35	1.34	173	.1808	.4837	-.07	21 @282
3	-.33	.23	2	-.50	.26	.17	.35	.50	141	.6206	.3331	.11	21 @282
3	-.33	.23	4	-.22	.33	-.11	.41	-.27	91	.7879	.9952	.24	21 @282
3	-.33	.23	5	-.55	.26	.22	.35	.64	160	.5255	.7222	-.53	21 @282
3	-.33	.23	7	-.70	.07	.38	.24	1.55	136	.1228	.3599	.04	21 @282
4	-.22	.33	1	-.80	.27	.59	.43	1.37	99	.1726	.6229	.92	21 @282
4	-.22	.33	2	-.50	.26	.28	.42	.67	90	.5047	.1094	1.00	21 @282
4	-.22	.33	3	-.33	.23	.11	.41	.27	91	.7879	.9952	-.24	21 @282
4	-.22	.33	5	-.55	.26	.33	.42	.79	94	.4337	.6723	.62	21 @282
4	-.22	.33	7	-.70	.07	.49	.34	1.44	56	.1568	.2623	.76	21 @282
5	-.55	.26	1	-.80	.27	.26	.37	.69	170	.4911	.9701	.06	21 @282
5	-.55	.26	2	-.50	.26	-.05	.37	-.13	141	.8998	.9236	-.12	21 @282
5	-.55	.26	3	-.33	.23	-.22	.35	-.64	160	.5255	.7222	.53	21 @282
5	-.55	.26	4	-.22	.33	-.33	.42	-.79	94	.4337	.6723	-.62	21 @282
5	-.55	.26	7	-.70	.07	.16	.27	.59	126	.5546	.4976	.29	21 @282
7	-.70	.07	1	-.80	.27	.10	.28	.36	145	.7230	.6688	-.13	21 @282
7	-.70	.07	2	-.50	.26	-.20	.27	-.75	101	.4553	.9009	-.22	21 @282
7	-.70	.07	3	-.33	.23	-.38	.24	-1.55	136	.1228	.3599	-.04	21 @282
7	-.70	.07	4	-.22	.33	-.49	.34	-1.44	56	.1568	.2623	-.76	21 @282
7	-.70	.07	5	-.55	.26	-.16	.27	-.59	126	.5546	.4976	-.29	21 @282
1	.20	.23	2	.26	.27	-.06	.35	-.16	145	.8702	.6018	-.10	22 @295
1	.20	.23	3	.34	.24	-.14	.33	-.42	172	.6752	.8186	-.31	22 @295
1	.20	.23	4	-.11	.33	.31	.40	.76	92	.4500	.7328	-.11	22 @295
1	.20	.23	5	.01	.24	.19	.33	.56	168	.5753	.5863	.24	22 @295
1	.20	.23	7	.12	.07	.08	.24	.35	150	.7279	.5412	-.03	22 @295
2	.26	.27	1	.20	.23	.06	.35	.16	145	.8702	.6018	.10	22 @295
2	.26	.27	3	.34	.24	-.08	.36	-.23	141	.8204	.8670	-.71	22 @295
2	.26	.27	4	-.11	.33	.36	.43	.85	90	.3964	.3562	.72	22 @295
2	.26	.27	5	.01	.24	.25	.36	.68	139	.4993	.6122	.14	22 @295
2	.26	.27	7	.12	.07	.14	.28	.51	98	.6112	.5868	-.10	22 @295
3	.34	.24	1	.20	.23	.14	.33	.42	172	.6752	.8186	.31	22 @295
3	.34	.24	2	.26	.27	.08	.36	.23	141	.8204	.8670	.71	22 @295
3	.34	.24	4	-.11	.33	.45	.41	1.08	92	.2812	.4265	.59	22 @295
3	.34	.24	5	.01	.24	.33	.34	.95	160	.3421	.7219	.62	22 @295
3	.34	.24	7	.12	.07	.22	.25	.89	131	.3753	.2468	.17	22 @295
4	-.11	.33	1	.20	.23	-.31	.40	-.76	92	.4500	.7328	.11	22 @295
4	-.11	.33	2	.26	.27	-.36	.43	-.85	90	.3964	.3562	-.72	22 @295
4	-.11	.33	3	.34	.24	-.45	.41	-1.08	92	.2812	.4265	-.59	22 @295
4	-.11	.33	5	.01	.24	-.12	.41	-.29	92	.7747	.9063	-.22	22 @295
4	-.11	.33	7	.12	.07	-.22	.34	-.66	55	.5127	.5620	-.40	22 @295
5	.01	.24	1	.20	.23	-.19	.33	-.56	168	.5753	.5863	-.24	22 @295
5	.01	.24	2	.26	.27	-.25	.36	-.68	139	.4993	.6122	-.14	22 @295
5	.01	.24	3	.34	.24	-.33	.34	-.95	160	.3421	.7219	-.62	22 @295
5	.01	.24	4	-.11	.33	.12	.41	.29	92	.7747	.9063	.22	22 @295
5	.01	.24	7	.12	.07	-.11	.25	-.42	126	.6788	.8530	-.25	22 @295
7	.12	.07	1	.20	.23	-.08	.24	-.35	150	.7279	.5412	.03	22 @295
7	.12	.07	2	.26	.27	-.14	.28	-.51	98	.6112	.5868	.10	22 @295
7	.12	.07	3	.34	.24	-.22	.25	-.89	131	.3753	.2468	-.17	22 @295
7	.12	.07	4	-.11	.33	.22	.34	.66	55	.5127	.5620	.40	22 @295
7	.12	.07	5	.01	.24	.11	.25	.42	126	.6788	.8530	.25	22 @295
1	-1.03	.28	2	-.85	.27	-.17	.39	-.44	151	.6616	.7221	-.82	23 @296
1	-1.03	.28	3	-.71	.24	-.31	.37	-.85	173	.3960	.3690	-.10	23 @296
1	-1.03	.28	4	-.22	.33	-.81	.44	-1.86	101	.0661	.0501	-.98	23 @296
1	-1.03	.28	5	-.48	.25	-.54	.38	-1.44	170	.1530	.2303	-.06	23 @296
1	-1.03	.28	7	-.84	.07	-.18	.29	-.64	143	.5252	.9449	.13	23 @296
2	-.85	.27	1	-1.03	.28	.17	.39	.44	151	.6616	.7221	.82	23 @296
2	-.85	.27	3	-.71	.24	-.14	.36	-.39	140	.6938	.2642	-.07	23 @296
2	-.85	.27	4	-.22	.33	-.64	.43	-1.49	91	.1402	.2182	-.18	23 @296
2	-.85	.27	5	-.48	.25	-.37	.37	-1.00	140	.3168	.1166	-.06	23 @296
2	-.85	.27	7	-.84	.07	-.01	.28	-.05	101	.9616	.5358	.20	23 @296
3	-.71	.24	1	-1.03	.28	.31	.37	.85	173	.3960	.3690	.10	23 @296
3	-.71	.24	2	-.85	.27	.14	.36	.39	140	.6938	.2642	.07	23 @296
3	-.71	.24	4	-.22	.33	-.50	.41	-1.21	92	.2280	.4421	-.30	23 @296
3	-.71	.24	5	-.48	.25	-.23	.35	-.66	160	.5078	.5563	.01	23 @296

3	-.71	.24	7	-.84	.07	.13	.25	.52	137	.6047	.8788	-.16	23	@296
4	-.22	.33	1	-1.03	.28	.81	.44	1.86	101	.0661	.0501	.98	23	@296
4	-.22	.33	2	-.85	.27	.64	.43	1.49	91	.1402	.2182	.18	23	@296
4	-.22	.33	3	-.71	.24	.50	.41	1.21	92	.2280	.4421	.30	23	@296
4	-.22	.33	5	-.48	.25	.27	.42	.63	94	.5283	.8535	.26	23	@296
4	-.22	.33	7	-.84	.07	.62	.34	1.84	57	.0714	.1560	.40	23	@296
5	-.48	.25	1	-1.03	.28	.54	.38	1.44	170	.1530	.2303	.06	23	@296
5	-.48	.25	2	-.85	.27	.37	.37	1.00	140	.3168	.1166	.06	23	@296
5	-.48	.25	3	-.71	.24	.23	.35	.66	160	.5078	.5563	-.01	23	@296
5	-.48	.25	4	-.22	.33	-.27	.42	-.63	94	.5283	.8535	-.26	23	@296
5	-.48	.25	7	-.84	.07	.36	.26	1.36	128	.1755	.1417	.09	23	@296
7	-.84	.07	1	-1.03	.28	.18	.29	.64	143	.5252	.9449	-.13	23	@296
7	-.84	.07	2	-.85	.27	.01	.28	.05	101	.9616	.5358	-.20	23	@296
7	-.84	.07	3	-.71	.24	-.13	.25	-.52	137	.6047	.8788	.16	23	@296
7	-.84	.07	4	-.22	.33	-.62	.34	-1.84	57	.0714	.1560	-.40	23	@296
7	-.84	.07	5	-.48	.25	-.36	.26	-1.36	128	.1755	.1417	-.09	23	@296
1	-.66	.26	2	.05	.26	-.71	.37	-1.93	150	.0553	.4800	-.72	24	@297
1	-.66	.26	3	.00	.23	-.67	.35	-1.91	173	.0580	.8219	.11	24	@297
1	-.66	.26	4	.01	.34	-.67	.42	-1.59	97	.1161	.9262	.08	24	@297
1	-.66	.26	5	-.61	.26	-.05	.37	-.14	169	.8885	.6362	-.20	24	@297
1	-.66	.26	7	-.55	.07	-.12	.27	-.43	145	.6663	.8828	.30	24	@297
2	.05	.26	1	-.66	.26	.71	.37	1.93	150	.0553	.4800	.72	24	@297
2	.05	.26	3	.00	.23	.05	.35	.13	141	.8965	.7696	.60	24	@297
2	.05	.26	4	.01	.34	.04	.43	.10	90	.9223	.1949	1.01	24	@297
2	.05	.26	5	-.61	.26	.66	.37	1.79	141	.0755	.3193	.42	24	@297
2	.05	.26	7	-.55	.07	.60	.27	2.20	100	.0304	.1094	.40	24	@297
3	.00	.23	1	-.66	.26	.67	.35	1.91	173	.0580	.8219	-.11	24	@297
3	.00	.23	2	.05	.26	-.05	.35	-.13	141	.8965	.7696	-.60	24	@297
3	.00	.23	4	.01	.34	.00	.41	-.01	91	.9916	.7313	-.22	24	@297
3	.00	.23	5	-.61	.26	.62	.35	1.76	160	.0804	.2169	.18	24	@297
3	.00	.23	7	-.55	.07	.55	.24	2.25	135	.0259	.0440	.32	24	@297
4	.01	.34	1	-.66	.26	.67	.42	1.59	97	.1161	.9262	-.08	24	@297
4	.01	.34	2	.05	.26	-.04	.43	-.10	90	.9223	.1949	-1.01	24	@297
4	.01	.34	3	.00	.23	.00	.41	.01	91	.9916	.7313	.22	24	@297
4	.01	.34	5	-.61	.26	.62	.42	1.46	94	.1468	.4821	.15	24	@297
4	.01	.34	7	-.55	.07	.56	.34	1.62	56	.1099	.1678	.25	24	@297
5	-.61	.26	1	-.66	.26	.05	.37	.14	169	.8885	.6362	.20	24	@297
5	-.61	.26	2	.05	.26	-.66	.37	-1.79	141	.0755	.3193	-.42	24	@297
5	-.61	.26	3	.00	.23	-.62	.35	-1.76	160	.0804	.2169	-.18	24	@297
5	-.61	.26	4	.01	.34	-.62	.42	-1.46	94	.1468	.4821	-.15	24	@297
5	-.61	.26	7	-.55	.07	-.06	.27	-.24	125	.8111	.9028	.32	24	@297
7	-.55	.07	1	-.66	.26	.12	.27	.43	145	.6663	.8828	-.30	24	@297
7	-.55	.07	2	.05	.26	-.60	.27	-2.20	100	.0304	.1094	-.40	24	@297
7	-.55	.07	3	.00	.23	-.55	.24	-2.25	135	.0259	.0440	-.32	24	@297
7	-.55	.07	4	.01	.34	-.56	.34	-1.62	56	.1099	.1678	-.25	24	@297
7	-.55	.07	5	-.61	.26	.06	.27	.24	125	.8111	.9028	-.32	24	@297
1	-2.11	.40	2	-.50	.26	-1.61	.48	-3.35	155	.0010	.0140	-1.67	25	@301
1	-2.11	.40	3	-.60	.24	-1.51	.47	-3.23	167	.0015	.0474	-1.18	25	@301
1	-2.11	.40	4	-.33	.33	-1.78	.52	-3.41	117	.0009	.0066	-1.13	25	@301
1	-2.11	.40	5	-.82	.27	-1.29	.48	-2.67	168	.0084	.0163	-1.18	25	@301
1	-2.11	.40	7	-.87	.07	-1.24	.41	-3.03	127	.0030	.0052	-.12	25	@301
2	-.50	.26	1	-2.11	.40	1.61	.48	3.35	155	.0010	.0140	1.67	25	@301
2	-.50	.26	3	-.60	.24	.10	.35	.28	141	.7771	.8098	-.30	25	@301
2	-.50	.26	4	-.33	.33	-.17	.42	-.41	90	.6837	.7961	.59	25	@301
2	-.50	.26	5	-.82	.27	.32	.37	.85	141	.3949	.5255	-.43	25	@301
2	-.50	.26	7	-.87	.07	.37	.27	1.37	103	.1749	.4792	.14	25	@301
3	-.60	.24	1	-2.11	.40	1.51	.47	3.23	167	.0015	.0474	1.18	25	@301
3	-.60	.24	2	-.50	.26	-.10	.35	-.28	141	.7771	.8098	.30	25	@301
3	-.60	.24	4	-.33	.33	-.27	.41	-.67	91	.5041	.3790	-.30	25	@301
3	-.60	.24	5	-.82	.27	.22	.36	.62	159	.5385	.5254	.27	25	@301
3	-.60	.24	7	-.87	.07	.27	.25	1.10	138	.2716	.3490	.40	25	@301
4	-.33	.33	1	-2.11	.40	1.78	.52	3.41	117	.0009	.0066	1.13	25	@301
4	-.33	.33	2	-.50	.26	.17	.42	.41	90	.6837	.7961	-.59	25	@301
4	-.33	.33	3	-.60	.24	.27	.41	.67	91	.5041	.3790	.30	25	@301
4	-.33	.33	5	-.82	.27	.49	.43	1.16	96	.2507	.2303	-.02	25	@301
4	-.33	.33	7	-.87	.07	.55	.34	1.60	57	.1146	.2030	.47	25	@301
5	-.82	.27	1	-2.11	.40	1.29	.48	2.67	168	.0084	.0163	1.18	25	@301
5	-.82	.27	2	-.50	.26	-.32	.37	-.85	141	.3949	.5255	.43	25	@301
5	-.82	.27	3	-.60	.24	-.22	.36	-.62	159	.5385	.5254	-.27	25	@301
5	-.82	.27	4	-.33	.33	-.49	.43	-1.16	96	.2507	.2303	.02	25	@301
5	-.82	.27	7	-.87	.07	.05	.28	.19	126	.8506	.7937	.54	25	@301
7	-.87	.07	1	-2.11	.40	1.24	.41	3.03	127	.0030	.0052	.12	25	@301
7	-.87	.07	2	-.50	.26	-.37	.27	-1.37	103	.1749	.4792	-.14	25	@301
7	-.87	.07	3	-.60	.24	-.27	.25	-1.10	138	.2716	.3490	-.40	25	@301
7	-.87	.07	4	-.33	.33	-.55	.34	-1.60	57	.1146	.2030	-.47	25	@301
7	-.87	.07	5	-.82	.27	-.05	.28	-.19	126	.8506	.7937	-.54	25	@301

1	-.41	.25	2	-.78	.27	.37	.36	1.02	148	.3097	.4943	.00	26	@302
1	-.41	.25	3	-.66	.24	.25	.34	.72	173	.4728	.4744	.51	26	@302
1	-.41	.25	4	-.22	.33	-.19	.41	-.47	95	.6397	.9530	-.12	26	@302
1	-.41	.25	5	-.55	.26	.14	.36	.38	169	.7025	.9355	-.14	26	@302
1	-.41	.25	7	-.29	.07	-.12	.25	-.48	147	.6327	.9932	.32	26	@302
2	-.78	.27	1	-.41	.25	-.37	.36	-1.02	148	.3097	.4943	.00	26	@302
2	-.78	.27	3	-.66	.24	-.13	.36	-.35	141	.7260	.6891	-.07	26	@302
2	-.78	.27	4	-.22	.33	-.57	.43	-1.32	91	.1892	.3901	-.35	26	@302
2	-.78	.27	5	-.55	.26	-.24	.37	-.63	140	.5274	.3154	.30	26	@302
2	-.78	.27	7	-.29	.07	-.49	.28	-1.78	99	.0776	.0440	-.22	26	@302
3	-.66	.24	1	-.41	.25	-.25	.34	-.72	173	.4728	.4744	-.51	26	@302
3	-.66	.24	2	-.78	.27	.13	.36	.35	141	.7260	.6891	.07	26	@302
3	-.66	.24	4	-.22	.33	-.44	.41	-1.08	92	.2840	.6610	-.31	26	@302
3	-.66	.24	5	-.55	.26	-.11	.35	-.31	160	.7538	.3273	-.28	26	@302
3	-.66	.24	7	-.29	.07	-.37	.25	-1.50	133	.1369	.0275	-.46	26	@302
4	-.22	.33	1	-.41	.25	.19	.41	.47	95	.6397	.9530	.12	26	@302
4	-.22	.33	2	-.78	.27	.57	.43	1.32	91	.1892	.3901	.35	26	@302
4	-.22	.33	3	-.66	.24	.44	.41	1.08	92	.2840	.6610	.31	26	@302
4	-.22	.33	5	-.55	.26	.33	.42	.79	94	.4337	.6888	.25	26	@302
4	-.22	.33	7	-.29	.07	.07	.34	.21	55	.8321	.7271	-.10	26	@302
5	-.55	.26	1	-.41	.25	-.14	.36	-.38	169	.7025	.9355	.14	26	@302
5	-.55	.26	2	-.78	.27	.24	.37	.63	140	.5274	.3154	-.30	26	@302
5	-.55	.26	3	-.66	.24	.11	.35	.31	160	.7538	.3273	.28	26	@302
5	-.55	.26	4	-.22	.33	-.33	.42	-.79	94	.4337	.6888	-.25	26	@302
5	-.55	.26	7	-.29	.07	-.26	.26	-.97	124	.3318	.3717	.08	26	@302
7	-.29	.07	1	-.41	.25	.12	.25	.48	147	.6327	.9932	-.32	26	@302
7	-.29	.07	2	-.78	.27	.49	.28	1.78	99	.0776	.0440	.22	26	@302
7	-.29	.07	3	-.66	.24	.37	.25	1.50	133	.1369	.0275	.46	26	@302
7	-.29	.07	4	-.22	.33	-.07	.34	-.21	55	.8321	.7271	.10	26	@302
7	-.29	.07	5	-.55	.26	.26	.26	.97	124	.3318	.3717	-.08	26	@302
1	1.12	.23	2	.79	.29	.33	.37	.89	143	.3754	.4554	.74	27	@327
1	1.12	.23	3	.77	.26	.35	.34	1.01	171	.3120	.4378	.96	27	@327
1	1.12	.23	4	1.50	.44	-.38	.49	-.78	81	.4378	.4172	-.	27	@327
1	1.12	.23	5	1.05	.26	.07	.34	.21	168	.8304	.7458	-.19	27	@327
1	1.12	.23	7	1.16	.07	-.04	.24	-.17	156	.8678	.9145	-.09	27	@327
2	.79	.29	1	1.12	.23	-.33	.37	-.89	143	.3754	.4554	-.74	27	@327
2	.79	.29	3	.77	.26	.02	.39	.06	141	.9555	.9772	.51	27	@327
2	.79	.29	4	1.50	.44	-.71	.52	-1.36	85	.1770	.2666	.00	27	@327
2	.79	.29	5	1.05	.26	-.25	.38	-.66	139	.5112	.8541	-.22	27	@327
2	.79	.29	7	1.16	.07	-.37	.30	-1.24	99	.2190	.3416	-.95	27	@327
3	.77	.26	1	1.12	.23	-.35	.34	-1.01	171	.3120	.4378	-.96	27	@327
3	.77	.26	2	.79	.29	-.02	.39	-.06	141	.9555	.9772	-.51	27	@327
3	.77	.26	4	1.50	.44	-.73	.51	-1.45	84	.1511	.2433	.32	27	@327
3	.77	.26	5	1.05	.26	-.28	.36	-.76	160	.4485	.5945	-.01	27	@327
3	.77	.26	7	1.16	.07	-.39	.27	-1.46	133	.1469	.1545	-.88	27	@327
4	1.50	.44	1	1.12	.23	.38	.49	.78	81	.4378	.4172	+.	27	@327
4	1.50	.44	2	.79	.29	.71	.52	1.36	85	.1770	.2666	.00	27	@327
4	1.50	.44	3	.77	.26	.73	.51	1.45	84	.1511	.2433	-.32	27	@327
4	1.50	.44	5	1.05	.26	.46	.50	.91	83	.3678	.6249	.15	27	@327
4	1.50	.44	7	1.16	.07	.34	.44	.78	52	.4396	.4421	-.74	27	@327
5	1.05	.26	1	1.12	.23	-.07	.34	-.21	168	.8304	.7458	.19	27	@327
5	1.05	.26	2	.79	.29	.25	.38	.66	139	.5112	.8541	.22	27	@327
5	1.05	.26	3	.77	.26	.28	.36	.76	160	.4485	.5945	.01	27	@327
5	1.05	.26	4	1.50	.44	-.46	.50	-.91	83	.3678	.6249	-.15	27	@327
5	1.05	.26	7	1.16	.07	-.11	.27	-.43	128	.6692	.7496	-.23	27	@327
7	1.16	.07	1	1.12	.23	.04	.24	.17	156	.8678	.9145	.09	27	@327
7	1.16	.07	2	.79	.29	.37	.30	1.24	99	.2190	.3416	.95	27	@327
7	1.16	.07	3	.77	.26	.39	.27	1.46	133	.1469	.1545	.88	27	@327
7	1.16	.07	4	1.50	.44	-.34	.44	-.78	52	.4396	.4421	.74	27	@327
7	1.16	.07	5	1.05	.26	.11	.27	.43	128	.6692	.7496	.23	27	@327
1	.31	.23	2	.71	.28	-.41	.36	-1.12	143	.2653	.7449	-.13	28	@586
1	.31	.23	3	1.37	.29	-1.06	.37	-2.86	168	.0047	.1005	-1.05	28	@586
1	.31	.23	4	1.16	.40	-.85	.46	-1.86	84	.0660	.1449	-.	28	@586
1	.31	.23	5	.67	.25	-.37	.34	-1.09	168	.2777	.3828	-.03	28	@586
1	.31	.23	7	.79	.07	-.48	.24	-2.03	153	.0443	.0957	-.30	28	@586
2	.71	.28	1	.31	.23	.41	.36	1.12	143	.2653	.7449	.13	28	@586
2	.71	.28	3	1.37	.29	-.65	.41	-1.61	144	.1106	.0433	-.85	28	@586
2	.71	.28	4	1.16	.40	-.45	.49	-.91	87	.3630	.1001	.59	28	@586
2	.71	.28	5	.67	.25	.04	.38	.11	138	.9125	.9254	.10	28	@586
2	.71	.28	7	.79	.07	-.07	.29	-.25	97	.8009	.5388	-.30	28	@586
3	1.37	.29	1	.31	.23	1.06	.37	2.86	168	.0047	.1005	1.05	28	@586
3	1.37	.29	2	.71	.28	.65	.41	1.61	144	.1106	.0433	.85	28	@586
3	1.37	.29	4	1.16	.40	.21	.49	.42	93	.6755	.7437	.43	28	@586
3	1.37	.29	5	.67	.25	.70	.38	1.82	160	.0709	.1930	.97	28	@586
3	1.37	.29	7	.79	.07	.58	.30	1.93	123	.0555	.1044	.47	28	@586
4	1.16	.40	1	.31	.23	.85	.46	1.86	84	.0660	.1449	+.	28	@586

4	1.16	.40	2	.71	.28	.45	.49	.91	87	.3630	.1001	-.59	28	@586
4	1.16	.40	3	1.37	.29	-.21	.49	-.42	93	.6755	.7437	-.43	28	@586
4	1.16	.40	5	.67	.25	.49	.47	1.04	86	.2998	.1598	.69	28	@586
4	1.16	.40	7	.79	.07	.37	.40	.92	53	.3593	.5340	-.93	28	@586
5	.67	.25	1	.31	.23	.37	.34	1.09	168	.2777	.3828	.03	28	@586
5	.67	.25	2	.71	.28	-.04	.38	-.11	138	.9125	.9254	-.10	28	@586
5	.67	.25	3	1.37	.29	-.70	.38	-1.82	160	.0709	.1930	-.97	28	@586
5	.67	.25	4	1.16	.40	-.49	.47	-1.04	86	.2998	.1598	-.69	28	@586
5	.67	.25	7	.79	.07	-.12	.26	-.45	127	.6533	.5932	-.19	28	@586
7	.79	.07	1	.31	.23	.48	.24	2.03	153	.0443	.0957	.30	28	@586
7	.79	.07	2	.71	.28	.07	.29	.25	97	.8009	.5388	.30	28	@586
7	.79	.07	3	1.37	.29	-.58	.30	-1.93	123	.0555	.1044	-.47	28	@586
7	.79	.07	4	1.16	.40	-.37	.40	-.92	53	.3593	.5340	.93	28	@586
7	.79	.07	5	.67	.25	.12	.26	.45	127	.6533	.5932	.19	28	@586
1	1.17	.23	2	.40	.27	.77	.36	2.17	145	.0320	.6832	-.46	29	@588
1	1.17	.23	3	.46	.24	.72	.34	2.13	172	.0344	.5501	-.36	29	@588
1	1.17	.23	4	.73	.36	.45	.43	1.04	88	.3011	.6761	.38	29	@588
1	1.17	.23	5	.86	.25	.32	.34	.94	168	.3492	.3902	-.01	29	@588
1	1.17	.23	7	.79	.07	.39	.24	1.62	153	.1065	.5235	-.05	29	@588
2	.40	.27	1	1.17	.23	-.77	.36	-2.17	145	.0320	.6832	.46	29	@588
2	.40	.27	3	.46	.24	-.05	.37	-.15	141	.8812	.5550	.08	29	@588
2	.40	.27	4	.73	.36	-.32	.45	-.71	88	.4796	.7906	.68	29	@588
2	.40	.27	5	.86	.25	-.45	.37	-1.22	139	.2238	.2428	.17	29	@588
2	.40	.27	7	.79	.07	-.38	.28	-1.36	99	.1761	.3722	-.23	29	@588
3	.46	.24	1	1.17	.23	-.72	.34	-2.13	172	.0344	.5501	.36	29	@588
3	.46	.24	2	.40	.27	.05	.37	.15	141	.8812	.5550	-.08	29	@588
3	.46	.24	4	.73	.36	-.27	.44	-.61	89	.5432	.3170	-.43	29	@588
3	.46	.24	5	.86	.25	-.40	.35	-1.13	160	.2589	.4336	-.15	29	@588
3	.46	.24	7	.79	.07	-.33	.25	-1.29	132	.2004	.4382	-.34	29	@588
4	.73	.36	1	1.17	.23	-.45	.43	-1.04	88	.3011	.6761	-.38	29	@588
4	.73	.36	2	.40	.27	.32	.45	.71	88	.4796	.7906	-.68	29	@588
4	.73	.36	3	.46	.24	.27	.44	.61	89	.5432	.3170	.43	29	@588
4	.73	.36	5	.86	.25	-.13	.44	-.29	90	.7713	.6650	-.36	29	@588
4	.73	.36	7	.79	.07	-.06	.37	-.16	54	.8742	.9587	-.20	29	@588
5	.86	.25	1	1.17	.23	-.32	.34	-.94	168	.3492	.3902	.01	29	@588
5	.86	.25	2	.40	.27	.45	.37	1.22	139	.2238	.2428	-.17	29	@588
5	.86	.25	3	.46	.24	.40	.35	1.13	160	.2589	.4336	.15	29	@588
5	.86	.25	4	.73	.36	.13	.44	.29	90	.7713	.6650	.36	29	@588
5	.86	.25	7	.79	.07	.07	.26	.27	126	.7878	.9962	-.11	29	@588
7	.79	.07	1	1.17	.23	-.39	.24	-1.62	153	.1065	.5235	.05	29	@588
7	.79	.07	2	.40	.27	.38	.28	1.36	99	.1761	.3722	.23	29	@588
7	.79	.07	3	.46	.24	.33	.25	1.29	132	.2004	.4382	.34	29	@588
7	.79	.07	4	.73	.36	.06	.37	.16	54	.8742	.9587	.20	29	@588
7	.79	.07	5	.86	.25	-.07	.26	-.27	126	.7878	.9962	.11	29	@588
1	-.53	.25	2	.12	.26	-.65	.37	-1.79	149	.0761	.6634	-.09	30	@596
1	-.53	.25	3	.11	.24	-.65	.35	-1.88	173	.0625	.0651	-.15	30	@596
1	-.53	.25	4	.73	.36	-1.26	.44	-2.85	92	.0054	.2518	-.26	30	@596
1	-.53	.25	5	-.23	.25	-.31	.35	-.86	170	.3891	.4278	.29	30	@596
1	-.53	.25	7	.08	.07	-.62	.26	-2.37	145	.0191	.0495	-.32	30	@596
2	.12	.26	1	-.53	.25	.65	.37	1.79	149	.0761	.6634	.09	30	@596
2	.12	.26	3	.11	.24	.00	.35	.01	141	.9898	.7563	.24	30	@596
2	.12	.26	4	.73	.36	-.61	.45	-1.35	87	.1794	.0267	-.44	30	@596
2	.12	.26	5	-.23	.25	.35	.36	.96	140	.3406	.5392	.57	30	@596
2	.12	.26	7	.08	.07	.04	.27	.13	99	.8956	.7772	-.09	30	@596
3	.11	.24	1	-.53	.25	.65	.35	1.88	173	.0625	.0651	.15	30	@596
3	.11	.24	2	.12	.26	.00	.35	-.01	141	.9898	.7563	-.24	30	@596
3	.11	.24	4	.73	.36	-.61	.43	-1.41	88	.1611	.0135	-.97	30	@596
3	.11	.24	5	-.23	.25	.34	.34	1.00	160	.3196	.7093	.63	30	@596
3	.11	.24	7	.08	.07	.03	.25	.13	132	.8988	.7054	-.36	30	@596
4	.73	.36	1	-.53	.25	1.26	.44	2.85	92	.0054	.2518	.26	30	@596
4	.73	.36	2	.12	.26	.61	.45	1.35	87	.1794	.0267	.44	30	@596
4	.73	.36	3	.11	.24	.61	.43	1.41	88	.1611	.0135	.97	30	@596
4	.73	.36	5	-.23	.25	.96	.44	2.17	89	.0327	.0472	1.46	30	@596
4	.73	.36	7	.08	.07	.64	.37	1.74	54	.0870	.1320	.01	30	@596
5	-.23	.25	1	-.53	.25	.31	.35	.86	170	.3891	.4278	-.29	30	@596
5	-.23	.25	2	.12	.26	-.35	.36	-.96	140	.3406	.5392	-.57	30	@596
5	-.23	.25	3	.11	.24	-.34	.34	-1.00	160	.3196	.7093	-.63	30	@596
5	-.23	.25	4	.73	.36	-.96	.44	-2.17	89	.0327	.0472	-1.46	30	@596
5	-.23	.25	7	.08	.07	-.31	.26	-1.21	125	.2279	.2381	-.50	30	@596
7	.08	.07	1	-.53	.25	.62	.26	2.37	145	.0191	.0495	.32	30	@596
7	.08	.07	2	.12	.26	-.04	.27	-.13	99	.8956	.7772	.09	30	@596
7	.08	.07	3	.11	.24	-.03	.25	-.13	132	.8988	.7054	.36	30	@596
7	.08	.07	4	.73	.36	-.64	.37	-1.74	54	.0870	.1320	-.01	30	@596
7	.08	.07	5	-.23	.25	.31	.26	1.21	125	.2279	.2381	.50	30	@596
1	.91	.23	2	.26	.27	.66	.35	1.87	145	.0630	.3162	-.13	31	@603
1	.91	.23	3	1.03	.27	-.12	.35	-.34	170	.7352	.4556	-.52	31	@603

1	.91	.23	4	.73	.36	.19	.43	.44	88	.6612	.3394	.01	31	@603
1	.91	.23	5	1.25	.26	-.33	.35	-.96	167	.3381	.2856	-.08	31	@603
1	.91	.23	7	1.09	.07	-.18	.24	-.74	156	.4603	.3583	-.35	31	@603
2	.26	.27	1	.91	.23	-.66	.35	-1.87	145	.0630	.3162	.13	31	@603
2	.26	.27	3	1.03	.27	-.78	.38	-2.04	144	.0435	.0242	-.60	31	@603
2	.26	.27	4	.73	.36	-.47	.45	-1.04	88	.3034	.2682	.22	31	@603
2	.26	.27	5	1.25	.26	-.99	.37	-2.64	141	.0092	.0510	.00	31	@603
2	.26	.27	7	1.09	.07	-.83	.28	-3.01	101	.0033	.0122	-.87	31	@603
3	1.03	.27	1	.91	.23	.12	.35	.34	170	.7352	.4556	.52	31	@603
3	1.03	.27	2	.26	.27	.78	.38	2.04	144	.0435	.0242	.60	31	@603
3	1.03	.27	4	.73	.36	.31	.45	.68	93	.4990	.8177	.41	31	@603
3	1.03	.27	5	1.25	.26	-.21	.38	-.56	160	.5731	.5465	-.23	31	@603
3	1.03	.27	7	1.09	.07	-.06	.28	-.20	129	.8430	.6865	-.33	31	@603
4	.73	.36	1	.91	.23	-.19	.43	-.44	88	.6612	.3394	-.01	31	@603
4	.73	.36	2	.26	.27	.47	.45	1.04	88	.3034	.2682	-.22	31	@603
4	.73	.36	3	1.03	.27	-.31	.45	-.68	93	.4990	.8177	-.41	31	@603
4	.73	.36	5	1.25	.26	-.52	.45	-1.16	91	.2485	.6799	-.51	31	@603
4	.73	.36	7	1.09	.07	-.36	.37	-.98	55	.3309	.4743	-.90	31	@603
5	1.25	.26	1	.91	.23	.33	.35	.96	167	.3381	.2856	.08	31	@603
5	1.25	.26	2	.26	.27	.99	.37	2.64	141	.0092	.0510	.00	31	@603
5	1.25	.26	3	1.03	.27	.21	.38	.56	160	.5731	.5465	.23	31	@603
5	1.25	.26	4	.73	.36	.52	.45	1.16	91	.2485	.6799	.51	31	@603
5	1.25	.26	7	1.09	.07	.16	.27	.58	126	.5632	.5118	-.38	31	@603
7	1.09	.07	1	.91	.23	.18	.24	.74	156	.4603	.3583	.35	31	@603
7	1.09	.07	2	.26	.27	.83	.28	3.01	101	.0033	.0122	.87	31	@603
7	1.09	.07	3	1.03	.27	.06	.28	.20	129	.8430	.6865	.33	31	@603
7	1.09	.07	4	.73	.36	.36	.37	.98	55	.3309	.4743	.90	31	@603
7	1.09	.07	5	1.25	.26	-.16	.27	-.58	126	.5632	.5118	.38	31	@603
1	-.23	.24	2	-.50	.26	.27	.36	.75	148	.4550	.6685	-.06	32	@604
1	-.23	.24	3	-1.13	.25	.89	.35	2.58	172	.0108	.2603	.39	32	@604
1	-.23	.24	4	-.78	.34	.54	.42	1.31	93	.1950	.9066	-.24	32	@604
1	-.23	.24	5	-.55	.26	.31	.35	.89	168	.3742	.8396	.38	32	@604
1	-.23	.24	7	-.79	.07	.56	.25	2.23	152	.0269	.1822	.33	32	@604
2	-.50	.26	1	-.23	.24	-.27	.36	-.75	148	.4550	.6685	.06	32	@604
2	-.50	.26	3	-1.13	.25	.63	.36	1.72	142	.0868	.0473	.76	32	@604
2	-.50	.26	4	-.78	.34	.28	.43	.65	89	.5204	.1497	.55	32	@604
2	-.50	.26	5	-.55	.26	.05	.37	.13	141	.8998	.2041	.38	32	@604
2	-.50	.26	7	-.79	.07	.29	.27	1.07	102	.2870	.1325	.50	32	@604
3	-1.13	.25	1	-.23	.24	-.89	.35	-2.58	172	.0108	.2603	-.39	32	@604
3	-1.13	.25	2	-.50	.26	-.63	.36	-1.72	142	.0868	.0473	-.76	32	@604
3	-1.13	.25	4	-.78	.34	-.35	.42	-.82	93	.4137	.2812	-.04	32	@604
3	-1.13	.25	5	-.55	.26	-.58	.36	-1.62	160	.1078	.2039	-.27	32	@604
3	-1.13	.25	7	-.79	.07	-.33	.26	-1.29	133	.2000	.5038	.03	32	@604
4	-.78	.34	1	-.23	.24	-.54	.42	-1.31	93	.1950	.9066	.24	32	@604
4	-.78	.34	2	-.50	.26	-.28	.43	-.65	89	.5204	.1497	-.55	32	@604
4	-.78	.34	3	-1.13	.25	.35	.42	.82	93	.4137	.2812	.04	32	@604
4	-.78	.34	5	-.55	.26	-.23	.43	-.54	93	.5887	.7856	.28	32	@604
4	-.78	.34	7	-.79	.07	.01	.35	.04	56	.9699	.4444	.47	32	@604
5	-.55	.26	1	-.23	.24	-.31	.35	-.89	168	.3742	.8396	-.38	32	@604
5	-.55	.26	2	-.50	.26	-.05	.37	-.13	141	.8998	.2041	-.38	32	@604
5	-.55	.26	3	-1.13	.25	.58	.36	1.62	160	.1078	.2039	.27	32	@604
5	-.55	.26	4	-.78	.34	.23	.43	.54	93	.5887	.7856	-.28	32	@604
5	-.55	.26	7	-.79	.07	.24	.27	.92	127	.3589	.3671	.48	32	@604
7	-.79	.07	1	-.23	.24	-.56	.25	-2.23	152	.0269	.1822	-.33	32	@604
7	-.79	.07	2	-.50	.26	-.29	.27	-1.07	102	.2870	.1325	-.50	32	@604
7	-.79	.07	3	-1.13	.25	.33	.26	1.29	133	.2000	.5038	-.03	32	@604
7	-.79	.07	4	-.78	.34	-.01	.35	-.04	56	.9699	.4444	-.47	32	@604
7	-.79	.07	5	-.55	.26	-.24	.27	-.92	127	.3589	.3671	-.48	32	@604
1	-.30	.24	2	.05	.26	-.35	.36	-.98	148	.3286	.6180	-.29	33	@605
1	-.30	.24	3	-.05	.23	-.25	.34	-.74	173	.4601	.8794	-.27	33	@605
1	-.30	.24	4	-.11	.33	-.20	.41	-.48	94	.6337	.7118	-.06	33	@605
1	-.30	.24	5	-.11	.25	-.20	.34	-.57	169	.5722	.9856	.03	33	@605
1	-.30	.24	7	-.37	.07	.07	.25	.26	148	.7929	.8214	.16	33	@605
2	.05	.26	1	-.30	.24	.35	.36	.98	148	.3286	.6180	.29	33	@605
2	.05	.26	3	-.05	.23	.10	.35	.29	141	.7748	.5503	-.65	33	@605
2	.05	.26	4	-.11	.33	.15	.42	.36	90	.7190	.5155	.38	33	@605
2	.05	.26	5	-.11	.25	.16	.36	.43	140	.6678	.8072	.40	33	@605
2	.05	.26	7	-.37	.07	.42	.27	1.53	100	.1287	.4141	.05	33	@605
3	-.05	.23	1	-.30	.24	.25	.34	.74	173	.4601	.8794	.27	33	@605
3	-.05	.23	2	.05	.26	-.10	.35	-.29	141	.7748	.5503	.65	33	@605
3	-.05	.23	4	-.11	.33	.05	.41	.13	91	.8982	.2647	.65	33	@605
3	-.05	.23	5	-.11	.25	.05	.34	.16	160	.8740	.7171	.14	33	@605
3	-.05	.23	7	-.37	.07	.32	.24	1.29	134	.1983	.3512	.42	33	@605
4	-.11	.33	1	-.30	.24	.20	.41	.48	94	.6337	.7118	.06	33	@605
4	-.11	.33	2	.05	.26	-.15	.42	-.36	90	.7190	.5155	-.38	33	@605
4	-.11	.33	3	-.05	.23	-.05	.41	-.13	91	.8982	.2647	-.65	33	@605

4	-.11	.33	5	-.11	.25	.00	.41	.00	92	.9968	.6086	-.10	33	@605
4	-.11	.33	7	-.37	.07	.26	.34	.77	56	.4431	.3675	.06	33	@605
5	-.11	.25	1	-.30	.24	.20	.34	.57	169	.5722	.9856	-.03	33	@605
5	-.11	.25	2	.05	.26	-.16	.36	-.43	140	.6678	.8072	-.40	33	@605
5	-.11	.25	3	-.05	.23	-.05	.34	-.16	160	.8740	.7171	-.14	33	@605
5	-.11	.25	4	-.11	.33	.00	.41	.00	92	.9968	.6086	.10	33	@605
5	-.11	.25	7	-.37	.07	.26	.26	1.02	126	.3081	.4148	.21	33	@605
7	-.37	.07	1	-.30	.24	-.07	.25	-.26	148	.7929	.8214	-.16	33	@605
7	-.37	.07	2	.05	.26	-.42	.27	-1.53	100	.1287	.4141	-.05	33	@605
7	-.37	.07	3	-.05	.23	-.32	.24	-1.29	134	.1983	.3512	-.42	33	@605
7	-.37	.07	4	-.11	.33	-.26	.34	-.77	56	.4431	.3675	-.06	33	@605
7	-.37	.07	5	-.11	.25	-.26	.26	-1.02	126	.3081	.4148	-.21	33	@605
1	.15	.23	2	.12	.26	.03	.35	.09	146	.9288	.7247	-.11	34	@607
1	.15	.23	3	.06	.24	.09	.33	.28	173	.7809	.4757	-.43	34	@607
1	.15	.23	4	-.44	.33	.59	.40	1.45	92	.1506	.7805	-.69	34	@607
1	.15	.23	5	.55	.25	-.40	.34	-1.19	168	.2348	.1319	-.37	34	@607
1	.15	.23	7	-.03	.07	.18	.24	.75	150	.4566	.8985	-.13	34	@607
2	.12	.26	1	.15	.23	-.03	.35	-.09	146	.9288	.7247	.11	34	@607
2	.12	.26	3	.06	.24	.06	.35	.17	141	.8651	.4084	.10	34	@607
2	.12	.26	4	-.44	.33	.56	.43	1.31	90	.1952	.1344	-.05	34	@607
2	.12	.26	5	.55	.25	-.43	.36	-1.20	140	.2332	.7970	.08	34	@607
2	.12	.26	7	-.03	.07	.15	.27	.54	99	.5913	.2134	.16	34	@607
3	.06	.24	1	.15	.23	-.09	.33	-.28	173	.7809	.4757	.43	34	@607
3	.06	.24	2	.12	.26	-.06	.35	-.17	141	.8651	.4084	-.10	34	@607
3	.06	.24	4	-.44	.33	.50	.41	1.21	91	.2284	.8130	.63	34	@607
3	.06	.24	5	.55	.25	-.49	.34	-1.45	160	.1498	.6332	.32	34	@607
3	.06	.24	7	-.03	.07	.09	.24	.35	133	.7242	.2758	.34	34	@607
4	-.44	.33	1	.15	.23	-.59	.40	-1.45	92	.1506	.7805	.69	34	@607
4	-.44	.33	2	.12	.26	-.56	.43	-1.31	90	.1952	.1344	.05	34	@607
4	-.44	.33	3	.06	.24	-.50	.41	-1.21	91	.2284	.8130	-.63	34	@607
4	-.44	.33	5	.55	.25	-.99	.41	-2.38	92	.0191	.6171	-.39	34	@607
4	-.44	.33	7	-.03	.07	-.41	.34	-1.20	55	.2343	.6369	-.21	34	@607
5	.55	.25	1	.15	.23	.40	.34	1.19	168	.2348	.1319	.37	34	@607
5	.55	.25	2	.12	.26	.43	.36	1.20	140	.2332	.7970	-.08	34	@607
5	.55	.25	3	.06	.24	.49	.34	1.45	160	.1498	.6332	-.32	34	@607
5	.55	.25	4	-.44	.33	.99	.41	2.38	92	.0191	.6171	.39	34	@607
5	.55	.25	7	-.03	.07	.58	.25	2.28	126	.0243	.0626	.35	34	@607
7	-.03	.07	1	.15	.23	-.18	.24	-.75	150	.4566	.8985	.13	34	@607
7	-.03	.07	2	.12	.26	-.15	.27	-.54	99	.5913	.2134	-.16	34	@607
7	-.03	.07	3	.06	.24	-.09	.24	-.35	133	.7242	.2758	-.34	34	@607
7	-.03	.07	4	-.44	.33	.41	.34	1.20	55	.2343	.6369	.21	34	@607
7	-.03	.07	5	.55	.25	-.58	.25	-2.28	126	.0243	.0626	-.35	34	@607
1	-.23	.24	2	-.36	.26	.13	.35	.36	148	.7167	.8465	-.12	35	@608
1	-.23	.24	3	-.28	.23	.05	.33	.14	173	.8851	1.000	.00	35	@608
1	-.23	.24	4	-.90	.35	.66	.42	1.57	92	.1188	.2133	.19	35	@608
1	-.23	.24	5	-.61	.26	.38	.35	1.08	168	.2839	.1284	.03	35	@608
1	-.23	.24	7	-.24	.07	.00	.25	.01	148	.9933	.6851	.05	35	@608
2	-.36	.26	1	-.23	.24	-.13	.35	-.36	148	.7167	.8465	.12	35	@608
2	-.36	.26	3	-.28	.23	-.08	.35	-.23	141	.8186	.9642	.01	35	@608
2	-.36	.26	4	-.90	.35	.53	.43	1.23	89	.2219	.2370	.51	35	@608
2	-.36	.26	5	-.61	.26	.25	.37	.68	141	.4978	.1246	.44	35	@608
2	-.36	.26	7	-.24	.07	-.13	.27	-.47	100	.6391	.7618	-.07	35	@608
3	-.28	.23	1	-.23	.24	-.05	.33	-.14	173	.8851	1.000	.00	35	@608
3	-.28	.23	2	-.36	.26	.08	.35	.23	141	.8186	.9642	-.01	35	@608
3	-.28	.23	4	-.90	.35	.61	.42	1.47	89	.1447	.0573	.62	35	@608
3	-.28	.23	5	-.61	.26	.33	.35	.95	160	.3442	.1695	-.30	35	@608
3	-.28	.23	7	-.24	.07	-.05	.24	-.19	134	.8489	.9296	.09	35	@608
4	-.90	.35	1	-.23	.24	-.66	.42	-1.57	92	.1188	.2133	-.19	35	@608
4	-.90	.35	2	-.36	.26	-.53	.43	-1.23	89	.2219	.2370	-.51	35	@608
4	-.90	.35	3	-.28	.23	-.61	.42	-1.47	89	.1447	.0573	-.62	35	@608
4	-.90	.35	5	-.61	.26	-.28	.43	-.66	93	.5135	.5679	-.87	35	@608
4	-.90	.35	7	-.24	.07	-.66	.35	-1.88	55	.0661	.0550	-.57	35	@608
5	-.61	.26	1	-.23	.24	-.38	.35	-1.08	168	.2839	.1284	-.03	35	@608
5	-.61	.26	2	-.36	.26	-.25	.37	-.68	141	.4978	.1246	-.44	35	@608
5	-.61	.26	3	-.28	.23	-.33	.35	-.95	160	.3442	.1695	.30	35	@608
5	-.61	.26	4	-.90	.35	.28	.43	.66	93	.5135	.5679	.87	35	@608
5	-.61	.26	7	-.24	.07	-.38	.27	-1.41	123	.1606	.1880	.05	35	@608
7	-.24	.07	1	-.23	.24	.00	.25	-.01	148	.9933	.6851	-.05	35	@608
7	-.24	.07	2	-.36	.26	.13	.27	.47	100	.6391	.7618	.07	35	@608
7	-.24	.07	3	-.28	.23	.05	.24	.19	134	.8489	.9296	-.09	35	@608
7	-.24	.07	4	-.90	.35	.66	.35	1.88	55	.0661	.0550	.57	35	@608
7	-.24	.07	5	-.61	.26	.38	.27	1.41	123	.1606	.1880	-.05	35	@608
1	.51	.23	2	.48	.27	.03	.35	.09	144	.9308	.6062	-.33	36	@611
1	.51	.23	3	.28	.24	.23	.33	.69	172	.4923	.8856	.00	36	@611
1	.51	.23	4	-.11	.33	.61	.40	1.53	91	.1301	.2061	-.12	36	@611
1	.51	.23	5	-.11	.25	.62	.33	1.85	168	.0664	.0342	.33	36	@611

1	.51	.23	7	.33	.07	.18	.23	.77	152	.4431	.2821	.34	36	@611
2	.48	.27	1	.51	.23	-.03	.35	-.09	144	.9308	.6062	.33	36	@611
2	.48	.27	3	.28	.24	.20	.36	.54	140	.5922	.7188	-.38	36	@611
2	.48	.27	4	-.11	.33	.58	.43	1.35	91	.1795	.4358	.60	36	@611
2	.48	.27	5	-.11	.25	.59	.37	1.59	139	.1142	.1057	.32	36	@611
2	.48	.27	7	.33	.07	.15	.28	.53	97	.5970	.7121	-.20	36	@611
3	.28	.24	1	.51	.23	-.23	.33	-.69	172	.4923	.8856	.00	36	@611
3	.28	.24	2	.48	.27	-.20	.36	-.54	140	.5922	.7188	.38	36	@611
3	.28	.24	4	-.11	.33	.39	.41	.95	92	.3469	.1058	.83	36	@611
3	.28	.24	5	-.11	.25	.39	.34	1.13	160	.2581	.1543	.51	36	@611
3	.28	.24	7	.33	.07	-.05	.25	-.19	132	.8533	.9733	-.12	36	@611
4	-.11	.33	1	.51	.23	-.61	.40	-1.53	91	.1301	.2061	.12	36	@611
4	-.11	.33	2	.48	.27	-.58	.43	-1.35	91	.1795	.4358	-.60	36	@611
4	-.11	.33	3	.28	.24	-.39	.41	-.95	92	.3469	.1058	-.83	36	@611
4	-.11	.33	5	-.11	.25	.00	.41	.00	92	.9968	.8354	.06	36	@611
4	-.11	.33	7	.33	.07	-.43	.34	-1.28	55	.2065	.1817	-.56	36	@611
5	-.11	.25	1	.51	.23	-.62	.33	-1.85	168	.0664	.0342	-.33	36	@611
5	-.11	.25	2	.48	.27	-.59	.37	-1.59	139	.1142	.1057	-.32	36	@611
5	-.11	.25	3	.28	.24	-.39	.34	-1.13	160	.2581	.1543	-.51	36	@611
5	-.11	.25	4	-.11	.33	.00	.41	.00	92	.9968	.8354	-.06	36	@611
5	-.11	.25	7	.33	.07	-.44	.25	-1.71	125	.0894	.0991	-.38	36	@611
7	.33	.07	1	.51	.23	-.18	.23	-.77	152	.4431	.2821	-.34	36	@611
7	.33	.07	2	.48	.27	-.15	.28	-.53	97	.5970	.7121	.20	36	@611
7	.33	.07	3	.28	.24	.05	.25	.19	132	.8533	.9733	.12	36	@611
7	.33	.07	4	-.11	.33	.43	.34	1.28	55	.2065	.1817	.56	36	@611
7	.33	.07	5	-.11	.25	.44	.25	1.71	125	.0894	.0991	.38	36	@611
1	-.35	.24	2	-.78	.27	.43	.36	1.19	148	.2362	.3942	.17	37	@612
1	-.35	.24	3	-.77	.24	.42	.34	1.23	173	.2216	.1733	.61	37	@612
1	-.35	.24	4	-.78	.34	.43	.42	1.02	94	.3105	.3197	1.30	37	@612
1	-.35	.24	5	-.89	.27	.54	.36	1.49	168	.1387	.0875	1.10	37	@612
1	-.35	.24	7	-.64	.07	.29	.25	1.15	149	.2507	.6078	.46	37	@612
2	-.78	.27	1	-.35	.24	-.43	.36	-1.19	148	.2362	.3942	-.17	37	@612
2	-.78	.27	3	-.77	.24	-.01	.36	-.04	141	.9719	.8870	-.20	37	@612
2	-.78	.27	4	-.78	.34	.00	.43	-.01	90	.9933	.6704	-.27	37	@612
2	-.78	.27	5	-.89	.27	.11	.38	.29	141	.7723	.3789	.32	37	@612
2	-.78	.27	7	-.64	.07	-.14	.28	-.50	100	.6161	.8114	-.01	37	@612
3	-.77	.24	1	-.35	.24	-.42	.34	-1.23	173	.2216	.1733	-.61	37	@612
3	-.77	.24	2	-.78	.27	.01	.36	.04	141	.9719	.8870	.20	37	@612
3	-.77	.24	4	-.78	.34	.01	.42	.02	91	.9827	.8279	.01	37	@612
3	-.77	.24	5	-.89	.27	.12	.36	.34	159	.7333	.6096	.51	37	@612
3	-.77	.24	7	-.64	.07	-.13	.25	-.51	134	.6108	.8409	.32	37	@612
4	-.78	.34	1	-.35	.24	-.43	.42	-1.02	94	.3105	.3197	-1.30	37	@612
4	-.78	.34	2	-.78	.27	.00	.43	.01	90	.9933	.6704	.27	37	@612
4	-.78	.34	3	-.77	.24	-.01	.42	-.02	91	.9827	.8279	-.01	37	@612
4	-.78	.34	5	-.89	.27	.11	.44	.26	95	.7938	.4030	.92	37	@612
4	-.78	.34	7	-.64	.07	-.14	.35	-.39	56	.6980	.9512	.39	37	@612
5	-.89	.27	1	-.35	.24	-.54	.36	-1.49	168	.1387	.0875	-1.10	37	@612
5	-.89	.27	2	-.78	.27	-.11	.38	-.29	141	.7723	.3789	-.32	37	@612
5	-.89	.27	3	-.77	.24	-.12	.36	-.34	159	.7333	.6096	-.51	37	@612
5	-.89	.27	4	-.78	.34	-.11	.44	-.26	95	.7938	.4030	-.92	37	@612
5	-.89	.27	7	-.64	.07	-.25	.28	-.90	123	.3724	.2770	-.06	37	@612
7	-.64	.07	1	-.35	.24	-.29	.25	-1.15	149	.2507	.6078	-.46	37	@612
7	-.64	.07	2	-.78	.27	.14	.28	.50	100	.6161	.8114	.01	37	@612
7	-.64	.07	3	-.77	.24	.13	.25	.51	134	.6108	.8409	-.32	37	@612
7	-.64	.07	4	-.78	.34	.14	.35	.39	56	.6980	.9512	-.39	37	@612
7	-.64	.07	5	-.89	.27	.25	.28	.90	123	.3724	.2770	.06	37	@612
1	-.07	.23	2	-.02	.26	-.04	.35	-.13	147	.8989	.7674	-.09	38	@659
1	-.07	.23	3	-.44	.23	.37	.33	1.12	173	.2663	.1434	.34	38	@659
1	-.07	.23	4	.35	.34	-.42	.42	-1.00	92	.3193	.3749	-.80	38	@659
1	-.07	.23	5	.13	.24	-.20	.34	-.59	169	.5579	.7964	-.36	38	@659
1	-.07	.23	7	-.16	.07	.09	.24	.38	149	.7054	.9609	.10	38	@659
2	-.02	.26	1	-.07	.23	.04	.35	.13	147	.8989	.7674	.09	38	@659
2	-.02	.26	3	-.44	.23	.41	.35	1.18	141	.2409	.2576	.16	38	@659
2	-.02	.26	4	.35	.34	-.37	.43	-.86	89	.3920	.2523	-.60	38	@659
2	-.02	.26	5	.13	.24	-.15	.36	-.43	140	.6683	.6888	-.21	38	@659
2	-.02	.26	7	-.16	.07	.14	.27	.51	99	.6139	.7521	.01	38	@659
3	-.44	.23	1	-.07	.23	-.37	.33	-1.12	173	.2663	.1434	-.34	38	@659
3	-.44	.23	2	-.02	.26	-.41	.35	-1.18	141	.2409	.2576	-.16	38	@659
3	-.44	.23	4	.35	.34	-.79	.42	-1.89	90	.0622	.0686	-.78	38	@659
3	-.44	.23	5	.13	.24	-.57	.34	-1.68	160	.0948	.1187	-.14	38	@659
3	-.44	.23	7	-.16	.07	-.28	.24	-1.14	133	.2561	.1937	-.20	38	@659
4	.35	.34	1	-.07	.23	.42	.42	1.00	92	.3193	.3749	.80	38	@659
4	.35	.34	2	-.02	.26	.37	.43	.86	89	.3920	.2523	.60	38	@659
4	.35	.34	3	-.44	.23	.79	.42	1.89	90	.0622	.0686	.78	38	@659
4	.35	.34	5	.13	.24	.22	.42	.52	91	.6055	.3411	.73	38	@659
4	.35	.34	7	-.16	.07	.51	.35	1.45	55	.1522	.1796	.62	38	@659

5	.13	.24	1	-.07	.23	.20	.34	.59	169	.5579	.7964	.36	38 @659
5	.13	.24	2	-.02	.26	.15	.36	.43	140	.6683	.6888	.21	38 @659
5	.13	.24	3	-.44	.23	.57	.34	1.68	160	.0948	.1187	.14	38 @659
5	.13	.24	4	.35	.34	-.22	.42	-.52	91	.6055	.3411	-.73	38 @659
5	.13	.24	7	-.16	.07	.29	.25	1.15	126	.2519	.5006	.46	38 @659
7	-.16	.07	1	-.07	.23	-.09	.24	-.38	149	.7054	.9609	-.10	38 @659
7	-.16	.07	2	-.02	.26	-.14	.27	-.51	99	.6139	.7521	-.01	38 @659
7	-.16	.07	3	-.44	.23	.28	.24	1.14	133	.2561	.1937	.20	38 @659
7	-.16	.07	4	.35	.34	-.51	.35	-1.45	55	.1522	.1796	-.62	38 @659
7	-.16	.07	5	.13	.24	-.29	.25	-1.15	126	.2519	.5006	-.46	38 @659

Size of Mantel-Haenszel slice: MHSLICE = .010 logits

Category 1 = Asian, Category 2 = Black, Non-Hispanic, Category 3 = Hispanic, Category 4 = American Indian or Alaskan Native, Category 5 = Multiracial, Category 6 = Pacific Islander (omitted due to a lack of cases), Category 7 = White, Non-Hispanic

TABLE 30.4 6th_raw_demo_edit 6th_all_items_distractor_out.txt Apr 20 11:04 2013
INPUT: 1440 PERSON 38 ITEM MEASURED: 1440 PERSON 38 ITEM 76 CATS WINSTEPS 3.69.1.14

DIF class specification is: DIF=@738 (Race/Ethnicity)

PERSON CLASSES	SUMMARY DIF CHI-SQUARE	D.F.	PROB.	ITEM Number	Name
6	5.0319	5	.4117	1	@181
6	8.5515	5	.1281	2	@198
6	7.5162	5	.1847	3	@199
6	29.7326	5	.0000	4	@200
6	.9570	5	.9659	5	@202
6	4.5890	5	.4678	6	@204
6	3.5877	5	.6099	7	@211
6	4.9391	5	.4230	8	@212
6	6.6773	5	.2455	9	@214
6	9.2198	5	.1004	10	@225
6	3.2541	5	.6607	11	@226
6	16.3354	5	.0059	12	@236
6	7.9354	5	.1596	13	@239
6	1.8160	5	.8739	14	@255
6	9.6059	5	.0870	15	@262
6	8.4272	5	.1340	16	@274
6	3.5012	5	.6230	17	@278
6	5.8241	5	.3234	18	@279
6	5.9782	5	.3080	19	@280
6	7.8594	5	.1639	20	@281
6	4.9476	5	.4220	21	@282
6	1.8687	5	.8669	22	@295
6	5.6180	5	.3448	23	@296
6	11.7791	5	.0378	24	@297
6	14.8168	5	.0111	25	@301
6	5.8266	5	.3231	26	@302
6	4.2366	5	.5156	27	@327
6	9.3110	5	.0971	28	@586
6	6.5882	5	.2528	29	@588
6	10.0979	5	.0723	30	@596
6	10.0984	5	.0723	31	@603
6	8.5926	5	.1262	32	@604
6	4.7867	5	.4421	33	@605
6	7.3337	5	.1967	34	@607
6	5.2229	5	.3890	35	@608
6	5.5517	5	.3520	36	@611
6	2.9607	5	.7059	37	@612
6	5.1211	5	.4010	38	@659

APPENDIX F

SELECTED WINSTEPS OUTPUT FOR 12th GRADE ITEM BANK

Appendix F

Selected Winsteps Output for 12th Grade Item Bank

```
TABLE 1.2 12th_raw.sav            12th_distractor_all_out.txt  Feb 24 10:23 2013
INPUT: 522 PERSON  60 ITEM  MEASURED: 522 PERSON  58 ITEM  116 CATS WINSTEPS 3.69.1.14
-------------------------------------------------------------------------------

           PERSON - MAP - ITEM
               <more>|<rare>
    2                +
                     |
                     |
                     |
                     |
                     |  @329
                     |
                     |T
                  .  |
                  .  |
                  .  |  @412
                  .  |  @423  @443
    1             .  +
                  . T|  @330  @356  @359  @450
                 ##  |  @401  @448
                  .  |  @373
                ####  |S @436  @442
                .###  |  @348  @387  @438
               .####  |
                 .##  |
               .####  |  @435
               .#### S|  @364  @426  @446
               .####  |
                ####  |  @341  @344  @367  @369  @383  @408  @422  @431  @445
    0          .####  +M @336  @366  @397
               .####  |  @384
               .####  |  @331  @424
               .####  |  @353  @360  @382  @439
               .####  |  @340  @378
              .##### M|  @392  @395  @420
          ############  |  @328  @347  @362  @374  @375
               .#####  |  @386
                  ###  |S @370
                 .###  |
                       |  @339  @358
           .########  |  @345
   -1          .####  +
              .###### S|
               ######  |  @346
                .####  |
                  ##   |
                       |T
                ####   |
                   .#  |  @357
                       |  @337
                    # T|  @455
                    #  |
                       |
   -2                .  +
                <less>|<frequ>
 EACH "#" IS 4. EACH "." IS 1 TO 3
```

TABLE 13.1 12th_raw.sav 12th_distractor_all_out.txt Feb 24 10:23 2013
INPUT: 522 PERSON 60 ITEM MEASURED: 522 PERSON 58 ITEM 116 CATS WINSTEPS 3.69.1.14

PERSON: REAL SEP.: 1.98 REL.: .80 ... ITEM: REAL SEP.: 6.93 REL.: .98

ITEM STATISTICS: MEASURE ORDER

ENTRY NUMBER	TOTAL SCORE	TOTAL COUNT	MEASURE	MODEL S.E.	INFIT MNSQ	INFIT ZSTD	OUTFIT MNSQ	OUTFIT ZSTD	PT-MEASURE CORR.	PT-MEASURE EXP.	EXACT MATCH OBS%	EXACT MATCH EXP%	ITEM	G
2	74	522	1.56	.13	1.13	1.5	1.61	4.5	-.08	.22	85.8	85.8	@329	0
41	99	522	1.19	.12	.96	-.6	.92	-.9	.31	.25	81.4	81.0	@412	0
44	105	522	1.11	.11	1.06	1.0	1.15	1.7	.14	.25	79.7	79.9	@423	0
53	107	522	1.08	.11	1.00	.0	1.06	.7	.23	.25	79.7	79.5	@443	0
57	121	522	.92	.11	1.07	1.3	1.14	1.8	.14	.26	77.6	76.9	@450	0
3	122	522	.90	.11	1.16	2.8	1.30	3.7	.00	.26	77.0	76.7	@330	0
19	122	522	.90	.11	1.12	2.2	1.30	3.7	.04	.26	76.6	76.7	@359	0
16	123	522	.89	.11	1.12	2.2	1.25	3.1	.05	.27	76.8	76.6	@356	0
39	131	522	.80	.10	1.17	3.2	1.28	3.8	-.01	.27	73.2	75.1	@401	0
56	131	522	.80	.10	1.02	.5	1.10	1.5	.21	.27	75.5	75.1	@448	0
27	137	522	.74	.10	1.11	2.2	1.23	3.3	.08	.27	73.9	74.1	@373	0
52	142	522	.68	.10	1.07	1.4	1.13	2.0	.17	.28	71.8	73.2	@442	0
49	144	522	.66	.10	1.10	2.0	1.17	2.7	.12	.28	71.8	72.9	@436	0
14	150	522	.60	.10	1.11	2.3	1.15	2.5	.12	.28	70.7	71.9	@348	0
35	151	522	.59	.10	1.11	2.4	1.15	2.4	.12	.28	69.0	71.8	@387	0
50	155	522	.55	.10	1.16	3.5	1.23	3.9	.04	.28	68.2	71.1	@438	0
48	179	522	.32	.10	1.04	1.0	1.06	1.3	.23	.29	68.2	67.9	@435	0
46	184	522	.27	.10	1.01	.3	1.00	.1	.29	.30	65.9	67.4	@426	0
55	185	522	.27	.10	.84	-4.7	.81	-4.4	.53	.30	74.9	67.3	@446	0
22	191	522	.21	.10	.88	-3.6	.86	-3.5	.47	.30	72.8	66.7	@364	0
47	201	522	.12	.09	1.01	.4	1.03	.8	.27	.30	66.1	65.8	@431	0
10	203	522	.10	.09	1.04	1.3	1.06	1.4	.24	.30	62.3	65.6	@344	0
40	203	522	.10	.09	1.00	.1	1.00	.0	.30	.30	66.5	65.6	@408	0
24	204	522	.09	.09	1.00	.0	1.00	.1	.30	.30	64.8	65.5	@367	0
25	207	522	.07	.09	.99	-.4	.99	-.2	.32	.30	68.8	65.3	@369	0
54	207	522	.07	.09	1.05	1.6	1.05	1.3	.23	.30	60.3	65.3	@445	0
9	208	522	.06	.09	.97	-1.0	.96	-1.1	.35	.30	68.2	65.2	@341	0
43	209	522	.05	.09	.91	-3.0	.91	-2.3	.43	.30	71.5	65.1	@422	0
32	210	522	.04	.09	.91	-3.0	.91	-2.4	.43	.30	72.4	65.1	@383	0
38	213	522	.02	.09	.93	-2.5	.92	-2.3	.41	.30	69.5	64.8	@397	0
5	218	522	-.03	.09	1.04	1.4	1.04	1.3	.24	.30	61.5	64.5	@336	0
23	219	522	-.04	.09	1.04	1.2	1.03	1.0	.26	.31	60.9	64.5	@366	0
33	222	522	-.06	.09	.96	-1.4	.95	-1.6	.37	.31	66.9	64.3	@384	0
4	232	522	-.15	.09	1.03	1.1	1.02	.6	.27	.31	58.8	63.8	@331	0
45	239	522	-.21	.09	.94	-2.3	.93	-2.4	.40	.31	67.0	63.5	@424	0
15	244	522	-.25	.09	1.11	3.8	1.11	3.6	.15	.31	55.7	63.4	@353	0
51	244	522	-.25	.09	1.11	3.8	1.12	3.6	.15	.31	55.4	63.4	@439	0
20	245	522	-.26	.09	.86	-5.4	.85	-5.0	.51	.31	73.2	63.4	@360	0
31	246	522	-.27	.09	.95	-2.0	.94	-1.9	.38	.31	67.2	63.3	@382	0
8	251	522	-.31	.09	.94	-2.3	.94	-2.0	.40	.31	67.2	63.2	@340	0
30	254	522	-.34	.09	.93	-2.5	.93	-2.5	.41	.31	68.2	63.2	@378	0
37	260	522	-.39	.09	.93	-2.8	.92	-2.8	.42	.31	68.4	63.1	@395	0
36	263	522	-.41	.09	.89	-4.1	.88	-4.1	.46	.31	69.7	63.1	@392	0
42	265	522	-.43	.09	.97	-1.2	.97	-.8	.35	.31	65.5	63.1	@420	0
13	269	522	-.46	.09	.93	-2.5	.93	-2.4	.40	.31	68.0	63.1	@347	0
21	270	522	-.47	.09	1.17	5.9	1.19	5.8	.07	.31	53.6	63.1	@362	0
1	271	522	-.48	.09	1.02	.6	1.02	.5	.29	.31	61.1	63.2	@328	0
28	276	522	-.52	.09	.94	-2.2	.94	-2.0	.39	.31	66.7	63.2	@374	0
29	276	522	-.52	.09	1.03	1.2	1.03	.9	.26	.31	60.5	63.2	@375	0
34	279	522	-.55	.09	1.03	1.1	1.04	1.2	.26	.31	62.5	63.3	@386	0
26	291	522	-.65	.09	.84	-6.1	.81	-6.0	.54	.31	73.0	63.7	@370	0
18	311	522	-.82	.09	.84	-5.6	.81	-5.4	.54	.30	74.7	64.8	@358	0
7	312	522	-.83	.09	.90	-3.6	.86	-3.9	.46	.30	68.8	64.9	@339	0
11	323	522	-.93	.09	.89	-3.7	.85	-4.0	.47	.30	68.4	65.7	@345	0
12	348	522	-1.16	.10	.86	-4.0	.81	-4.0	.50	.29	73.6	68.4	@346	0
17	391	522	-1.59	.10	.87	-2.6	.75	-3.9	.48	.27	76.2	75.1	@357	0
6	399	522	-1.68	.11	.90	-2.0	.79	-3.1	.44	.26	76.4	76.5	@337	0
58	405	522	-1.75	.11	.97	-.5	.96	-.5	.30	.26	78.0	77.6	@455	0
MEAN	217.9	522.0	.00	.10	1.00	-.4	1.02	-.2			69.5	68.4		
S.D.	75.2	.0	.70	.01	.09	2.7	.16	2.8			6.6	5.9		

TABLE 26.3 12th_raw.sav 12th_distractor_all_out.txt Feb 24 10:23 2013
INPUT: 522 PERSON 60 ITEM MEASURED: 522 PERSON 58 ITEM 116 CATS WINSTEPS 3.69.1.14

ITEM CATEGORY/OPTION/DISTRACTOR FREQUENCIES: CORRELATION ORDER

ENTRY NUMBER	DATA CODE	SCORE VALUE	DATA COUNT	%	AVERAGE MEASURE	S.E. MEAN	OUTF MNSQ	PTMEA CORR.	ITEM
2	0	0	16	3	-.97	.15	.6	-.15	@329
	3	0	45	9	-.82	.07	.6	-.20	
	1	0	141	27	-.52	.05	.9	-.11	
	4	0	246	47	-.17	.04	1.3	.32	
	2	1	74	14	-.53*	.09	1.7	-.08	
39	0	0	26	5	-.95	.12	.6	-.19	@401
	2	0	79	15	-.77	.07	.8	-.24	
	1	0	58	11	-.71	.07	.8	-.17	
	4	0	228	44	-.11	.04	1.4	.37	
	3	1	131	25	-.40*	.05	1.3	-.01	
3	0	0	19	4	-.93	.13	.6	-.16	@330
	2	0	81	16	-.84	.06	.7	-.29	
	1	0	128	25	-.38	.06	1.1	.01	
	4	0	172	33	-.13	.05	1.4	.27	
	3	1	122	23	-.40*	.06	1.4	.00	
19	3	0	57	11	-.77	.08	.8	-.20	@359
	0	0	19	4	-.76	.10	.7	-.11	
	2	0	324	62	-.32	.04	1.2	.13	
	1	1	122	23	-.35*	.07	1.4	.04	
50	0	0	26	5	-1.04	.11	.6	-.22	@438
	1	0	82	16	-.74	.06	.8	-.22	
	3	0	132	25	-.27	.06	1.3	.10	
	4	0	127	24	-.22	.06	1.3	.15	
	2	1	155	30	-.35*	.05	1.3	.04	
16	0	0	14	3	-1.00	.13	.5	-.15	@356
	2	0	184	35	-.41	.05	1.1	-.02	
	3	0	201	39	-.38	.05	1.1	.02	
	1	1	123	24	-.33	.06	1.3	.05	
21	1	0	138	26	-.63	.05	1.0	-.21	@362
	0	0	19	4	-.56	.16	1.1	-.05	
	3	0	95	18	-.14	.07	1.6	.18	
	2	1	270	52	-.35*	.04	1.2	.07	
27	0	0	16	3	-.86	.15	.7	-.12	@373
	3	0	75	14	-.64	.06	.8	-.15	
	2	0	294	56	-.35	.04	1.2	.08	
	1	1	137	26	-.31	.06	1.3	.08	
49	0	0	26	5	-.86	.12	.7	-.16	@436
	3	0	35	7	-.62	.12	.9	-.09	
	4	0	54	10	-.60	.10	1.0	-.10	
	1	0	263	50	-.35	.04	1.1	.07	
	2	1	144	28	-.27	.06	1.2	.12	
35	0	0	26	5	-.91	.13	.7	-.18	@387
	1	0	48	9	-.86	.07	.7	-.22	
	3	0	202	39	-.38	.05	1.2	.02	
	4	0	95	18	-.25	.06	1.3	.10	
	2	1	151	29	-.27*	.05	1.2	.12	
14	0	0	19	4	-.98	.14	.6	-.17	@348
	2	0	169	32	-.52	.05	1.0	-.13	
	3	0	184	35	-.32	.05	1.2	.09	
	1	1	150	29	-.27	.05	1.2	.12	
44	0	0	26	5	-.87	.11	.6	-.16	@423
	3	0	94	18	-.49	.06	1.0	-.07	
	1	0	130	25	-.40	.06	1.1	.00	
	2	0	167	32	-.37	.05	1.1	.02	
	4	1	105	20	-.21	.07	1.2	.14	

	57	0	0	23	4	-.81	.13	.7	-.14	@450
		2	0	64	12	-.63	.09	.9	-.13	
		3	0	73	14	-.61	.07	.9	-.13	
		5	0	67	13	-.32	.08	1.2	.04	
		4	0	174	33	-.31	.05	1.2	.09	
		1	1	121	23	-.22	.06	1.2	.14	
	15	0	0	23	4	-1.06	.11	.6	-.21	@353
		2	0	127	24	-.61	.06	1.0	-.19	
		3	0	128	25	-.27	.06	1.3	.11	
		1	1	244	47	-.28*	.04	1.1	.15	
	51	2	0	52	10	-.90	.07	.7	-.25	@439
		0	0	24	5	-.74	.11	.8	-.11	
		1	0	48	9	-.67	.10	1.0	-.13	
		3	0	154	30	-.26	.05	1.4	.13	
		4	1	244	47	-.28*	.04	1.1	.15	
	52	0	0	26	5	-.79	.12	.7	-.13	@442
		2	0	95	18	-.72	.06	.8	-.23	
		4	0	128	25	-.39	.05	1.1	.00	
		1	0	131	25	-.28	.06	1.3	.10	
		3	1	142	27	-.21	.06	1.2	.17	
	56	0	0	21	4	-.86	.11	.6	-.14	@448
		3	0	71	14	-.69	.07	.8	-.18	
		5	0	72	14	-.51	.07	1.0	-.07	
		4	0	113	22	-.43	.05	1.0	-.03	
		1	0	114	22	-.30	.06	1.2	.08	
		2	1	131	25	-.15	.06	1.1	.21	
	53	0	0	29	6	-.80	.10	.7	-.15	@443
		3	0	91	17	-.68	.06	.8	-.20	
		2	0	133	25	-.58	.05	.9	-.16	
		1	0	162	31	-.21	.05	1.3	.19	
		4	1	107	20	-.09	.07	1.1	.23	
	54	0	0	24	5	-.86	.13	.7	-.15	@445
		1	0	58	11	-.60	.08	.9	-.11	
		4	0	47	9	-.50	.12	1.2	-.05	
		2	0	186	36	-.45	.05	1.1	-.07	
		3	1	207	40	-.20	.04	1.1	.23	
	48	1	0	62	12	-.87	.05	.6	-.26	@435
		0	0	21	4	-.86	.12	.7	-.14	
		3	0	72	14	-.83	.06	.7	-.26	
		4	0	188	36	-.22	.04	1.3	.19	
		2	1	179	34	-.18	.05	1.1	.23	
	10	2	0	81	16	-.81	.06	.7	-.27	@344
		3	0	46	9	-.69	.09	.9	-.14	
		0	0	19	4	-.60	.15	1.0	-.06	
		1	0	173	33	-.33	.05	1.3	.07	
		4	1	203	39	-.19	.04	1.1	.24	
	5	0	0	14	3	-1.07	.16	.6	-.17	@336
		1	0	93	18	-.66	.05	.9	-.18	
		4	0	47	9	-.50	.10	1.1	-.05	
		2	0	150	29	-.41	.06	1.2	-.02	
		3	1	218	42	-.20	.04	1.0	.24	
	23	0	0	19	4	-.81	.14	.8	-.12	@366
		3	0	70	13	-.77	.06	.8	-.22	
		2	0	115	22	-.56	.06	1.0	-.14	
		4	0	99	19	-.29	.07	1.3	.07	
		1	1	219	42	-.19	.04	1.0	.26	
	34	0	0	18	3	-1.26	.13	.5	-.25	@386
		1	0	139	27	-.62	.05	1.0	-.21	
		3	0	86	16	-.37	.07	1.3	.01	
		2	1	279	53	-.23	.04	1.0	.26	
	29	3	0	39	7	-.86	.06	.7	-.20	@375
		0	0	18	3	-.80	.16	.8	-.12	
		2	0	189	36	-.50	.05	1.1	-.12	

	1	1	276	53	-.23	.04	1.0	.26	
4	4	0	24	5	-1.04	.11	.6	-.21	@331
	3	0	46	9	-.98	.05	.6	-.27	
	0	0	21	4	-.79	.12	.8	-.12	
	2	0	199	38	-.37	.05	1.2	.03	
	1	1	232	44	-.19	.04	1.0	.27	
47	1	0	44	8	-.88	.06	.6	-.22	@431
	0	0	30	6	-.80	.10	.7	-.15	
	3	0	69	13	-.50	.09	1.1	-.06	
	4	0	178	34	-.43	.05	1.1	-.04	
	2	1	201	39	-.16	.05	1.0	.27	
46	2	0	45	9	-1.01	.06	.6	-.28	@426
	1	0	44	8	-.92	.07	.6	-.24	
	0	0	27	5	-.80	.12	.8	-.14	
	3	0	222	43	-.33	.04	1.2	.08	
	4	1	184	35	-.14	.05	1.0	.29	
1	0	0	21	4	-.92	.13	.7	-.16	@328
	1	0	111	21	-.56	.06	1.0	-.13	
	3	0	119	23	-.56	.06	1.1	-.14	
	2	1	271	52	-.21	.04	1.0	.29	
58	0	0	30	6	-.98	.12	.8	-.22	@455
	2	0	87	17	-.69	.06	1.0	-.20	
	1	1	405	78	-.29	.03	1.0	.30	
24	0	0	17	3	-.99	.14	.6	-.16	@367
	2	0	54	10	-.88	.07	.7	-.25	
	1	0	75	14	-.69	.08	.9	-.18	
	4	0	172	33	-.35	.04	1.2	.05	
	3	1	204	39	-.14	.05	1.0	.30	
40	0	0	26	5	-.92	.14	.7	-.18	@408
	4	0	28	5	-.79	.11	.8	-.14	
	2	0	101	19	-.76	.05	.8	-.27	
	1	0	164	31	-.33	.05	1.3	.07	
	3	1	203	39	-.14	.04	1.0	.30	
41	0	0	20	4	-.80	.15	.7	-.12	@412
	1	0	109	21	-.66	.05	.8	-.21	
	2	0	90	17	-.63	.06	.8	-.16	
	3	0	204	39	-.32	.05	1.2	.09	
	4	1	99	19	.04	.06	.9	.31	
25	0	0	25	5	-1.00	.12	.6	-.20	@369
	2	0	131	25	-.56	.05	1.0	-.14	
	1	0	114	22	-.56	.05	.9	-.13	
	4	0	45	9	-.37	.10	1.2	.01	
	3	1	207	40	-.13	.05	1.0	.32	
42	3	0	63	12	-.90	.05	.7	-.28	@420
	0	0	22	4	-.85	.10	.7	-.14	
	1	0	82	16	-.54	.06	1.0	-.10	
	2	0	90	17	-.47	.08	1.2	-.05	
	4	1	265	51	-.16	.04	1.0	.35	
9	0	0	20	4	-.97	.12	.6	-.17	@341
	1	0	72	14	-.73	.07	.8	-.20	
	2	0	222	43	-.50	.04	1.1	-.14	
	3	1	208	40	-.11	.04	.9	.35	
33	0	0	29	6	-.93	.11	.7	-.19	@384
	1	0	81	16	-.85	.06	.7	-.29	
	2	0	190	36	-.45	.04	1.1	-.06	
	3	1	222	43	-.11	.04	.9	.37	
31	0	0	20	4	-1.09	.10	.5	-.21	@382
	2	0	107	20	-.66	.05	.9	-.20	
	4	0	40	8	-.59	.09	1.0	-.09	
	3	0	109	21	-.54	.06	1.0	-.12	
	1	1	246	47	-.12	.04	1.0	.38	
28	0	0	19	4	-.92	.13	.7	-.15	@374

	2	0	93	18	-.79	.05	.8	-.27	
	1	0	134	26	-.55	.05	1.0	-.14	
	3	1	276	53	-.15	.04	1.0	.39	
8	0	0	17	3	-.83	.14	.7	-.12	@340
	1	0	84	16	-.81	.06	.8	-.27	
	4	0	38	7	-.75	.07	.8	-.15	
	2	0	132	25	-.49	.06	1.2	-.09	
	3	1	251	48	-.12	.04	.9	.40	
45	0	0	23	4	-.83	.13	.8	-.14	@424
	2	0	87	17	-.75	.06	.8	-.24	
	3	0	67	13	-.75	.06	.8	-.20	
	1	0	106	20	-.44	.07	1.2	-.03	
	4	1	239	46	-.11	.04	.9	.40	
13	0	0	19	4	-.94	.12	.7	-.16	@347
	4	0	58	11	-.77	.08	.8	-.20	
	3	0	74	14	-.68	.07	.9	-.17	
	2	0	102	20	-.56	.07	1.1	-.12	
	1	1	269	52	-.13	.04	.9	.40	
30	1	0	35	7	-1.00	.06	.6	-.24	@378
	0	0	21	4	-.98	.11	.6	-.18	
	2	0	212	41	-.57	.04	1.0	-.22	
	3	1	254	49	-.12	.04	.9	.41	
38	0	0	19	4	-.90	.13	.7	-.15	@397
	3	0	90	17	-.66	.06	.9	-.18	
	2	0	96	18	-.63	.06	.9	-.17	
	1	0	104	20	-.53	.06	1.0	-.10	
	4	1	213	41	-.06	.04	.9	.41	
37	0	0	29	6	-1.02	.09	.6	-.23	@395
	2	0	71	14	-.90	.06	.7	-.30	
	4	0	58	11	-.56	.07	1.0	-.09	
	3	0	104	20	-.48	.06	1.1	-.06	
	1	1	260	50	-.12	.04	.9	.42	
32	0	0	16	3	-.89	.14	.7	-.13	@383
	1	0	73	14	-.73	.06	.8	-.20	
	3	0	90	17	-.62	.06	.9	-.16	
	2	0	133	25	-.54	.05	1.0	-.13	
	4	1	210	40	-.05	.04	.9	.43	
43	0	0	26	5	-.84	.12	.7	-.15	@422
	2	0	74	14	-.77	.06	.8	-.23	
	3	0	104	20	-.63	.06	.9	-.18	
	4	0	109	21	-.47	.05	1.0	-.06	
	1	1	209	40	-.05	.04	.9	.43	
6	0	0	22	4	-1.03	.11	.7	-.20	@337
	1	0	52	10	-.92	.07	.7	-.26	
	3	0	49	9	-.87	.06	.8	-.23	
	2	1	399	76	-.23	.03	.9	.44	
7	3	0	71	14	-.86	.06	.7	-.28	@339
	0	0	22	4	-.79	.15	.9	-.13	
	4	0	36	7	-.76	.08	.8	-.15	
	1	0	81	16	-.68	.06	.9	-.19	
	2	1	312	60	-.14	.04	.9	.46	
36	0	0	20	4	-1.10	.14	.6	-.21	@392
	2	0	93	18	-.72	.06	.8	-.23	
	1	0	84	16	-.67	.06	.9	-.18	
	4	0	62	12	-.60	.08	1.0	-.12	
	3	1	263	50	-.09	.04	.9	.46	
11	2	0	94	18	-.82	.06	.8	-.30	@345
	1	0	71	14	-.78	.06	.8	-.23	
	4	0	22	4	-.75	.09	.8	-.11	
	0	0	12	2	-.73	.16	.9	-.08	
	3	1	323	62	-.15	.04	.9	.47	
22	0	0	22	4	-.91	.11	.6	-.16	@364
	3	0	78	15	-.66	.07	.9	-.17	

	1	0	99	19	-.60	.06	.9	-.15	
	2	0	132	25	-.59	.05	.9	-.17	
	4	1	191	37	.02	.04	.8	.47	
17	4	0	31	6	-1.13	.07	.6	-.28	@357
	1	0	45	9	-.91	.06	.7	-.24	
	0	0	12	2	-.91	.13	.7	-.12	
	3	0	43	8	-.87	.06	.7	-.21	
	2	1	391	75	-.21	.03	.9	.48	
12	0	0	14	3	-1.25	.10	.5	-.21	@346
	3	0	54	10	-.89	.07	.8	-.25	
	2	0	45	9	-.86	.09	.8	-.21	
	1	0	61	12	-.76	.06	.9	-.20	
	4	1	348	67	-.16	.03	.9	.50	
20	0	0	14	3	-1.14	.14	.5	-.19	@360
	2	0	86	16	-.80	.05	.8	-.27	
	3	0	99	19	-.64	.06	.9	-.18	
	1	0	78	15	-.63	.07	.9	-.15	
	4	1	245	47	-.03	.04	.8	.51	
55	0	0	28	5	-.86	.12	.7	-.17	@446
	3	0	98	19	-.68	.05	.8	-.21	
	2	0	122	23	-.65	.06	.9	-.21	
	1	0	89	17	-.56	.06	.9	-.11	
	4	1	185	35	.08	.04	.8	.53	
18	0	0	15	3	-.98	.18	.7	-.15	@358
	2	0	68	13	-.95	.06	.7	-.32	
	3	0	54	10	-.77	.07	.8	-.19	
	1	0	74	14	-.74	.06	.8	-.21	
	4	1	311	60	-.10	.03	.9	.54	
26	0	0	17	3	-.94	.14	.7	-.15	@370
	3	0	70	13	-.88	.06	.7	-.29	
	2	0	72	14	-.88	.05	.7	-.29	
	4	0	72	14	-.61	.07	1.0	-.13	
	1	1	291	56	-.07	.03	.8	.54	

* Average measure does not ascend with category score

TABLE 30.1 12th_raw.sav 12th_distractor_all_out.txt Feb 24 10:23 2013
INPUT: 522 PERSON 60 ITEM MEASURED: 522 PERSON 58 ITEM 116 CATS WINSTEPS 3.69.1.14

DIF class specification is: DIF=@SEX (Gender)

PERSON CLASS	DIF MEASURE	DIF S.E.	PERSON CLASS	DIF MEASURE	DIF S.E.	DIF CONTRAST	JOINT S.E.	t	Welch d.f.	Welch Prob.	Mantel Prob.	Hanzl Size	ITEM Number	Name
1	-.61	.14	2	-.36	.13	-.25	.19	-1.35	513	.1763	.2139	-.35	1	@328
2	-.36	.13	1	-.61	.14	.25	.19	1.35	513	.1763	.2139	.35	1	@328
1	1.84	.20	2	1.33	.17	.52	.26	1.98	506	.0484	.1655	.04	2	@329
2	1.33	.17	1	1.84	.20	-.52	.26	-1.98	506	.0484	.1655	-.04	2	@329
1	1.19	.16	2	.67	.14	.52	.22	2.38	508	.0177	.1986	.24	3	@330
2	.67	.14	1	1.19	.16	-.52	.22	-2.38	508	.0177	.1986	-.24	3	@330
1	-.25	.13	2	-.06	.13	-.19	.19	-1.02	514	.3088	.5178	-.10	4	@331
2	-.06	.13	1	-.25	.13	.19	.19	1.02	514	.3088	.5178	.10	4	@331
1	.01	.14	2	-.06	.13	.07	.19	.36	514	.7183	.8774	.17	5	@336
2	-.06	.13	1	.01	.14	-.07	.19	-.36	514	.7183	.8774	-.17	5	@336
1	-1.77	.16	2	-1.62	.14	-.16	.22	-.72	508	.4719	.6148	-.04	6	@337
2	-1.62	.14	1	-1.77	.16	.16	.22	.72	508	.4719	.6148	.04	6	@337
1	-1.12	.14	2	-.60	.13	-.52	.19	-2.72	510	.0068	.0136	-.36	7	@339
2	-.60	.13	1	-1.12	.14	.52	.19	2.72	510	.0068	.0136	.36	7	@339
1	-.25	.13	2	-.36	.13	.12	.18	.62	513	.5327	.4909	.03	8	@340
2	-.36	.13	1	-.25	.13	-.12	.18	-.62	513	.5327	.4909	-.03	8	@340
1	-.01	.14	2	.12	.13	-.13	.19	-.71	515	.4777	.7541	-.05	9	@341
2	.12	.13	1	-.01	.14	.13	.19	.71	515	.4777	.7541	.05	9	@341
1	.25	.14	2	-.03	.13	.28	.19	1.48	513	.1390	.2645	.37	10	@344
2	-.03	.13	1	.25	.14	-.28	.19	-1.48	513	.1390	.2645	-.37	10	@344
1	-1.18	.14	2	-.73	.13	-.45	.19	-2.36	509	.0184	.0637	-.36	11	@345
2	-.73	.13	1	-1.18	.14	.45	.19	2.36	509	.0184	.0637	.36	11	@345
1	-1.25	.15	2	-1.09	.13	-.16	.20	-.81	510	.4185	.8812	.13	12	@346
2	-1.09	.13	1	-1.25	.15	.16	.20	.81	510	.4185	.8812	-.13	12	@346
1	-.54	.14	2	-.40	.13	-.15	.19	-.79	513	.4320	.7911	-.04	13	@347
2	-.40	.13	1	-.54	.14	.15	.19	.79	513	.4320	.7911	.04	13	@347
1	.75	.15	2	.48	.14	.27	.20	1.33	512	.1837	.3695	.11	14	@348
2	.48	.14	1	.75	.15	-.27	.20	-1.33	512	.1837	.3695	-.11	14	@348
1	-.03	.14	2	-.44	.13	.41	.19	2.24	513	.0257	.1885	.15	15	@353
2	-.44	.13	1	-.03	.14	-.41	.19	-2.24	513	.0257	.1885	-.15	15	@353
1	.84	.15	2	.95	.15	-.11	.21	-.52	516	.6027	.3302	-.26	16	@356
2	.95	.15	1	.84	.15	.11	.21	.52	516	.6027	.3302	.26	16	@356
1	-1.91	.17	2	-1.37	.13	-.54	.22	-2.51	502	.0124	.1012	-.52	17	@357
2	-1.37	.13	1	-1.91	.17	.54	.22	2.51	502	.0124	.1012	.52	17	@357
1	-1.06	.14	2	-.63	.13	-.43	.19	-2.24	510	.0254	.0698	-.27	18	@358
2	-.63	.13	1	-1.06	.14	.43	.19	2.24	510	.0254	.0698	.27	18	@358
1	1.36	.17	2	.55	.14	.80	.22	3.67	503	.0003	.0190	.30	19	@359
2	.55	.14	1	1.36	.17	-.80	.22	-3.67	503	.0003	.0190	-.30	19	@359
1	-.43	.14	2	-.11	.13	-.32	.19	-1.74	514	.0827	.1825	-.21	20	@360
2	-.11	.13	1	-.43	.14	.32	.19	1.74	514	.0827	.1825	.21	20	@360
1	-.52	.14	2	-.43	.13	-.10	.18	-.52	513	.6057	.5567	-.31	21	@362
2	-.43	.13	1	-.52	.14	.10	.18	.52	513	.6057	.5567	.31	21	@362
1	.18	.14	2	.24	.13	-.07	.19	-.35	515	.7277	.9789	-.17	22	@364
2	.24	.13	1	.18	.14	.07	.19	.35	515	.7277	.9789	.17	22	@364
1	.16	.14	2	-.20	.13	.36	.19	1.94	513	.0530	.0861	.36	23	@366
2	-.20	.13	1	.16	.14	-.36	.19	-1.94	513	.0530	.0861	-.36	23	@366
1	.14	.14	2	.06	.13	.08	.19	.44	514	.6606	.4489	.01	24	@367
2	.06	.13	1	.14	.14	-.08	.19	-.44	514	.6606	.4489	-.01	24	@367
1	.07	.14	2	.07	.13	.00	.19	.00	514	1.000	.8533	-.13	25	@369
2	.07	.13	1	.07	.14	.00	.19	.00	514	1.000	.8533	.13	25	@369
1	-.69	.14	2	-.62	.13	-.07	.19	-.39	513	.6953	.7964	.05	26	@370
2	-.62	.13	1	-.69	.14	.07	.19	.39	513	.6953	.7964	-.05	26	@370
1	.88	.15	2	.61	.14	.27	.21	1.31	512	.1898	.4563	.12	27	@373
2	.61	.14	1	.88	.15	-.27	.21	-1.31	512	.1898	.4563	-.12	27	@373
1	-.73	.14	2	-.35	.13	-.38	.19	-2.04	512	.0423	.0810	-.28	28	@374
2	-.35	.13	1	-.73	.14	.38	.19	2.04	512	.0423	.0810	.28	28	@374
1	-.45	.14	2	-.58	.13	.14	.18	.74	513	.4626	.6501	.02	29	@375
2	-.58	.13	1	-.45	.14	-.14	.18	-.74	513	.4626	.6501	-.02	29	@375
1	-.43	.14	2	-.25	.13	-.18	.18	-.96	514	.3357	.5995	-.08	30	@378
2	-.25	.13	1	-.43	.14	.18	.18	.96	514	.3357	.5995	.08	30	@378
1	-.23	.14	2	-.30	.13	.07	.18	.38	514	.7049	.4369	.13	31	@382
2	-.30	.13	1	-.23	.14	-.07	.18	-.38	514	.7049	.4369	-.13	31	@382
1	-.12	.14	2	.19	.13	-.31	.19	-1.66	515	.0980	.0731	-.51	32	@383
2	.19	.13	1	-.12	.14	.31	.19	1.66	515	.0980	.0731	.51	32	@383
1	-.03	.14	2	-.09	.13	.06	.19	.34	514	.7355	.6950	.02	33	@384
2	-.09	.13	1	-.03	.14	-.06	.19	-.34	514	.7355	.6950	-.02	33	@384

1	-.52	.14	2	-.57	.13	.05	.18	.25	513	.8011	.8614	-.06	34	@386
2	-.57	.13	1	-.52	.14	-.05	.18	-.25	513	.8011	.8614	.06	34	@386
1	.64	.15	2	.55	.14	.08	.20	.42	514	.6759	.8982	-.13	35	@387
2	.55	.14	1	.64	.15	-.08	.20	-.42	514	.6759	.8982	.13	35	@387
1	-.41	.14	2	-.41	.13	.00	.18	.00	513	1.000	.4691	.10	36	@392
2	-.41	.13	1	-.41	.14	.00	.18	.00	513	1.000	.4691	-.10	36	@392
1	-.36	.14	2	-.41	.13	.05	.18	.29	513	.7726	.8082	.07	37	@395
2	-.41	.13	1	-.36	.14	-.05	.18	-.29	513	.7726	.8082	-.07	37	@395
1	.02	.14	2	.02	.13	.00	.19	.00	514	1.000	.8527	-.10	38	@397
2	.02	.13	1	.02	.14	.00	.19	.00	514	1.000	.8527	.10	38	@397
1	.91	.15	2	.71	.14	.20	.21	.93	513	.3515	.7647	.21	39	@401
2	.71	.14	1	.91	.15	-.20	.21	-.93	513	.3515	.7647	-.21	39	@401
1	-.05	.14	2	.24	.13	-.29	.19	-1.54	516	.1253	.1477	-.19	40	@408
2	.24	.13	1	-.05	.14	.29	.19	1.54	516	.1253	.1477	.19	40	@408
1	1.27	.17	2	1.12	.16	.15	.23	.67	514	.5029	.4736	.02	41	@412
2	1.12	.16	1	1.27	.17	-.15	.23	-.67	514	.5029	.4736	-.02	41	@412
1	-.52	.14	2	-.35	.13	-.17	.19	-.94	513	.3458	.5758	-.06	42	@420
2	-.35	.13	1	-.52	.14	.17	.19	.94	513	.3458	.5758	.06	42	@420
1	-.03	.14	2	.12	.13	-.15	.19	-.81	515	.4188	.6225	.02	43	@422
2	.12	.13	1	-.03	.14	.15	.19	.81	515	.4188	.6225	-.02	43	@422
1	1.24	.17	2	1.00	.15	.25	.23	1.09	512	.2757	.3430	.15	44	@423
2	1.00	.15	1	1.24	.17	-.25	.23	-1.09	512	.2757	.3430	-.15	44	@423
1	-.41	.14	2	-.03	.13	-.39	.19	-2.07	514	.0386	.0829	-.33	45	@424
2	-.03	.13	1	-.41	.14	.39	.19	2.07	514	.0386	.0829	.33	45	@424
1	.10	.14	2	.44	.14	-.34	.19	-1.76	516	.0794	.1012	-.41	46	@426
2	.44	.14	1	.10	.14	.34	.19	1.76	516	.0794	.1012	.41	46	@426
1	.16	.14	2	.09	.13	.07	.19	.36	514	.7180	.9926	-.13	47	@431
2	.09	.13	1	.16	.14	-.07	.19	-.36	514	.7180	.9926	.13	47	@431
1	.60	.15	2	.09	.13	.51	.19	2.60	511	.0096	.0155	.35	48	@435
2	.09	.13	1	.60	.15	-.51	.19	-2.60	511	.0096	.0155	-.35	48	@435
1	.93	.15	2	.44	.14	.49	.21	2.39	510	.0172	.0651	.53	49	@436
2	.44	.14	1	.93	.15	-.49	.21	-2.39	510	.0172	.0651	-.53	49	@436
1	.70	.15	2	.42	.14	.28	.20	1.40	512	.1622	.8454	-.12	50	@438
2	.42	.14	1	.70	.15	-.28	.20	-1.40	512	.1622	.8454	.12	50	@438
1	-.25	.13	2	-.25	.13	.00	.18	.00	514	1.000	.7416	-.11	51	@439
2	-.25	.13	1	-.25	.13	.00	.18	.00	514	1.000	.7416	.11	51	@439
1	.60	.15	2	.77	.14	-.18	.21	-.87	517	.3835	.1796	-.29	52	@442
2	.77	.14	1	.60	.15	.18	.21	.87	517	.3835	.1796	.29	52	@442
1	1.22	.17	2	.97	.15	.24	.23	1.08	512	.2815	.4121	-.08	53	@443
2	.97	.15	1	1.22	.17	-.24	.23	-1.08	512	.2815	.4121	.08	53	@443
1	.37	.14	2	-.19	.13	.56	.19	2.96	511	.0033	.0054	.44	54	@445
2	-.19	.13	1	.37	.14	-.56	.19	-2.96	511	.0033	.0054	-.44	54	@445
1	.23	.14	2	.30	.13	-.06	.19	-.32	515	.7477	.7850	-.15	55	@446
2	.30	.13	1	.23	.14	.06	.19	.32	515	.7477	.7850	.15	55	@446
1	.60	.15	2	1.02	.15	-.42	.21	-2.01	518	.0452	.0200	-.45	56	@448
2	1.02	.15	1	.60	.15	.42	.21	2.01	518	.0452	.0200	.45	56	@448
1	1.01	.16	2	.84	.15	.17	.22	.78	513	.4383	.6364	.12	57	@450
2	.84	.15	1	1.01	.16	-.17	.22	-.78	513	.4383	.6364	-.12	57	@450
1	-1.62	.16	2	-1.87	.15	.25	.22	1.16	514	.2450	.2559	.00	58	@455
2	-1.87	.15	1	-1.62	.16	-.25	.22	-1.16	514	.2450	.2559	.00	58	@455

Size of Mantel-Haenszel slice: MHSLICE = .010 logits

Category 1 - Female, Category 2 = Male

TABLE 30.4 12th_raw.sav 12th_distractor_all_out.txt Feb 24 10:23 2013
INPUT: 522 PERSON 60 ITEM MEASURED: 522 PERSON 58 ITEM 116 CATS WINSTEPS 3.69.1.14

DIF class specification is: DIF=@SEX (Gender)

PERSON CLASSES	SUMMARY DIF CHI-SQUARE	D.F.	PROB.	ITEM Number	Name
2	1.8263	1	.1766	1	@328
2	3.9124	1	.0479	2	@329
2	5.6394	1	.0176	3	@330
2	1.0349	1	.3090	4	@331
2	.1300	1	.7184	5	@336
2	.5170	1	.4721	6	@337
2	7.3314	1	.0068	7	@339
2	.3888	1	.5329	8	@340
2	.5037	1	.4779	9	@341
2	2.1869	1	.1392	10	@344
2	5.5492	1	.0185	11	@345
2	.6538	1	.4187	12	@346
2	.6169	1	.4322	13	@347
2	1.7664	1	.1838	14	@348
2	4.9699	1	.0258	15	@353
2	.2708	1	.6028	16	@356
2	6.2633	1	.0123	17	@357
2	4.9920	1	.0255	18	@358
2	13.3432	1	.0003	19	@359
2	3.0083	1	.0828	20	@360
2	.2662	1	.6059	21	@362
2	.1212	1	.7277	22	@364
2	3.7418	1	.0531	23	@366
2	.1926	1	.6608	24	@367
2	.0000	1	1.0000	25	@369
2	.1533	1	.6954	26	@370
2	1.7179	1	.1900	27	@373
2	4.1185	1	.0424	28	@374
2	.5392	1	.4628	29	@375
2	.9260	1	.3359	30	@378
2	.1433	1	.7050	31	@382
2	2.7349	1	.0982	32	@383
2	.1140	1	.7356	33	@384
2	.0635	1	.8011	34	@386
2	.1748	1	.6759	35	@387
2	.0000	1	1.0000	36	@392
2	.0834	1	.7727	37	@395
2	.0000	1	1.0000	38	@397
2	.8674	1	.3517	39	@401
2	2.3481	1	.1254	40	@408
2	.4483	1	.5031	41	@412
2	.8878	1	.3461	42	@420
2	.6531	1	.4190	43	@422
2	1.1874	1	.2759	44	@423
2	4.2743	1	.0387	45	@424
2	3.0742	1	.0795	46	@426
2	.1303	1	.7181	47	@431
2	6.7058	1	.0096	48	@435
2	5.6768	1	.0172	49	@436
2	1.9521	1	.1624	50	@438
2	.0000	1	1.0000	51	@439
2	.7588	1	.3837	52	@442
2	1.1590	1	.2817	53	@443
2	8.6498	1	.0033	54	@445
2	.1034	1	.7478	55	@446
2	4.0114	1	.0452	56	@448
2	.6001	1	.4385	57	@450
2	1.3504	1	.2452	58	@455
0	.0000	0	1.0000	59	@456
0	.0000	0	1.0000	60	@457

TABLE 30.1 12th_raw.sav 12th_distractor_all_out.txt Feb 24 10:23 2013
INPUT: 522 PERSON 60 ITEM MEASURED: 522 PERSON 58 ITEM 116 CATS WINSTEPS 3.69.1.14

DIF class specification is: DIF=@RACE (Race/Ethnicity)

PERSON CLASS	DIF MEASURE	DIF S.E.	PERSON CLASS	DIF MEASURE	DIF S.E.	DIF CONTRAST	JOINT S.E.	t	Welch d.f.	Prob.	Mantel Prob.	Hanzl Size	ITEM Number	Name
1	-1.05	.42	2	-.10	.27	-.95	.49	-1.92	60	.0597	.3975	-.29	1	@328
1	-1.05	.42	3	-1.24	.34	.19	.54	.36	59	.7208	.1886	.21	1	@328
1	-1.05	.42	4	1.27	1.04	-2.32	1.12	-2.08	11	.0620	.1615	-.	1	@328
1	-1.05	.42	5	-.19	.39	-.86	.57	-1.52	55	.1351	.8358	.69	1	@328
1	-1.05	.42	6	-.68	.78	-.37	.88	-.42	13	.6846	.3173	+.	1	@328
1	-1.05	.42	7	-.48	.11	-.57	.43	-1.32	41	.1951	.2841	-.32	1	@328
2	-.10	.27	1	-1.05	.42	.95	.49	1.92	60	.0597	.3975	.29	1	@328
2	-.10	.27	3	-1.24	.34	1.14	.43	2.63	89	.0099	.0861	.93	1	@328
2	-.10	.27	4	1.27	1.04	-1.37	1.07	-1.28	9	.2316	.3783	-.	1	@328
2	-.10	.27	5	-.19	.39	.09	.47	.19	70	.8532	.7462	.31	1	@328
2	-.10	.27	6	-.68	.78	.58	.82	.71	10	.4944	.8196	.00	1	@328
2	-.10	.27	7	-.48	.11	.38	.29	1.31	132	.1911	.1970	-.10	1	@328
3	-1.24	.34	1	-1.05	.42	-.19	.54	-.36	59	.7208	.1886	-.21	1	@328
3	-1.24	.34	2	-.10	.27	-1.14	.43	-2.63	89	.0099	.0861	-.93	1	@328
3	-1.24	.34	4	1.27	1.04	-2.51	1.09	-2.30	10	.0440	.0040	-.	1	@328
3	-1.24	.34	5	-.19	.39	-1.06	.52	-2.04	65	.0450	.1494	.69	1	@328
3	-1.24	.34	6	-.68	.78	-.56	.85	-.66	12	.5219	.6886	-.	1	@328
3	-1.24	.34	7	-.48	.11	-.76	.36	-2.11	66	.0385	.0434	-.40	1	@328
4	1.27	1.04	1	-1.05	.42	2.32	1.12	2.08	11	.0620	.1615	+.	1	@328
4	1.27	1.04	2	-.10	.27	1.37	1.07	1.28	9	.2316	.3783	+.	1	@328
4	1.27	1.04	3	-1.24	.34	2.51	1.09	2.30	10	.0440	.0040	+.	1	@328
4	1.27	1.04	5	-.19	.39	1.46	1.11	1.32	10	.2164	.2253	+.	1	@328
4	1.27	1.04	6	-.68	.78	1.95	1.29	1.51	11	.1595	.3173	+.	1	@328
4	1.27	1.04	7	-.48	.11	1.75	1.04	1.68	7	.1368	.0161	1.70	1	@328
5	-.19	.39	1	-1.05	.42	.86	.57	1.52	55	.1351	.8358	-.69	1	@328
5	-.19	.39	2	-.10	.27	-.09	.47	-.19	70	.8532	.7462	-.31	1	@328
5	-.19	.39	3	-1.24	.34	1.06	.52	2.04	65	.0450	.1494	-.69	1	@328
5	-.19	.39	4	1.27	1.04	-1.46	1.11	-1.32	10	.2164	.2253	-.	1	@328
5	-.19	.39	6	-.68	.78	.50	.87	.57	12	.5786	.4795	.69	1	@328
5	-.19	.39	7	-.48	.11	.29	.40	.73	49	.4710	.8338	-.87	1	@328
6	-.68	.78	1	-1.05	.42	.37	.88	.42	13	.6846	.3173	-.	1	@328
6	-.68	.78	2	-.10	.27	-.58	.82	-.71	10	.4944	.8196	.00	1	@328
6	-.68	.78	3	-1.24	.34	.56	.85	.66	12	.5219	.6886	+.	1	@328
6	-.68	.78	4	1.27	1.04	-1.95	1.29	-1.51	11	.1595	.3173	-.	1	@328
6	-.68	.78	5	-.19	.39	-.50	.87	-.57	12	.5786	.4795	-.69	1	@328
6	-.68	.78	7	-.48	.11	-.20	.78	-.26	7	.8035	.8127	-1.39	1	@328
7	-.48	.11	1	-1.05	.42	.57	.43	1.32	41	.1951	.2841	.32	1	@328
7	-.48	.11	2	-.10	.27	-.38	.29	-1.31	132	.1911	.1970	.10	1	@328
7	-.48	.11	3	-1.24	.34	.76	.36	2.11	66	.0385	.0434	.40	1	@328
7	-.48	.11	4	1.27	1.04	-1.75	1.04	-1.68	7	.1368	.0161	-1.70	1	@328
7	-.48	.11	5	-.19	.39	-.29	.40	-.73	49	.4710	.8338	.87	1	@328
7	-.48	.11	6	-.68	.78	.20	.78	.26	7	.8035	.8127	1.39	1	@328
1	2.22	.74	2	1.42	.39	.80	.84	.96	54	.3425	.7725	+.	2	@329
1	2.22	.74	3	.97	.42	1.24	.85	1.46	52	.1514	.1961	+.	2	@329
1	2.22	.74	4	.40	.84	1.82	1.12	1.62	17	.1239	.2253	+.	2	@329
1	2.22	.74	5	.46	.43	1.75	.86	2.05	50	.0455	.0550	.69	2	@329
1	2.22	.74	6	2.01<	1.67	.20	1.83	.11	11	.9137			2	@329
1	2.22	.74	7	1.74	.16	.48	.76	.63	38	.5323	.3187	-.50	2	@329
2	1.42	.39	1	2.22	.74	-.80	.84	-.96	54	.3425	.7725	-.	2	@329
2	1.42	.39	3	.97	.42	.44	.57	.77	94	.4423	.2151	.92	2	@329
2	1.42	.39	4	.40	.84	1.02	.93	1.10	12	.2944	.5440	+.	2	@329
2	1.42	.39	5	.46	.43	.95	.58	1.66	79	.1016	.2471	1.00	2	@329
2	1.42	.39	6	2.01<	1.67	-.60	1.71	-.35	9	.7350	.3173	-.	2	@329
2	1.42	.39	7	1.74	.16	-.32	.42	-.77	129	.4425	.2896	-.32	2	@329
3	.97	.42	1	2.22	.74	-1.24	.85	-1.46	52	.1514	.1961	-.	2	@329
3	.97	.42	2	1.42	.39	-.44	.57	-.77	94	.4423	.2151	-.92	2	@329
3	.97	.42	4	.40	.84	.57	.94	.61	13	.5536	.3508	+.	2	@329
3	.97	.42	5	.46	.43	.51	.60	.85	67	.3994	.4580	.00	2	@329
3	.97	.42	6	2.01<	1.67	-1.04	1.72	-.60	9	.5603	.6171	-.	2	@329
3	.97	.42	7	1.74	.16	-.77	.45	-1.69	71	.0961	.5695	-1.26	2	@329
4	.40	.84	1	2.22	.74	-1.82	1.12	-1.62	17	.1239	.2253	-.	2	@329
4	.40	.84	2	1.42	.39	-1.02	.93	-1.10	12	.2944	.5440	-.	2	@329
4	.40	.84	3	.97	.42	-.57	.94	-.61	13	.5536	.3508	-.	2	@329
4	.40	.84	5	.46	.43	-.06	.95	-.07	12	.9471	.6002	-.	2	@329
4	.40	.84	6	2.01<	1.67	-1.62	1.87	-.86	10	.4078			2	@329
4	.40	.84	7	1.74	.16	-1.34	.86	-1.56	8	.1573	.2655	-1.70	2	@329

5	.46	.43	1	2.22	.74	-1.75	.86	-2.05	50	.0455	.0550	-.69	2	@329
5	.46	.43	2	1.42	.39	-.95	.58	-1.66	79	.1016	.2471	-1.00	2	@329
5	.46	.43	3	.97	.42	-.51	.60	-.85	67	.3994	.4580	.00	2	@329
5	.46	.43	4	.40	.84	.06	.95	.07	12	.9471	.6002	+.	2	@329
5	.46	.43	6	2.01<	1.67	-1.55	1.72	-.90	9	.3911	.4142	-.	2	@329
5	.46	.43	7	1.74	.16	-1.28	.46	-2.80	56	.0070	.4053	-1.07	2	@329
6	2.01<	1.67	1	2.22	.74	-.20	1.83	-.11	11	.9137			2	@329
6	2.01<	1.67	2	1.42	.39	.60	1.71	.35	9	.7350	.3173	+.	2	@329
6	2.01<	1.67	3	.97	.42	1.04	1.72	.60	9	.5603	.6171	+.	2	@329
6	2.01<	1.67	4	.40	.84	1.62	1.87	.86	10	.4078			2	@329
6	2.01<	1.67	5	.46	.43	1.55	1.72	.90	9	.3911	.4142	+.	2	@329
6	2.01<	1.67	7	1.74	.16	.28	1.68	.16	7	.8741	.1096	+.	2	@329
7	1.74	.16	1	2.22	.74	-.48	.76	-.63	38	.5323	.3187	.50	2	@329
7	1.74	.16	2	1.42	.39	.32	.42	.77	129	.4425	.2896	.32	2	@329
7	1.74	.16	3	.97	.42	.77	.45	1.69	71	.0961	.5695	1.26	2	@329
7	1.74	.16	4	.40	.84	1.34	.86	1.56	8	.1573	.2655	1.70	2	@329
7	1.74	.16	5	.46	.43	1.28	.46	2.80	56	.0070	.4053	1.07	2	@329
7	1.74	.16	6	2.01<	1.67	-.28	1.68	-.16	7	.8741	.1096	-.	2	@329
1	.48	.44	2	.44	.29	.04	.53	.08	61	.9377	.4256	-.69	3	@330
1	.48	.44	3	.36	.36	.12	.57	.20	59	.8390	.5231	.00	3	@330
1	.48	.44	4	.40	.84	.08	.95	.08	13	.9354	.6949	+.	3	@330
1	.48	.44	5	.29	.41	.19	.60	.32	55	.7528	.4045	-.41	3	@330
1	.48	.44	6	.86	1.09	-.38	1.17	-.33	11	.7497	1.000	.000	3	@330
1	.48	.44	7	1.16	.14	-.68	.46	-1.49	44	.1443	.5979	-.20	3	@330
2	.44	.29	1	.48	.44	-.04	.53	-.08	61	.9377	.4256	.69	3	@330
2	.44	.29	3	.36	.36	.07	.47	.16	90	.8728	.9384	.43	3	@330
2	.44	.29	4	.40	.84	.04	.89	.04	10	.9674	.7932	-.	3	@330
2	.44	.29	5	.29	.41	.15	.50	.30	71	.7687	.7629	+.	3	@330
2	.44	.29	6	.86	1.09	-.43	1.13	-.38	9	.7148	.1683	-.	3	@330
2	.44	.29	7	1.16	.14	-.72	.32	-2.25	138	.0263	.6488	-.44	3	@330
3	.36	.36	1	.48	.44	-.12	.57	-.20	59	.8390	.5231	.00	3	@330
3	.36	.36	2	.44	.29	-.07	.47	-.16	90	.8728	.9384	-.43	3	@330
3	.36	.36	4	.40	.84	-.04	.92	-.04	11	.9682	.8964	+.	3	@330
3	.36	.36	5	.29	.41	.07	.55	.13	65	.8934	.8128	-.	3	@330
3	.36	.36	6	.86	1.09	-.50	1.15	-.44	10	.6724	.5001	-.41	3	@330
3	.36	.36	7	1.16	.14	-.80	.39	-2.05	70	.0444	.5262	-1.45	3	@330
4	.40	.84	1	.48	.44	-.08	.95	-.08	13	.9354	.6949	-.	3	@330
4	.40	.84	2	.44	.29	-.04	.89	-.04	10	.9674	.7932	+.	3	@330
4	.40	.84	3	.36	.36	.04	.92	.04	11	.9682	.8964	-.	3	@330
4	.40	.84	5	.29	.41	.11	.94	.12	12	.9074	.6002	-.	3	@330
4	.40	.84	6	.86	1.09	-.46	1.38	-.34	11	.7434	.4795	-.	3	@330
4	.40	.84	7	1.16	.14	-.76	.86	-.89	8	.4006	.5603	-1.20	3	@330
5	.29	.41	1	.48	.44	-.19	.60	-.32	55	.7528	.4045	.41	3	@330
5	.29	.41	2	.44	.29	-.15	.50	-.30	71	.7687	.7629	-.	3	@330
5	.29	.41	3	.36	.36	-.07	.55	-.13	65	.8934	.8128	+.	3	@330
5	.29	.41	4	.40	.84	-.11	.94	-.12	12	.9074	.6002	+.	3	@330
5	.29	.41	6	.86	1.09	-.57	1.16	-.49	11	.6316	.2207	+.	3	@330
5	.29	.41	7	1.16	.14	-.87	.43	-2.01	52	.0499	.3650	.15	3	@330
6	.86	1.09	1	.48	.44	.38	1.17	.33	11	.7497	1.000	.000	3	@330
6	.86	1.09	2	.44	.29	.43	1.13	.38	9	.7148	.1683	+.	3	@330
6	.86	1.09	3	.36	.36	.50	1.15	.44	10	.6724	.5001	.41	3	@330
6	.86	1.09	4	.40	.84	.46	1.38	.34	11	.7434	.4795	+.	3	@330
6	.86	1.09	5	.29	.41	.57	1.16	.49	11	.6316	.2207	-.	3	@330
6	.86	1.09	7	1.16	.14	-.30	1.10	-.27	7	.7948	.9898	-2.08	3	@330
7	1.16	.14	1	.48	.44	.68	.46	1.49	44	.1443	.5979	.20	3	@330
7	1.16	.14	2	.44	.29	.72	.32	2.25	138	.0263	.6488	.44	3	@330
7	1.16	.14	3	.36	.36	.80	.39	2.05	70	.0444	.5262	1.45	3	@330
7	1.16	.14	4	.40	.84	.76	.86	.89	8	.4006	.5603	1.20	3	@330
7	1.16	.14	5	.29	.41	.87	.43	2.01	52	.0499	.3650	-.15	3	@330
7	1.16	.14	6	.86	1.09	.30	1.10	.27	7	.7948	.9898	2.08	3	@330
1	-.06	.41	2	.27	.28	-.33	.50	-.66	62	.5131	.3709	-.85	4	@331
1	-.06	.41	3	-.79	.33	.74	.53	1.40	58	.1672	.6161	-.57	4	@331
1	-.06	.41	4	-.24	.77	.19	.87	.22	13	.8323	.3035	+.	4	@331
1	-.06	.41	5	-.33	.38	.28	.56	.50	55	.6204	.6111	-.53	4	@331
1	-.06	.41	6	-1.28	.78	1.22	.88	1.39	13	.1873	.4142	+.	4	@331
1	-.06	.41	7	-.11	.11	.06	.42	.13	42	.8951	.8542	-.26	4	@331
2	.27	.28	1	-.06	.41	.33	.50	.66	62	.5131	.3709	.85	4	@331
2	.27	.28	3	-.79	.33	1.06	.43	2.45	92	.0163	.0090	.45	4	@331
2	.27	.28	4	-.24	.77	.52	.82	.63	11	.5434	.5163	-.	4	@331
2	.27	.28	5	-.33	.38	.61	.47	1.28	72	.2054	.3551	1.00	4	@331
2	.27	.28	6	-1.28	.78	1.55	.83	1.87	11	.0876	.0851	1.10	4	@331
2	.27	.28	7	-.11	.11	.38	.30	1.26	127	.2092	.1294	.40	4	@331
3	-.79	.33	1	-.06	.41	-.74	.53	-1.40	58	.1672	.6161	.57	4	@331
3	-.79	.33	2	.27	.28	-1.06	.43	-2.45	92	.0163	.0090	-.45	4	@331
3	-.79	.33	4	-.24	.77	-.55	.84	-.65	11	.5284	.6419	-.	4	@331
3	-.79	.33	5	-.33	.38	-.46	.50	-.91	65	.3677	.5827	.32	4	@331

3	-.79	.33	6	-1.28	.78	.49	.84	.58	11	.5766	.5577	-.	4	@331
3	-.79	.33	7	-.11	.11	-.68	.35	-1.94	67	.0561	.1982	.22	4	@331
4	-.24	.77	1	-.06	.41	-.19	.87	-.22	13	.8323	.3035	-.	4	@331
4	-.24	.77	2	.27	.28	-.52	.82	-.63	11	.5434	.5163	+.	4	@331
4	-.24	.77	3	-.79	.33	.55	.84	.65	11	.5284	.6419	+.	4	@331
4	-.24	.77	5	-.33	.38	.09	.86	.10	12	.9189	.7532	-.	4	@331
4	-.24	.77	6	-1.28	.78	1.03	1.10	.94	11	.3660			4	@331
4	-.24	.77	7	-.11	.11	-.13	.78	-.17	7	.8700	.7454	.47	4	@331
5	-.33	.38	1	-.06	.41	-.28	.56	-.50	55	.6204	.6111	.53	4	@331
5	-.33	.38	2	.27	.28	-.61	.47	-1.28	72	.2054	.3551	-1.00	4	@331
5	-.33	.38	3	-.79	.33	.46	.50	.91	65	.3677	.5827	-.32	4	@331
5	-.33	.38	4	-.24	.77	-.09	.86	-.10	12	.9189	.7532	+.	4	@331
5	-.33	.38	6	-1.28	.78	.94	.87	1.09	12	.2969	.0792	+.	4	@331
5	-.33	.38	7	-.11	.11	-.22	.40	-.56	50	.5787	.3608	-.83	4	@331
6	-1.28	.78	1	-.06	.41	-1.22	.88	-1.39	13	.1873	.4142	-.	4	@331
6	-1.28	.78	2	.27	.28	-1.55	.83	-1.87	11	.0876	.0851	-1.10	4	@331
6	-1.28	.78	3	-.79	.33	-.49	.84	-.58	11	.5766	.5577	+.	4	@331
6	-1.28	.78	4	-.24	.77	-1.03	1.10	-.94	11	.3660			4	@331
6	-1.28	.78	5	-.33	.38	-.94	.87	-1.09	12	.2969	.0792	-.	4	@331
6	-1.28	.78	7	-.11	.11	-1.17	.79	-1.48	7	.1811	.1820	-.	4	@331
7	-.11	.11	1	-.06	.41	-.06	.42	-.13	42	.8951	.8542	.26	4	@331
7	-.11	.11	2	.27	.28	-.38	.30	-1.26	127	.2092	.1294	-.40	4	@331
7	-.11	.11	3	-.79	.33	.68	.35	1.94	67	.0561	.1982	-.22	4	@331
7	-.11	.11	4	-.24	.77	.13	.78	.17	7	.8700	.7454	-.47	4	@331
7	-.11	.11	5	-.33	.38	.22	.40	.56	50	.5787	.3608	.83	4	@331
7	-.11	.11	6	-1.28	.78	1.17	.79	1.48	7	.1811	.1820	+.	4	@331
1	.11	.42	2	-.50	.26	.62	.49	1.27	59	.2098	.1039	.00	5	@336
1	.11	.42	3	-.03	.34	.14	.54	.26	59	.7921	.3543	.00	5	@336
1	.11	.42	4	-.24	.77	.36	.88	.41	13	.6891	.4328	+.	5	@336
1	.11	.42	5	-.19	.39	.30	.57	.53	55	.5969	.1840	+.	5	@336
1	.11	.42	6	-.68	.78	.80	.88	.90	13	.3822	.1573	+.	5	@336
1	.11	.42	7	.08	.11	.03	.43	.07	42	.9415	.7183	-.50	5	@336
2	-.50	.26	1	.11	.42	-.62	.49	-1.27	59	.2098	.1039	.00	5	@336
2	-.50	.26	3	-.03	.34	-.48	.43	-1.11	87	.2691	.5512	.25	5	@336
2	-.50	.26	4	-.24	.77	-.26	.81	-.32	10	.7563	.8831	+.	5	@336
2	-.50	.26	5	-.19	.39	-.32	.46	-.69	69	.4956	.5985	-.69	5	@336
2	-.50	.26	6	-.68	.78	.18	.82	.22	10	.8319	.2558	+.	5	@336
2	-.50	.26	7	.08	.11	-.59	.28	-2.10	135	.0378	.1191	-.60	5	@336
3	-.03	.34	1	.11	.42	-.14	.54	-.26	59	.7921	.3543	.00	5	@336
3	-.03	.34	2	-.50	.26	.48	.43	1.11	87	.2691	.5512	-.25	5	@336
3	-.03	.34	4	-.24	.77	.22	.85	.26	12	.8025	.7857	+.	5	@336
3	-.03	.34	5	-.19	.39	.16	.52	.31	65	.7592	.9016	.69	5	@336
3	-.03	.34	6	-.68	.78	.65	.85	.77	12	.4561	.4480	+.	5	@336
3	-.03	.34	7	.08	.11	-.11	.36	-.31	66	.7602	.6340	-.08	5	@336
4	-.24	.77	1	.11	.42	-.36	.88	-.41	13	.6891	.4328	-.	5	@336
4	-.24	.77	2	-.50	.26	.26	.81	.32	10	.7563	.8831	-.	5	@336
4	-.24	.77	3	-.03	.34	-.22	.85	-.26	12	.8025	.7857	-.	5	@336
4	-.24	.77	5	-.19	.39	-.06	.86	-.07	12	.9482	.5485	-.	5	@336
4	-.24	.77	6	-.68	.78	.44	1.10	.40	11	.6971	.8084	-.	5	@336
4	-.24	.77	7	.08	.11	-.33	.78	-.42	7	.6879	.5468	-.	5	@336
5	-.19	.39	1	.11	.42	-.30	.57	-.53	55	.5969	.1840	-.	5	@336
5	-.19	.39	2	-.50	.26	.32	.46	.69	69	.4956	.5985	.69	5	@336
5	-.19	.39	3	-.03	.34	-.16	.52	-.31	65	.7592	.9016	-.69	5	@336
5	-.19	.39	4	-.24	.77	.06	.86	.07	12	.9482	.5485	+.	5	@336
5	-.19	.39	6	-.68	.78	.50	.87	.57	12	.5786	.2482	-.	5	@336
5	-.19	.39	7	.08	.11	-.27	.40	-.67	50	.5055	.4935	.39	5	@336
6	-.68	.78	1	.11	.42	-.80	.88	-.90	13	.3822	.1573	-.	5	@336
6	-.68	.78	2	-.50	.26	-.18	.82	-.22	10	.8319	.2558	-.	5	@336
6	-.68	.78	3	-.03	.34	-.65	.85	-.77	12	.4561	.4480	-.	5	@336
6	-.68	.78	4	-.24	.77	-.44	1.10	-.40	11	.6971	.8084	+.	5	@336
6	-.68	.78	5	-.19	.39	-.50	.87	-.57	12	.5786	.2482	+.	5	@336
6	-.68	.78	7	.08	.11	-.76	.79	-.97	7	.3623	.5635	-.	5	@336
7	.08	.11	1	.11	.42	-.03	.43	-.07	42	.9415	.7183	.50	5	@336
7	.08	.11	2	-.50	.26	.59	.28	2.10	135	.0378	.1191	.60	5	@336
7	.08	.11	3	-.03	.34	.11	.36	.31	66	.7602	.6340	.08	5	@336
7	.08	.11	4	-.24	.77	.33	.78	.42	7	.6879	.5468	+.	5	@336
7	.08	.11	5	-.19	.39	.27	.40	.67	50	.5055	.4935	-.39	5	@336
7	.08	.11	6	-.68	.78	.76	.79	.97	7	.3623	.5635	+.	5	@336
1	-1.83	.48	2	-2.03	.29	.20	.56	.36	59	.7212	.6472	.69	6	@337
1	-1.83	.48	3	-1.36	.35	-.47	.59	-.79	56	.4319	.9460	1.10	6	@337
1	-1.83	.48	4	-2.36	1.08	.53	1.18	.45	11	.6604	.2253	+.	6	@337
1	-1.83	.48	5	-1.50	.40	-.33	.62	-.53	54	.5968	.9748	-.41	6	@337
1	-1.83	.48	6	-.68	.78	-1.15	.91	-1.26	14	.2288	.6171	+.	6	@337
1	-1.83	.48	7	-1.68	.14	-.15	.50	-.30	42	.7653	.4498	.31	6	@337
2	-2.03	.29	1	-1.83	.48	-.20	.56	-.36	59	.7212	.6472	-.69	6	@337
2	-2.03	.29	3	-1.36	.35	-.67	.46	-1.47	92	.1451	.1616	-.21	6	@337

2	-2.03	.29	4	-2.36	1.08	.33	1.12	.30	9	.7735	.2888	-.	6	@337
2	-2.03	.29	5	-1.50	.40	-.53	.50	-1.08	72	.2859	.6405	.03	6	@337
2	-2.03	.29	6	-.68	.78	-1.35	.83	-1.63	11	.1324	.1208	-.	6	@337
2	-2.03	.29	7	-1.68	.14	-.35	.32	-1.08	137	.2811	.0675	-.11	6	@337
3	-1.36	.35	1	-1.83	.48	.47	.59	.79	56	.4319	.9460	-1.10	6	@337
3	-1.36	.35	2	-2.03	.29	.67	.46	1.47	92	.1451	.1616	.21	6	@337
3	-1.36	.35	4	-2.36	1.08	1.00	1.14	.88	10	.3982	.1564	+.	6	@337
3	-1.36	.35	5	-1.50	.40	.14	.53	.26	65	.7966	.9778	-.10	6	@337
3	-1.36	.35	6	-.68	.78	-.68	.85	-.80	12	.4403	.4128	+.	6	@337
3	-1.36	.35	7	-1.68	.14	.32	.37	.85	72	.3967	.9940	-.07	6	@337
4	-2.36	1.08	1	-1.83	.48	-.53	1.18	-.45	11	.6604	.2253	-.	6	@337
4	-2.36	1.08	2	-2.03	.29	-.33	1.12	-.30	9	.7735	.2888	+.	6	@337
4	-2.36	1.08	3	-1.36	.35	-1.00	1.14	-.88	10	.3982	.1564	-.	6	@337
4	-2.36	1.08	5	-1.50	.40	-.87	1.15	-.75	10	.4700	.3621	-.	6	@337
4	-2.36	1.08	6	-.68	.78	-1.68	1.33	-1.26	11	.2325			6	@337
4	-2.36	1.08	7	-1.68	.14	-.68	1.09	-.63	7	.5505	.3524	-.	6	@337
5	-1.50	.40	1	-1.83	.48	.33	.62	.53	54	.5968	.9748	.41	6	@337
5	-1.50	.40	2	-2.03	.29	.53	.50	1.08	72	.2859	.6405	-.03	6	@337
5	-1.50	.40	3	-1.36	.35	-.14	.53	-.26	65	.7966	.9778	.10	6	@337
5	-1.50	.40	4	-2.36	1.08	.87	1.15	.75	10	.4700	.3621	+.	6	@337
5	-1.50	.40	6	-.68	.78	-.82	.87	-.94	13	.3667	.3290	-.	6	@337
5	-1.50	.40	7	-1.68	.14	.18	.42	.43	53	.6678	.6450	-.30	6	@337
6	-.68	.78	1	-1.83	.48	1.15	.91	1.26	14	.2288	.6171	-.	6	@337
6	-.68	.78	2	-2.03	.29	1.35	.83	1.63	11	.1324	.1208	+.	6	@337
6	-.68	.78	3	-1.36	.35	.68	.85	.80	12	.4403	.4128	-.	6	@337
6	-.68	.78	4	-2.36	1.08	1.68	1.33	1.26	11	.2325			6	@337
6	-.68	.78	5	-1.50	.40	.82	.87	.94	13	.3667	.3290	+.	6	@337
6	-.68	.78	7	-1.68	.14	1.00	.79	1.27	8	.2410	.5859	+.	6	@337
7	-1.68	.14	1	-1.83	.48	.15	.50	.30	42	.7653	.4498	-.31	6	@337
7	-1.68	.14	2	-2.03	.29	.35	.32	1.08	137	.2811	.0675	.11	6	@337
7	-1.68	.14	3	-1.36	.35	-.32	.37	-.85	72	.3967	.9940	.07	6	@337
7	-1.68	.14	4	-2.36	1.08	.68	1.09	.63	7	.5505	.3524	+.	6	@337
7	-1.68	.14	5	-1.50	.40	-.18	.42	-.43	53	.6678	.6450	.30	6	@337
7	-1.68	.14	6	-.68	.78	-1.00	.79	-1.27	8	.2410	.5859	-.	6	@337
1	-1.05	.42	2	-.57	.25	-.48	.49	-.98	58	.3303	.7807	-.69	7	@339
1	-1.05	.42	3	-.24	.34	-.81	.53	-1.51	58	.1376	.7502	.32	7	@339
1	-1.05	.42	4	-.24	.77	-.80	.88	-.92	13	.3765	1.000	.000	7	@339
1	-1.05	.42	5	-.48	.38	-.57	.56	-1.01	55	.3150	.1184	-1.30	7	@339
1	-1.05	.42	6	-2.80	1.02	1.75	1.10	1.59	11	.1392	.6171	+.	7	@339
1	-1.05	.42	7	-.96	.12	-.09	.43	-.21	42	.8328	.5997	.04	7	@339
2	-.57	.25	1	-1.05	.42	.48	.49	.98	58	.3303	.7807	.69	7	@339
2	-.57	.25	3	-.24	.34	-.33	.42	-.77	88	.4409	.9198	.46	7	@339
2	-.57	.25	4	-.24	.77	-.32	.81	-.40	10	.6984	.8070	-.	7	@339
2	-.57	.25	5	-.48	.38	-.09	.46	-.20	69	.8422	.3704	-.69	7	@339
2	-.57	.25	6	-2.80	1.02	2.23	1.05	2.13	9	.0622	.0184	+.	7	@339
2	-.57	.25	7	-.96	.12	.39	.28	1.38	138	.1701	.7534	.22	7	@339
3	-.24	.34	1	-1.05	.42	.81	.53	1.51	58	.1376	.7502	-.32	7	@339
3	-.24	.34	2	-.57	.25	.33	.42	.77	88	.4409	.9198	-.46	7	@339
3	-.24	.34	4	-.24	.77	.00	.84	.00	11	.9989	.0629	+.	7	@339
3	-.24	.34	5	-.48	.38	.23	.51	.46	65	.6437	.9141	-.77	7	@339
3	-.24	.34	6	-2.80	1.02	2.56	1.07	2.39	10	.0381	.0912	+.	7	@339
3	-.24	.34	7	-.96	.12	.71	.36	2.01	68	.0489	.2010	.32	7	@339
4	-.24	.77	1	-1.05	.42	.80	.88	.92	13	.3765	1.000	.000	7	@339
4	-.24	.77	2	-.57	.25	.32	.81	.40	10	.6984	.8070	+.	7	@339
4	-.24	.77	3	-.24	.34	.00	.84	.00	11	.9989	.0629	-.	7	@339
4	-.24	.77	5	-.48	.38	.23	.86	.27	12	.7907	1.000	.000	7	@339
4	-.24	.77	6	-2.80	1.02	2.56	1.28	2.00	11	.0707			7	@339
4	-.24	.77	7	-.96	.12	.71	.78	.91	7	.3929	.6300	+.	7	@339
5	-.48	.38	1	-1.05	.42	.57	.56	1.01	55	.3150	.1184	1.30	7	@339
5	-.48	.38	2	-.57	.25	.09	.46	.20	69	.8422	.3704	.69	7	@339
5	-.48	.38	3	-.24	.34	-.23	.51	-.46	65	.6437	.9141	.77	7	@339
5	-.48	.38	4	-.24	.77	-.23	.86	-.27	12	.7907	1.000	.000	7	@339
5	-.48	.38	6	-2.80	1.02	2.32	1.09	2.14	10	.0580	.0184	+.	7	@339
5	-.48	.38	7	-.96	.12	.48	.40	1.21	51	.2328	.8480	.53	7	@339
6	-2.80	1.02	1	-1.05	.42	-1.75	1.10	-1.59	11	.1392	.6171	-.	7	@339
6	-2.80	1.02	2	-.57	.25	-2.23	1.05	-2.13	9	.0622	.0184	-.	7	@339
6	-2.80	1.02	3	-.24	.34	-2.56	1.07	-2.39	10	.0381	.0912	-.	7	@339
6	-2.80	1.02	4	-.24	.77	-2.56	1.28	-2.00	11	.0707			7	@339
6	-2.80	1.02	5	-.48	.38	-2.32	1.09	-2.14	10	.0580	.0184	-.	7	@339
6	-2.80	1.02	7	-.96	.12	-1.85	1.03	-1.80	7	.1148	.0723	-.	7	@339
7	-.96	.12	1	-1.05	.42	.09	.43	.21	42	.8328	.5997	-.04	7	@339
7	-.96	.12	2	-.57	.25	-.39	.28	-1.38	138	.1701	.7534	-.22	7	@339
7	-.96	.12	3	-.24	.34	-.71	.36	-2.01	68	.0489	.2010	-.32	7	@339
7	-.96	.12	4	-.24	.77	-.71	.78	-.91	7	.3929	.6300	-.	7	@339
7	-.96	.12	5	-.48	.38	-.48	.40	-1.21	51	.2328	.8480	-.53	7	@339
7	-.96	.12	6	-2.80	1.02	1.85	1.03	1.80	7	.1148	.0723	+.	7	@339

1	-.22	.41	2	-.44	.26	.22	.48	.45	59	.6521	.4476	+.	8	@340	
1	-.22	.41	3	-.13	.34	-.09	.53	-.17	59	.8629	.8206	1.10	8	@340	
1	-.22	.41	4	.40	.84	-.62	.94	-.66	12	.5211	.8415	+.	8	@340	
1	-.22	.41	5	-.48	.38	.26	.55	.46	55	.6452	.6050	.69	8	@340	
1	-.22	.41	6	-.03	.85	-.19	.94	-.20	12	.8454	.4795	-.	8	@340	
1	-.22	.41	7	-.31	.11	.09	.42	.21	42	.8338	.5587	-.02	8	@340	
2	-.44	.26	1	-.22	.41	-.22	.48	-.45	59	.6521	.4476	-.	8	@340	
2	-.44	.26	3	-.13	.34	-.31	.42	-.73	88	.4690	.5612	-.15	8	@340	
2	-.44	.26	4	.40	.84	-.84	.88	-.95	10	.3656	.5737	-.	8	@340	
2	-.44	.26	5	-.48	.38	.04	.46	.09	70	.9317	.2016	-.	8	@340	
2	-.44	.26	6	-.03	.85	-.40	.89	-.46	10	.6576	.7041	+.	8	@340	
2	-.44	.26	7	-.31	.11	-.13	.28	-.46	134	.6475	.3391	.09	8	@340	
3	-.13	.34	1	-.22	.41	.09	.53	.17	59	.8629	.8206	-1.10	8	@340	
3	-.13	.34	2	-.44	.26	.31	.42	.73	88	.4690	.5612	.15	8	@340	
3	-.13	.34	4	.40	.84	-.53	.91	-.58	11	.5737	.3292	-.	8	@340	
3	-.13	.34	5	-.48	.38	.35	.51	.69	66	.4950	.3880	1.10	8	@340	
3	-.13	.34	6	-.03	.85	-.10	.91	-.10	11	.9184	.8104	.41	8	@340	
3	-.13	.34	7	-.31	.11	.18	.36	.51	66	.6151	.6857	-.33	8	@340	
4	.40	.84	1	-.22	.41	.62	.94	.66	12	.5211	.8415	-.	8	@340	
4	.40	.84	2	-.44	.26	.84	.88	.95	10	.3656	.5737	+.	8	@340	
4	.40	.84	3	-.13	.34	.53	.91	.58	11	.5737	.3292	+.	8	@340	
4	.40	.84	5	-.48	.38	.88	.93	.95	12	.3625	.1167	+.	8	@340	
4	.40	.84	6	-.03	.85	.43	1.20	.36	11	.7250	.2253	+.	8	@340	
4	.40	.84	7	-.31	.11	.71	.85	.83	7	.4334	.3673	.47	8	@340	
5	-.48	.38	1	-.22	.41	-.26	.55	-.46	55	.6452	.6050	-.69	8	@340	
5	-.48	.38	2	-.44	.26	-.04	.46	-.09	70	.9317	.2016	+.	8	@340	
5	-.48	.38	3	-.13	.34	-.35	.51	-.69	66	.4950	.3880	-1.10	8	@340	
5	-.48	.38	4	.40	.84	-.88	.93	-.95	12	.3625	.1167	-.	8	@340	
5	-.48	.38	6	-.03	.85	-.44	.93	-.48	12	.6412	.7389	-.69	8	@340	
5	-.48	.38	7	-.31	.11	-.17	.39	-.43	50	.6726	.4318	-.82	8	@340	
6	-.03	.85	1	-.22	.41	.19	.94	.20	12	.8454	.4795	+.	8	@340	
6	-.03	.85	2	-.44	.26	.40	.89	.46	10	.6576	.7041	-.	8	@340	
6	-.03	.85	3	-.13	.34	.10	.91	.10	11	.9184	.8104	-.41	8	@340	
6	-.03	.85	4	.40	.84	-.43	1.20	-.36	11	.7250	.2253	-.	8	@340	
6	-.03	.85	5	-.48	.38	.44	.93	.48	12	.6412	.7389	.69	8	@340	
6	-.03	.85	7	-.31	.11	.28	.86	.32	7	.7563	.9805	-.69	8	@340	
7	-.31	.11	1	-.22	.41	-.09	.42	-.21	42	.8338	.5587	.02	8	@340	
7	-.31	.11	2	-.44	.26	.13	.28	.46	134	.6475	.3391	-.09	8	@340	
7	-.31	.11	3	-.13	.34	-.18	.36	-.51	66	.6151	.6857	.33	8	@340	
7	-.31	.11	4	.40	.84	-.71	.85	-.83	7	.4334	.3673	-.47	8	@340	
7	-.31	.11	5	-.48	.38	.17	.39	.43	50	.6726	.4318	.82	8	@340	
7	-.31	.11	6	-.03	.85	-.28	.86	-.32	7	.7563	.9805	.69	8	@340	
1	.11	.42	2	-.10	.27	.21	.49	.44	60	.6647	.4013	-.69	9	@341	
1	.11	.42	3	.11	.35	.01	.54	.02	59	.9879	.8790	-.	9	@341	
1	.11	.42	4	1.28	1.08	-1.17	1.16	-1.01	11	.3332	.4795	+.	9	@341	
1	.11	.42	5	-.04	.39	.15	.57	.26	55	.7934	.8354	-.	9	@341	
1	.11	.42	6	-.03	.85	.15	.94	.16	12	.8777			9	@341	
1	.11	.42	7	.06	.11	.06	.43	.13	42	.8983	.8657	-.05	9	@341	
2	-.10	.27	1	.11	.42	-.21	.49	-.44	60	.6647	.4013	.69	9	@341	
2	-.10	.27	3	.11	.35	-.21	.44	-.47	88	.6387	.7860	.00	9	@341	
2	-.10	.27	4	1.28	1.08	-1.38	1.11	-1.25	9	.2439	.1937	-.	9	@341	
2	-.10	.27	5	-.04	.39	-.06	.47	-.14	69	.8924	.4893	1.79	9	@341	
2	-.10	.27	6	-.03	.85	-.07	.89	-.07	10	.9421	.9764	-.	9	@341	
2	-.10	.27	7	.06	.11	-.16	.29	-.55	132	.5820	.4936	-.38	9	@341	
3	.11	.35	1	.11	.42	-.01	.54	-.02	59	.9879	.8790	+.	9	@341	
3	.11	.35	2	-.10	.27	.21	.44	.47	88	.6387	.7860	.00	9	@341	
3	.11	.35	4	1.28	1.08	-1.18	1.13	-1.04	10	.3231	.1937	-.	9	@341	
3	.11	.35	5	-.04	.39	.14	.53	.27	65	.7874	.2693	+.	9	@341	
3	.11	.35	6	-.03	.85	.14	.92	.15	11	.8812	.2022	-.	9	@341	
3	.11	.35	7	.06	.11	.05	.37	.13	66	.8982	.9772	-.24	9	@341	
4	1.28	1.08	1	.11	.42	1.17	1.16	1.01	11	.3332	.4795	-.	9	@341	
4	1.28	1.08	2	-.10	.27	1.38	1.11	1.25	9	.2439	.1937	+.	9	@341	
4	1.28	1.08	3	.11	.35	1.18	1.13	1.04	10	.3231	.1937	+.	9	@341	
4	1.28	1.08	5	-.04	.39	1.32	1.15	1.15	10	.2767	.4795	+.	9	@341	
4	1.28	1.08	6	-.03	.85	1.32	1.37	.96	11	.3573	.3173	+.	9	@341	
4	1.28	1.08	7	.06	.11	1.22	1.08	1.13	7	.2957	.3778	-1.20	9	@341	
5	-.04	.39	1	.11	.42	-.15	.57	-.26	55	.7934	.8354	+.	9	@341	
5	-.04	.39	2	-.10	.27	.06	.47	.14	69	.8924	.4893	-1.79	9	@341	
5	-.04	.39	3	.11	.35	-.14	.53	-.27	65	.7874	.2693	-.	9	@341	
5	-.04	.39	4	1.28	1.08	-1.32	1.15	-1.15	10	.2767	.4795	-.	9	@341	
5	-.04	.39	6	-.03	.85	.00	.93	.00	12	.9984	.0960	-.	9	@341	
5	-.04	.39	7	.06	.11	-.10	.41	-.23	49	.8171	.3777	.00	9	@341	
6	-.03	.85	1	.11	.42	-.15	.94	-.16	12	.8777			9	@341	
6	-.03	.85	2	-.10	.27	.07	.89	.07	10	.9421	.9764	+.	9	@341	
6	-.03	.85	3	.11	.35	-.14	.92	-.15	11	.8812	.2022	+.	9	@341	
6	-.03	.85	4	1.28	1.08	-1.32	1.37	-.96	11	.3573	.3173	-.	9	@341	

6	-.03	.85	5	-.04	.39	.00	.93	.00	12	.9984	.0960	+.	9	@341
6	-.03	.85	7	.06	.11	-.09	.86	-.11	7	.9164	.5740	-.	9	@341
7	.06	.11	1	.11	.42	-.06	.43	-.13	42	.8983	.8657	.05	9	@341
7	.06	.11	2	-.10	.27	.16	.29	.55	132	.5820	.4936	.38	9	@341
7	.06	.11	3	.11	.35	-.05	.37	-.13	66	.8982	.9772	.24	9	@341
7	.06	.11	4	1.28	1.08	-1.22	1.08	-1.13	7	.2957	.3778	1.20	9	@341
7	.06	.11	5	-.04	.39	.10	.41	.23	49	.8171	.3777	.00	9	@341
7	.06	.11	6	-.03	.85	.09	.86	.11	7	.9164	.5740	+.	9	@341
1	.29	.42	2	.04	.27	.25	.50	.49	60	.6245	.8176	-.45	10	@344
1	.29	.42	3	.23	.36	.06	.55	.11	59	.9135	.9812	-.	10	@344
1	.29	.42	4	-.24	.77	.54	.88	.61	13	.5542	.0896	+.	10	@344
1	.29	.42	5	.46	.43	-.17	.60	-.28	55	.7774	.4908	-.41	10	@344
1	.29	.42	6	.86	1.08	-.57	1.16	-.49	11	.6355	.4142	-.	10	@344
1	.29	.42	7	.06	.11	.23	.44	.53	41	.5970	.5183	.41	10	@344
2	.04	.27	1	.29	.42	-.25	.50	-.49	60	.6245	.8176	.45	10	@344
2	.04	.27	3	.23	.36	-.19	.45	-.42	88	.6763	.4250	.95	10	@344
2	.04	.27	4	-.24	.77	.29	.82	.35	10	.7327	.2471	+.	10	@344
2	.04	.27	5	.46	.43	-.42	.51	-.83	67	.4099	.1272	-.44	10	@344
2	.04	.27	6	.86	1.08	-.81	1.12	-.73	9	.4839	.8495	-.	10	@344
2	.04	.27	7	.06	.11	-.01	.29	-.05	130	.9636	.5124	.05	10	@344
3	.23	.36	1	.29	.42	-.06	.55	-.11	59	.9135	.9812	+.	10	@344
3	.23	.36	2	.04	.27	.19	.45	.42	88	.6763	.4250	-.95	10	@344
3	.23	.36	4	-.24	.77	.47	.85	.56	12	.5870	.8075	+.	10	@344
3	.23	.36	5	.46	.43	-.23	.56	-.42	65	.6783	.4389	-.69	10	@344
3	.23	.36	6	.86	1.08	-.63	1.14	-.55	10	.5940	.1138	+.	10	@344
3	.23	.36	7	.06	.11	.17	.37	.47	65	.6435	.5196	-.46	10	@344
4	-.24	.77	1	.29	.42	-.54	.88	-.61	13	.5542	.0896	-.	10	@344
4	-.24	.77	2	.04	.27	-.29	.82	-.35	10	.7327	.2471	-.	10	@344
4	-.24	.77	3	.23	.36	-.47	.85	-.56	12	.5870	.8075	-.	10	@344
4	-.24	.77	5	.46	.43	-.71	.88	-.80	13	.4379	.3173	-.	10	@344
4	-.24	.77	6	.86	1.08	-1.10	1.33	-.83	11	.4248	.4795	-.	10	@344
4	-.24	.77	7	.06	.11	-.30	.78	-.39	7	.7114	.8418	+.	10	@344
5	.46	.43	1	.29	.42	.17	.60	.28	55	.7774	.4908	.41	10	@344
5	.46	.43	2	.04	.27	.42	.51	.83	67	.4099	.1272	.44	10	@344
5	.46	.43	3	.23	.36	.23	.56	.42	65	.6783	.4389	.69	10	@344
5	.46	.43	4	-.24	.77	.71	.88	.80	13	.4379	.3173	+.	10	@344
5	.46	.43	6	.86	1.08	-.40	1.16	-.34	11	.7401	.7389	.69	10	@344
5	.46	.43	7	.06	.11	.41	.44	.92	47	.3632	.2217	.15	10	@344
6	.86	1.08	1	.29	.42	.57	1.16	.49	11	.6355	.4142	+.	10	@344
6	.86	1.08	2	.04	.27	.81	1.12	.73	9	.4839	.8495	+.	10	@344
6	.86	1.08	3	.23	.36	.63	1.14	.55	10	.5940	.1138	-.	10	@344
6	.86	1.08	4	-.24	.77	1.10	1.33	.83	11	.4248	.4795	+.	10	@344
6	.86	1.08	5	.46	.43	.40	1.16	.34	11	.7401	.7389	-.69	10	@344
6	.86	1.08	7	.06	.11	.80	1.09	.74	7	.4856	.5225	-.22	10	@344
7	.06	.11	1	.29	.42	-.23	.44	-.53	41	.5970	.5183	-.41	10	@344
7	.06	.11	2	.04	.27	.01	.29	.05	130	.9636	.5124	-.05	10	@344
7	.06	.11	3	.23	.36	-.17	.37	-.47	65	.6435	.5196	.46	10	@344
7	.06	.11	4	-.24	.77	.30	.78	.39	7	.7114	.8418	-.	10	@344
7	.06	.11	5	.46	.43	-.41	.44	-.92	47	.3632	.2217	-.15	10	@344
7	.06	.11	6	.86	1.08	-.80	1.09	-.74	7	.4856	.5225	.22	10	@344
1	-1.05	.42	2	-1.02	.25	-.03	.49	-.06	58	.9529	.7797	-.69	11	@345
1	-1.05	.42	3	-.68	.33	-.37	.53	-.69	58	.4942	.6121	-1.10	11	@345
1	-1.05	.42	4	.40	.84	-1.45	.94	-1.54	12	.1496	.8415	-.	11	@345
1	-1.05	.42	5	-.62	.38	-.43	.56	-.76	55	.4488	.3378	-.	11	@345
1	-1.05	.42	6	-1.28	.78	.23	.88	.26	13	.7989	1.000	.000	11	@345
1	-1.05	.42	7	-.98	.12	-.06	.43	-.15	42	.8839	.9819	-.92	11	@345
2	-1.02	.25	1	-1.05	.42	.03	.49	.06	58	.9529	.7797	.69	11	@345
2	-1.02	.25	3	-.68	.33	-.34	.42	-.81	89	.4212	.9368	.13	11	@345
2	-1.02	.25	4	.40	.84	-1.42	.88	-1.61	10	.1382	.0153	-.	11	@345
2	-1.02	.25	5	-.62	.38	-.40	.45	-.88	69	.3824	.6478	.00	11	@345
2	-1.02	.25	6	-1.28	.78	.26	.82	.32	10	.7587	.6882	+.	11	@345
2	-1.02	.25	7	-.98	.12	-.03	.28	-.12	138	.9018	.0630	-.64	11	@345
3	-.68	.33	1	-1.05	.42	.37	.53	.69	58	.4942	.6121	1.10	11	@345
3	-.68	.33	2	-1.02	.25	.34	.42	.81	89	.4212	.9368	-.13	11	@345
3	-.68	.33	4	.40	.84	-1.08	.90	-1.19	11	.2572	.3248	-.	11	@345
3	-.68	.33	5	-.62	.38	-.06	.50	-.13	65	.9008	.8438	-1.39	11	@345
3	-.68	.33	6	-1.28	.78	.59	.84	.70	11	.4955	.7039	+.	11	@345
3	-.68	.33	7	-.98	.12	.30	.35	.86	69	.3923	.8461	-.23	11	@345
4	.40	.84	1	-1.05	.42	1.45	.94	1.54	12	.1496	.8415	+.	11	@345
4	.40	.84	2	-1.02	.25	1.42	.88	1.61	10	.1382	.0153	+.	11	@345
4	.40	.84	3	-.68	.33	1.08	.90	1.19	11	.2572	.3248	+.	11	@345
4	.40	.84	5	-.62	.38	1.02	.92	1.10	12	.2913	.1823	+.	11	@345
4	.40	.84	6	-1.28	.78	1.68	1.15	1.46	11	.1715	.4795	+.	11	@345
4	.40	.84	7	-.98	.12	1.38	.85	1.63	7	.1480	.2164	-.15	11	@345
5	-.62	.38	1	-1.05	.42	.43	.56	.76	55	.4488	.3378	+.	11	@345
5	-.62	.38	2	-1.02	.25	.40	.45	.88	69	.3824	.6478	.00	11	@345

5	-.62	.38	3	-.68	.33	.06	.50	.13	65	.9008	.8438	1.39	11	@345
5	-.62	.38	4	.40	.84	-1.02	.92	-1.10	12	.2913	.1823	-.	11	@345
5	-.62	.38	6	-1.28	.78	.66	.86	.76	12	.4609	.0990	.69	11	@345
5	-.62	.38	7	-.98	.12	.36	.39	.92	51	.3600	.8780	.57	11	@345
6	-1.28	.78	1	-1.05	.42	-.23	.88	-.26	13	.7989	1.000	.000	11	@345
6	-1.28	.78	2	-1.02	.25	-.26	.82	-.32	10	.7587	.6882	-.	11	@345
6	-1.28	.78	3	-.68	.33	-.59	.84	-.70	11	.4955	.7039	-.	11	@345
6	-1.28	.78	4	.40	.84	-1.68	1.15	-1.46	11	.1715	.4795	-.	11	@345
6	-1.28	.78	5	-.62	.38	-.66	.86	-.76	12	.4609	.0990	-.69	11	@345
6	-1.28	.78	7	-.98	.12	-.29	.79	-.37	7	.7204	.5456	.45	11	@345
7	-.98	.12	1	-1.05	.42	.06	.43	.15	42	.8839	.9819	.92	11	@345
7	-.98	.12	2	-1.02	.25	.03	.28	.12	138	.9018	.0630	.64	11	@345
7	-.98	.12	3	-.68	.33	-.30	.35	-.86	69	.3923	.8461	.23	11	@345
7	-.98	.12	4	.40	.84	-1.38	.85	-1.63	7	.1480	.2164	.15	11	@345
7	-.98	.12	5	-.62	.38	-.36	.39	-.92	51	.3600	.8780	-.57	11	@345
7	-.98	.12	6	-1.28	.78	.29	.79	.37	7	.7204	.5456	-.45	11	@345
1	-1.23	.43	2	-.57	.25	-.66	.50	-1.32	58	.1909	.0972	-.	12	@346
1	-1.23	.43	3	-.68	.33	-.54	.54	-1.01	58	.3177	.2392	-.	12	@346
1	-1.23	.43	4	-.83	.77	-.39	.88	-.44	13	.6643	.2253	-.	12	@346
1	-1.23	.43	5	-1.19	.38	-.03	.57	-.06	55	.9543	.4457	-.41	12	@346
1	-1.23	.43	6	-.03	.85	-1.19	.95	-1.26	12	.2329	1.000	.000	12	@346
1	-1.23	.43	7	-1.40	.13	.17	.45	.38	43	.7052	.7909	.34	12	@346
2	-.57	.25	1	-1.23	.43	.66	.50	1.32	58	.1909	.0972	+.	12	@346
2	-.57	.25	3	-.68	.33	.11	.42	.27	89	.7856	.9244	-.10	12	@346
2	-.57	.25	4	-.83	.77	.26	.81	.33	10	.7515	.7711	.00	12	@346
2	-.57	.25	5	-1.19	.38	.62	.46	1.35	69	.1805	.1863	.66	12	@346
2	-.57	.25	6	-.03	.85	-.54	.89	-.60	10	.5590	.3319	1.10	12	@346
2	-.57	.25	7	-1.40	.13	.83	.28	2.90	144	.0043	.0777	.85	12	@346
3	-.68	.33	1	-1.23	.43	.54	.54	1.01	58	.3177	.2392	+.	12	@346
3	-.68	.33	2	-.57	.25	-.11	.42	-.27	89	.7856	.9244	.10	12	@346
3	-.68	.33	4	-.83	.77	.15	.84	.18	11	.8605	.4658	-.	12	@346
3	-.68	.33	5	-1.19	.38	.51	.51	1.01	65	.3178	.0734	-1.10	12	@346
3	-.68	.33	6	-.03	.85	-.65	.91	-.71	11	.4906	.9499	1.39	12	@346
3	-.68	.33	7	-1.40	.13	.71	.35	2.01	72	.0478	.2440	.92	12	@346
4	-.83	.77	1	-1.23	.43	.39	.88	.44	13	.6643	.2253	+.	12	@346
4	-.83	.77	2	-.57	.25	-.26	.81	-.33	10	.7515	.7711	.00	12	@346
4	-.83	.77	3	-.68	.33	-.15	.84	-.18	11	.8605	.4658	+.	12	@346
4	-.83	.77	5	-1.19	.38	.36	.86	.42	12	.6849	.0906	+.	12	@346
4	-.83	.77	6	-.03	.85	-.80	1.15	-.70	11	.5001	.8084	-.	12	@346
4	-.83	.77	7	-1.40	.13	.56	.78	.72	8	.4940	.4405	2.48	12	@346
5	-1.19	.38	1	-1.23	.43	.03	.57	.06	55	.9543	.4457	.41	12	@346
5	-1.19	.38	2	-.57	.25	-.62	.46	-1.35	69	.1805	.1863	-.66	12	@346
5	-1.19	.38	3	-.68	.33	-.51	.51	-1.01	65	.3178	.0734	1.10	12	@346
5	-1.19	.38	4	-.83	.77	-.36	.86	-.42	12	.6849	.0906	-.	12	@346
5	-1.19	.38	6	-.03	.85	-1.16	.93	-1.24	12	.2369	.3290	.69	12	@346
5	-1.19	.38	7	-1.40	.13	.20	.41	.50	52	.6195	.9153	.91	12	@346
6	-.03	.85	1	-1.23	.43	1.19	.95	1.26	12	.2329	1.000	.000	12	@346
6	-.03	.85	2	-.57	.25	.54	.89	.60	10	.5590	.3319	-1.10	12	@346
6	-.03	.85	3	-.68	.33	.65	.91	.71	11	.4906	.9499	-1.39	12	@346
6	-.03	.85	4	-.83	.77	.80	1.15	.70	11	.5001	.8084	+.	12	@346
6	-.03	.85	5	-1.19	.38	1.16	.93	1.24	12	.2369	.3290	-.69	12	@346
6	-.03	.85	7	-1.40	.13	1.36	.86	1.59	7	.1563	.2074	.70	12	@346
7	-1.40	.13	1	-1.23	.43	-.17	.45	-.38	43	.7052	.7909	-.34	12	@346
7	-1.40	.13	2	-.57	.25	-.83	.28	-2.90	144	.0043	.0777	-.85	12	@346
7	-1.40	.13	3	-.68	.33	-.71	.35	-2.01	72	.0478	.2440	-.92	12	@346
7	-1.40	.13	4	-.83	.77	-.56	.78	-.72	8	.4940	.4405	-2.48	12	@346
7	-1.40	.13	5	-1.19	.38	-.20	.41	-.50	52	.6195	.9153	-.91	12	@346
7	-1.40	.13	6	-.03	.85	-1.36	.86	-1.59	7	.1563	.2074	-.70	12	@346
1	-.71	.41	2	.04	.27	-.75	.49	-1.55	61	.1271	.3737	-.85	13	@347
1	-.71	.41	3	-.35	.33	-.36	.52	-.68	58	.4994	.5373	-.51	13	@347
1	-.71	.41	4	1.27	1.04	-1.98	1.11	-1.78	11	.1027	.1615	-.	13	@347
1	-.71	.41	5	-.90	.38	.19	.55	.35	55	.7302	.3641	-.41	13	@347
1	-.71	.41	6	.86	1.08	-1.57	1.15	-1.36	11	.2006	.3173	-.	13	@347
1	-.71	.41	7	-.56	.11	-.15	.42	-.35	42	.7280	.3112	-.28	13	@347
2	.04	.27	1	-.71	.41	.75	.49	1.55	61	.1271	.3737	.85	13	@347
2	.04	.27	3	-.35	.33	.40	.43	.93	90	.3560	.4820	-.07	13	@347
2	.04	.27	4	1.27	1.04	-1.23	1.07	-1.15	9	.2814	.1439	-.	13	@347
2	.04	.27	5	-.90	.38	.95	.46	2.04	71	.0453	.0316	.00	13	@347
2	.04	.27	6	.86	1.08	-.81	1.11	-.73	9	.4829	.7456	+.	13	@347
2	.04	.27	7	-.56	.11	.61	.29	2.07	131	.0409	.0498	-.03	13	@347
3	-.35	.33	1	-.71	.41	.36	.52	.68	58	.4994	.5373	.51	13	@347
3	-.35	.33	2	.04	.27	-.40	.43	-.93	90	.3560	.4820	.07	13	@347
3	-.35	.33	4	1.27	1.04	-1.63	1.09	-1.49	10	.1664	.1624	-.	13	@347
3	-.35	.33	5	-.90	.38	.55	.50	1.09	65	.2794	.1918	.45	13	@347
3	-.35	.33	6	.86	1.08	-1.21	1.13	-1.07	10	.3081	.4469	-.41	13	@347
3	-.35	.33	7	-.56	.11	.21	.35	.59	67	.5544	.6129	-.01	13	@347

4	1.27	1.04	1	-.71	.41	1.98	1.11	1.78	11	.1027	.1615	+.	13	@347
4	1.27	1.04	2	.04	.27	1.23	1.07	1.15	9	.2814	.1439	+.	13	@347
4	1.27	1.04	3	-.35	.33	1.63	1.09	1.49	10	.1664	.1624	+.	13	@347
4	1.27	1.04	5	-.90	.38	2.18	1.10	1.97	10	.0771	.1615	+.	13	@347
4	1.27	1.04	6	.86	1.08	.42	1.50	.28	11	.7861	.4795	+.	13	@347
4	1.27	1.04	7	-.56	.11	1.84	1.04	1.76	7	.1221	.0749	-.15	13	@347
5	-.90	.38	1	-.71	.41	-.19	.55	-.35	55	.7302	.3641	.41	13	@347
5	-.90	.38	2	.04	.27	-.95	.46	-2.04	71	.0453	.0316	.00	13	@347
5	-.90	.38	3	-.35	.33	-.55	.50	-1.09	65	.2794	.1918	-.45	13	@347
5	-.90	.38	4	1.27	1.04	-2.18	1.10	-1.97	10	.0771	.1615	-.	13	@347
5	-.90	.38	6	.86	1.08	-1.76	1.14	-1.54	10	.1543	.3701	-.69	13	@347
5	-.90	.38	7	-.56	.11	-.34	.39	-.86	50	.3931	.1317	-.44	13	@347
6	.86	1.08	1	-.71	.41	1.57	1.15	1.36	11	.2006	.3173	+.	13	@347
6	.86	1.08	2	.04	.27	.81	1.11	.73	9	.4829	.7456	-.	13	@347
6	.86	1.08	3	-.35	.33	1.21	1.13	1.07	10	.3081	.4469	.41	13	@347
6	.86	1.08	4	1.27	1.04	-.42	1.50	-.28	11	.7861	.4795	-.	13	@347
6	.86	1.08	5	-.90	.38	1.76	1.14	1.54	10	.1543	.3701	.69	13	@347
6	.86	1.08	7	-.56	.11	1.42	1.08	1.31	7	.2314	.1572	.69	13	@347
7	-.56	.11	1	-.71	.41	.15	.42	.35	42	.7280	.3112	.28	13	@347
7	-.56	.11	2	.04	.27	-.61	.29	-2.07	131	.0409	.0498	.03	13	@347
7	-.56	.11	3	-.35	.33	-.21	.35	-.59	67	.5544	.6129	.01	13	@347
7	-.56	.11	4	1.27	1.04	-1.84	1.04	-1.76	7	.1221	.0749	.15	13	@347
7	-.56	.11	5	-.90	.38	.34	.39	.86	50	.3931	.1317	.44	13	@347
7	-.56	.11	6	.86	1.08	-1.42	1.08	-1.31	7	.2314	.1572	-.69	13	@347
1	1.41	.55	2	.27	.28	1.14	.62	1.84	53	.0710	.1519	-.69	14	@348
1	1.41	.55	3	.23	.36	1.18	.66	1.80	54	.0774	.8272	-.69	14	@348
1	1.41	.55	4	1.29	1.08	.13	1.21	.11	12	.9171	.8084	+.	14	@348
1	1.41	.55	5	-.04	.39	1.45	.68	2.14	52	.0371	.2008	.69	14	@348
1	1.41	.55	6	-1.28	.78	2.69	.96	2.82	15	.0130	.1025	+.	14	@348
1	1.41	.55	7	.74	.12	.67	.57	1.19	38	.2411	.3491	-1.12	14	@348
2	.27	.28	1	1.41	.55	-1.14	.62	-1.84	53	.0710	.1519	.69	14	@348
2	.27	.28	3	.23	.36	.04	.45	.09	89	.9285	.9500	.01	14	@348
2	.27	.28	4	1.29	1.08	-1.01	1.12	-.91	9	.3879	.6908	-.	14	@348
2	.27	.28	5	-.04	.39	.31	.48	.64	71	.5266	.8655	1.39	14	@348
2	.27	.28	6	-1.28	.78	1.55	.83	1.87	10	.0913	.2296	1.10	14	@348
2	.27	.28	7	.74	.12	-.47	.31	-1.52	133	.1303	.3915	-.60	14	@348
3	.23	.36	1	1.41	.55	-1.18	.66	-1.80	54	.0774	.8272	.69	14	@348
3	.23	.36	2	.27	.28	-.04	.45	-.09	89	.9285	.9500	-.01	14	@348
3	.23	.36	4	1.29	1.08	-1.05	1.14	-.93	10	.3761	.5831	-.	14	@348
3	.23	.36	5	-.04	.39	.27	.53	.50	66	.6167	.7229	1.03	14	@348
3	.23	.36	6	-1.28	.78	1.51	.86	1.76	12	.1040	.1758	1.39	14	@348
3	.23	.36	7	.74	.12	-.51	.38	-1.35	68	.1814	.9118	-.51	14	@348
4	1.29	1.08	1	1.41	.55	-.13	1.21	-.11	12	.9171	.8084	-.	14	@348
4	1.29	1.08	2	.27	.28	1.01	1.12	.91	9	.3879	.6908	+.	14	@348
4	1.29	1.08	3	.23	.36	1.05	1.14	.93	10	.3761	.5831	+.	14	@348
4	1.29	1.08	5	-.04	.39	1.32	1.15	1.15	10	.2775	.9183	+.	14	@348
4	1.29	1.08	6	-1.28	.78	2.56	1.33	1.92	11	.0808	.4795	+.	14	@348
4	1.29	1.08	7	.74	.12	.55	1.09	.50	7	.6317	.4975	+.	14	@348
5	-.04	.39	1	1.41	.55	-1.45	.68	-2.14	52	.0371	.2008	-.69	14	@348
5	-.04	.39	2	.27	.28	-.31	.48	-.64	71	.5266	.8655	-1.39	14	@348
5	-.04	.39	3	.23	.36	-.27	.53	-.50	66	.6167	.7229	-1.03	14	@348
5	-.04	.39	4	1.29	1.08	-1.32	1.15	-1.15	10	.2775	.9183	-.	14	@348
5	-.04	.39	6	-1.28	.78	1.24	.87	1.42	12	.1804	.3017	.69	14	@348
5	-.04	.39	7	.74	.12	-.78	.41	-1.89	51	.0650	.1633	-.94	14	@348
6	-1.28	.78	1	1.41	.55	-2.69	.96	-2.82	15	.0130	.1025	-.	14	@348
6	-1.28	.78	2	.27	.28	-1.55	.83	-1.87	10	.0913	.2296	-1.10	14	@348
6	-1.28	.78	3	.23	.36	-1.51	.86	-1.76	12	.1040	.1758	-1.39	14	@348
6	-1.28	.78	4	1.29	1.08	-2.56	1.33	-1.92	11	.0808	.4795	-.	14	@348
6	-1.28	.78	5	-.04	.39	-1.24	.87	-1.42	12	.1804	.3017	-.69	14	@348
6	-1.28	.78	7	.74	.12	-2.02	.79	-2.55	8	.0339	.0500	-.96	14	@348
7	.74	.12	1	1.41	.55	-.67	.57	-1.19	38	.2411	.3491	1.12	14	@348
7	.74	.12	2	.27	.28	.47	.31	1.52	133	.1303	.3915	.60	14	@348
7	.74	.12	3	.23	.36	.51	.38	1.35	68	.1814	.9118	.51	14	@348
7	.74	.12	4	1.29	1.08	-.55	1.09	-.50	7	.6317	.4975	-.	14	@348
7	.74	.12	5	-.04	.39	.78	.41	1.89	51	.0650	.1633	.94	14	@348
7	.74	.12	6	-1.28	.78	2.02	.79	2.55	8	.0339	.0500	.96	14	@348
1	-.71	.41	2	-.10	.27	-.61	.48	-1.26	60	.2124	.3669	.29	15	@353
1	-.71	.41	3	-.57	.33	-.14	.52	-.26	58	.7936	.3061	-.	15	@353
1	-.71	.41	4	-.83	.77	.12	.87	.14	13	.8905	1.000	.000	15	@353
1	-.71	.41	5	-.48	.38	-.23	.55	-.42	55	.6756	.7995	-.69	15	@353
1	-.71	.41	6	.86	1.08	-1.57	1.15	-1.36	10	.2042	1.000	.000	15	@353
1	-.71	.41	7	-.19	.11	-.52	.42	-1.24	42	.2221	.3515	-.79	15	@353
2	-.10	.27	1	-.71	.41	.61	.48	1.26	60	.2124	.3669	-.29	15	@353
2	-.10	.27	3	-.57	.33	.47	.42	1.12	90	.2662	.8242	1.10	15	@353
2	-.10	.27	4	-.83	.77	.73	.82	.90	10	.3904	.3753	+.	15	@353
2	-.10	.27	5	-.48	.38	.38	.46	.82	71	.4159	.7396	.28	15	@353

2	-.10	.27	6	.86	1.08	-.96	1.11	-.86	9	.4119	.1187	-.	15	@353
2	-.10	.27	7	-.19	.11	.09	.29	.31	131	.7585	.1522	.24	15	@353
3	-.57	.33	1	-.71	.41	.14	.52	.26	58	.7936	.3061	+.	15	@353
3	-.57	.33	2	-.10	.27	-.47	.42	-1.12	90	.2662	.8242	-1.10	15	@353
3	-.57	.33	4	-.83	.77	.26	.84	.31	11	.7628	.6949	-.	15	@353
3	-.57	.33	5	-.48	.38	-.10	.50	-.19	65	.8491	.6789	-.	15	@353
3	-.57	.33	6	.86	1.08	-1.43	1.13	-1.27	10	.2342	.5487	-.41	15	@353
3	-.57	.33	7	-.19	.11	-.38	.35	-1.10	67	.2741	.5403	-.83	15	@353
4	-.83	.77	1	-.71	.41	-.12	.87	-.14	13	.8905	1.000	.000	15	@353
4	-.83	.77	2	-.10	.27	-.73	.82	-.90	10	.3904	.3753	-.	15	@353
4	-.83	.77	3	-.57	.33	-.26	.84	-.31	11	.7628	.6949	+.	15	@353
4	-.83	.77	5	-.48	.38	-.36	.86	-.41	12	.6864	.8084	-.	15	@353
4	-.83	.77	6	.86	1.08	-1.69	1.33	-1.27	11	.2294	.4795	-.	15	@353
4	-.83	.77	7	-.19	.11	-.64	.78	-.83	7	.4364	.6987	-.	15	@353
5	-.48	.38	1	-.71	.41	.23	.55	.42	55	.6756	.7995	.69	15	@353
5	-.48	.38	2	-.10	.27	-.38	.46	-.82	71	.4159	.7396	-.28	15	@353
5	-.48	.38	3	-.57	.33	.10	.50	.19	65	.8491	.6789	+.	15	@353
5	-.48	.38	4	-.83	.77	.36	.86	.41	12	.6864	.8084	+.	15	@353
5	-.48	.38	6	.86	1.08	-1.34	1.15	-1.17	10	.2707	.0707	-.	15	@353
5	-.48	.38	7	-.19	.11	-.29	.39	-.73	50	.4674	.9477	.08	15	@353
6	.86	1.08	1	-.71	.41	1.57	1.15	1.36	10	.2042	1.000	.000	15	@353
6	.86	1.08	2	-.10	.27	.96	1.11	.86	9	.4119	.1187	+.	15	@353
6	.86	1.08	3	-.57	.33	1.43	1.13	1.27	10	.2342	.5487	.41	15	@353
6	.86	1.08	4	-.83	.77	1.69	1.33	1.27	11	.2294	.4795	+.	15	@353
6	.86	1.08	5	-.48	.38	1.34	1.15	1.17	10	.2707	.0707	+.	15	@353
6	.86	1.08	7	-.19	.11	1.05	1.09	.96	7	.3678	.2583	-.69	15	@353
7	-.19	.11	1	-.71	.41	.52	.42	1.24	42	.2221	.3515	.79	15	@353
7	-.19	.11	2	-.10	.27	-.09	.29	-.31	131	.7585	.1522	-.24	15	@353
7	-.19	.11	3	-.57	.33	.38	.35	1.10	67	.2741	.5403	.83	15	@353
7	-.19	.11	4	-.83	.77	.64	.78	.83	7	.4364	.6987	+.	15	@353
7	-.19	.11	5	-.48	.38	.29	.39	.73	50	.4674	.9477	-.08	15	@353
7	-.19	.11	6	.86	1.08	-1.05	1.09	-.96	7	.3678	.2583	.69	15	@353
1	.68	.45	2	.27	.28	.40	.53	.76	59	.4531	.8431	-.	16	@356
1	.68	.45	3	.97	.43	-.30	.62	-.48	60	.6344	.1022	-.	16	@356
1	.68	.45	4	-.24	.77	.92	.90	1.03	14	.3224	.8084	+.	16	@356
1	.68	.45	5	.29	.41	.39	.61	.63	55	.5289	.8595	-.	16	@356
1	.68	.45	6	1.93<	1.58	-1.26	1.64	-.77	9	.4629	.1573	-.	16	@356
1	.68	.45	7	1.09	.13	-.41	.47	-.87	43	.3913	.0566	-1.01	16	@356
2	.27	.28	1	.68	.45	-.40	.53	-.76	59	.4531	.8431	+.	16	@356
2	.27	.28	3	.97	.43	-.70	.51	-1.37	84	.1729	.3654	1.61	16	@356
2	.27	.28	4	-.24	.77	.52	.82	.63	11	.5433	.6540	+.	16	@356
2	.27	.28	5	.29	.41	-.02	.50	-.03	70	.9761	.5320	.57	16	@356
2	.27	.28	6	1.93<	1.58	-1.66	1.60	-1.04	8	.3299	.0581	-.	16	@356
2	.27	.28	7	1.09	.13	-.81	.31	-2.61	139	.0100	.2784	-.54	16	@356
3	.97	.43	1	.68	.45	.30	.62	.48	60	.6344	.1022	+.	16	@356
3	.97	.43	2	.27	.28	.70	.51	1.37	84	.1729	.3654	-1.61	16	@356
3	.97	.43	4	-.24	.77	1.22	.88	1.38	13	.1910	.2419	+.	16	@356
3	.97	.43	5	.29	.41	.69	.59	1.16	67	.2507	.5058	-1.10	16	@356
3	.97	.43	6	1.93<	1.58	-.96	1.63	-.59	9	.5708	.0550	-.	16	@356
3	.97	.43	7	1.09	.13	-.11	.45	-.25	64	.8013	.7587	-.80	16	@356
4	-.24	.77	1	.68	.45	-.92	.90	-1.03	14	.3224	.8084	-.	16	@356
4	-.24	.77	2	.27	.28	-.52	.82	-.63	11	.5433	.6540	-.	16	@356
4	-.24	.77	3	.97	.43	-1.22	.88	-1.38	13	.1910	.2419	-.	16	@356
4	-.24	.77	5	.29	.41	-.53	.88	-.61	13	.5548	.6949	-.	16	@356
4	-.24	.77	6	1.93<	1.58	-2.18	1.76	-1.24	10	.2433	.1573	-.	16	@356
4	-.24	.77	7	1.09	.13	-1.33	.78	-1.70	8	.1284	.2249	-.	16	@356
5	.29	.41	1	.68	.45	-.39	.61	-.63	55	.5289	.8595	+.	16	@356
5	.29	.41	2	.27	.28	.02	.50	.03	70	.9761	.5320	-.57	16	@356
5	.29	.41	3	.97	.43	-.69	.59	-1.16	67	.2507	.5058	1.10	16	@356
5	.29	.41	4	-.24	.77	.53	.88	.61	13	.5548	.6949	+.	16	@356
5	.29	.41	6	1.93<	1.58	-1.65	1.63	-1.01	9	.3387	.1213	-.	16	@356
5	.29	.41	7	1.09	.13	-.80	.43	-1.84	52	.0709	.2668	-.58	16	@356
6	1.93<	1.58	1	.68	.45	1.26	1.64	.77	9	.4629	.1573	+.	16	@356
6	1.93<	1.58	2	.27	.28	1.66	1.60	1.04	8	.3299	.0581	+.	16	@356
6	1.93<	1.58	3	.97	.43	.96	1.63	.59	9	.5708	.0550	+.	16	@356
6	1.93<	1.58	4	-.24	.77	2.18	1.76	1.24	10	.2433	.1573	+.	16	@356
6	1.93<	1.58	5	.29	.41	1.65	1.63	1.01	9	.3387	.1213	+.	16	@356
6	1.93<	1.58	7	1.09	.13	.85	1.58	.54	7	.6085	.2153	+.	16	@356
7	1.09	.13	1	.68	.45	.41	.47	.87	43	.3913	.0566	1.01	16	@356
7	1.09	.13	2	.27	.28	.81	.31	2.61	139	.0100	.2784	.54	16	@356
7	1.09	.13	3	.97	.43	.11	.45	.25	64	.8013	.7587	.80	16	@356
7	1.09	.13	4	-.24	.77	1.33	.78	1.70	8	.1284	.2249	+.	16	@356
7	1.09	.13	5	.29	.41	.80	.43	1.84	52	.0709	.2668	.58	16	@356
7	1.09	.13	6	1.93<	1.58	-.85	1.58	-.54	7	.6085	.2153	-.	16	@356
1	-1.23	.43	2	-1.56	.27	.34	.50	.67	59	.5081	.4270	-.25	17	@357
1	-1.23	.43	3	-1.01	.33	-.21	.54	-.39	58	.6959	.2463	1.10	17	@357

1	-1.23	.43	4	-1.48	.85	.25	.95	.27	12	.7955	.2253	+.	17	@357
1	-1.23	.43	5	-1.19	.38	-.03	.57	-.06	55	.9543	.8852	-.69	17	@357
1	-1.23	.43	6	-1.28	.78	.05	.89	.06	13	.9543	.1025	+.	17	@357
1	-1.23	.43	7	-1.79	.14	.56	.45	1.26	45	.2152	.2679	.22	17	@357
2	-1.56	.27	1	-1.23	.43	-.34	.50	-.67	59	.5081	.4270	.25	17	@357
2	-1.56	.27	3	-1.01	.33	-.55	.43	-1.28	90	.2048	.1299	.41	17	@357
2	-1.56	.27	4	-1.48	.85	-.08	.89	-.10	10	.9260	.5541	-.	17	@357
2	-1.56	.27	5	-1.19	.38	-.37	.47	-.79	71	.4348	.2789	-.57	17	@357
2	-1.56	.27	6	-1.28	.78	-.28	.82	-.35	10	.7372	.2152	-1.10	17	@357
2	-1.56	.27	7	-1.79	.14	.23	.30	.75	147	.4520	.4710	.20	17	@357
3	-1.01	.33	1	-1.23	.43	.21	.54	.39	58	.6959	.2463	-1.10	17	@357
3	-1.01	.33	2	-1.56	.27	.55	.43	1.28	90	.2048	.1299	-.41	17	@357
3	-1.01	.33	4	-1.48	.85	.46	.91	.51	11	.6200	.7074	+.	17	@357
3	-1.01	.33	5	-1.19	.38	.18	.51	.35	65	.7254	.4751	.16	17	@357
3	-1.01	.33	6	-1.28	.78	.26	.85	.31	11	.7602	.7176	-.	17	@357
3	-1.01	.33	7	-1.79	.14	.78	.36	2.14	75	.0357	.1176	.67	17	@357
4	-1.48	.85	1	-1.23	.43	-.25	.95	-.27	12	.7955	.2253	-.	17	@357
4	-1.48	.85	2	-1.56	.27	.08	.89	.10	10	.9260	.5541	+.	17	@357
4	-1.48	.85	3	-1.01	.33	-.46	.91	-.51	11	.6200	.7074	-.	17	@357
4	-1.48	.85	5	-1.19	.38	-.28	.93	-.31	12	.7650	.7055	+.	17	@357
4	-1.48	.85	6	-1.28	.78	-.20	1.15	-.17	11	.8654	.3173	-.	17	@357
4	-1.48	.85	7	-1.79	.14	.31	.86	.37	8	.7241	.8863	+.	17	@357
5	-1.19	.38	1	-1.23	.43	.03	.57	.06	55	.9543	.8852	.69	17	@357
5	-1.19	.38	2	-1.56	.27	.37	.47	.79	71	.4348	.2789	.57	17	@357
5	-1.19	.38	3	-1.01	.33	-.18	.51	-.35	65	.7254	.4751	-.16	17	@357
5	-1.19	.38	4	-1.48	.85	.28	.93	.31	12	.7650	.7055	-.	17	@357
5	-1.19	.38	6	-1.28	.78	.08	.87	.10	12	.9237	.4477	-.69	17	@357
5	-1.19	.38	7	-1.79	.14	.60	.41	1.46	55	.1504	.4463	.29	17	@357
6	-1.28	.78	1	-1.23	.43	-.05	.89	-.06	13	.9543	.1025	-.	17	@357
6	-1.28	.78	2	-1.56	.27	.28	.82	.35	10	.7372	.2152	1.10	17	@357
6	-1.28	.78	3	-1.01	.33	-.26	.85	-.31	11	.7602	.7176	+.	17	@357
6	-1.28	.78	4	-1.48	.85	.20	1.15	.17	11	.8654	.3173	+.	17	@357
6	-1.28	.78	5	-1.19	.38	-.08	.87	-.10	12	.9237	.4477	.69	17	@357
6	-1.28	.78	7	-1.79	.14	.51	.79	.65	8	.5345	.8288	-1.39	17	@357
7	-1.79	.14	1	-1.23	.43	-.56	.45	-1.26	45	.2152	.2679	-.22	17	@357
7	-1.79	.14	2	-1.56	.27	-.23	.30	-.75	147	.4520	.4710	-.20	17	@357
7	-1.79	.14	3	-1.01	.33	-.78	.36	-2.14	75	.0357	.1176	-.67	17	@357
7	-1.79	.14	4	-1.48	.85	-.31	.86	-.37	8	.7241	.8863	-.	17	@357
7	-1.79	.14	5	-1.19	.38	-.60	.41	-1.46	55	.1504	.4463	-.29	17	@357
7	-1.79	.14	6	-1.28	.78	-.51	.79	-.65	8	.5345	.8288	1.39	17	@357
1	-.88	.41	2	-.50	.26	-.37	.48	-.77	59	.4425	.8853	-.	18	@358
1	-.88	.41	3	-.57	.33	-.30	.53	-.58	58	.5661	.2198	.00	18	@358
1	-.88	.41	4	-.24	.77	-.63	.87	-.72	13	.4821	.4795	-.	18	@358
1	-.88	.41	5	-.33	.38	-.54	.56	-.97	55	.3358	.4351	-.41	18	@358
1	-.88	.41	6	-.03	.85	-.84	.94	-.90	12	.3881	.4142	-.	18	@358
1	-.88	.41	7	-1.00	.12	.12	.43	.28	43	.7777	.6407	1.03	18	@358
2	-.50	.26	1	-.88	.41	.37	.48	.77	59	.4425	.8853	+.	18	@358
2	-.50	.26	3	-.57	.33	.07	.42	.17	89	.8676	.3629	-.	18	@358
2	-.50	.26	4	-.24	.77	-.26	.81	-.32	10	.7563	.7622	.00	18	@358
2	-.50	.26	5	-.33	.38	-.17	.46	-.37	69	.7120	.3924	-.	18	@358
2	-.50	.26	6	-.03	.85	-.47	.89	-.53	10	.6072	.8259	-.	18	@358
2	-.50	.26	7	-1.00	.12	.49	.28	1.76	138	.0813	.7893	-.17	18	@358
3	-.57	.33	1	-.88	.41	.30	.53	.58	58	.5661	.2198	.00	18	@358
3	-.57	.33	2	-.50	.26	-.07	.42	-.17	89	.8676	.3629	+.	18	@358
3	-.57	.33	4	-.24	.77	-.33	.84	-.39	11	.7026	.4855	-.	18	@358
3	-.57	.33	5	-.33	.38	-.24	.50	-.48	65	.6359	.6605	-1.10	18	@358
3	-.57	.33	6	-.03	.85	-.54	.91	-.59	11	.5650	.5001	-.41	18	@358
3	-.57	.33	7	-1.00	.12	.43	.35	1.21	69	.2299	.5390	.23	18	@358
4	-.24	.77	1	-.88	.41	.63	.87	.72	13	.4821	.4795	+.	18	@358
4	-.24	.77	2	-.50	.26	.26	.81	.32	10	.7563	.7622	.00	18	@358
4	-.24	.77	3	-.57	.33	.33	.84	.39	11	.7026	.4855	+.	18	@358
4	-.24	.77	5	-.33	.38	.09	.86	.10	12	.9189	.4245	+.	18	@358
4	-.24	.77	6	-.03	.85	-.21	1.15	-.18	11	.8578	.2253	+.	18	@358
4	-.24	.77	7	-1.00	.12	.75	.78	.96	7	.3668	.7082	.81	18	@358
5	-.33	.38	1	-.88	.41	.54	.56	.97	55	.3358	.4351	.41	18	@358
5	-.33	.38	2	-.50	.26	.17	.46	.37	69	.7120	.3924	+.	18	@358
5	-.33	.38	3	-.57	.33	.24	.50	.48	65	.6359	.6605	1.10	18	@358
5	-.33	.38	4	-.24	.77	-.09	.86	-.10	12	.9189	.4245	-.	18	@358
5	-.33	.38	6	-.03	.85	-.30	.93	-.32	12	.7525	.7389	.69	18	@358
5	-.33	.38	7	-1.00	.12	.66	.40	1.67	51	.1020	.4355	1.17	18	@358
6	-.03	.85	1	-.88	.41	.84	.94	.90	12	.3881	.4142	+.	18	@358
6	-.03	.85	2	-.50	.26	.47	.89	.53	10	.6072	.8259	+.	18	@358
6	-.03	.85	3	-.57	.33	.54	.91	.59	11	.5650	.5001	.41	18	@358
6	-.03	.85	4	-.24	.77	.21	1.15	.18	11	.8578	.2253	-.	18	@358
6	-.03	.85	5	-.33	.38	.30	.93	.32	12	.7525	.7389	-.69	18	@358
6	-.03	.85	7	-1.00	.12	.97	.86	1.13	7	.2970	.6755	.22	18	@358

7	-1.00	.12	1	-.88	.41	-.12	.43	-.28	43	.7777	.6407	-1.03	18	@358
7	-1.00	.12	2	-.50	.26	-.49	.28	-1.76	138	.0813	.7893	.17	18	@358
7	-1.00	.12	3	-.57	.33	-.43	.35	-1.21	69	.2299	.5390	-.23	18	@358
7	-1.00	.12	4	-.24	.77	-.75	.78	-.96	7	.3668	.7082	-.81	18	@358
7	-1.00	.12	5	-.33	.38	-.66	.40	-1.67	51	.1020	.4355	-1.17	18	@358
7	-1.00	.12	6	-.03	.85	-.97	.86	-1.13	7	.2970	.6755	-.22	18	@358
1	.11	.42	2	.90	.33	-.79	.53	-1.49	67	.1412	.3941	.00	19	@359
1	.11	.42	3	.11	.35	.01	.54	.02	59	.9879	.2066	-1.10	19	@359
1	.11	.42	4	.40	.84	-.28	.94	-.30	12	.7685	.5485	-.	19	@359
1	.11	.42	5	.46	.43	-.35	.60	-.58	55	.5619	.4065	-.	19	@359
1	.11	.42	6	.86	1.09	-.75	1.17	-.64	11	.5353	.1336	-.	19	@359
1	.11	.42	7	1.12	.13	-1.01	.44	-2.30	45	.0259	.0512	-.85	19	@359
2	.90	.33	1	.11	.42	.79	.53	1.49	67	.1412	.3941	.00	19	@359
2	.90	.33	3	.11	.35	.80	.48	1.66	95	.0995	.0256	1.10	19	@359
2	.90	.33	4	.40	.84	.51	.91	.56	11	.5879	.3636	+.	19	@359
2	.90	.33	5	.46	.43	.44	.54	.82	74	.4147	.4739	.69	19	@359
2	.90	.33	6	.86	1.09	.04	1.14	.04	10	.9704	.9312	-.	19	@359
2	.90	.33	7	1.12	.13	-.22	.36	-.61	128	.5430	.3708	-.19	19	@359
3	.11	.35	1	.11	.42	-.01	.54	-.02	59	.9879	.2066	1.10	19	@359
3	.11	.35	2	.90	.33	-.80	.48	-1.66	95	.0995	.0256	-1.10	19	@359
3	.11	.35	4	.40	.84	-.29	.91	-.32	11	.7555	.1167	-.	19	@359
3	.11	.35	5	.46	.43	-.36	.55	-.65	64	.5208	.4931	-.16	19	@359
3	.11	.35	6	.86	1.09	-.75	1.14	-.66	10	.5244	.3414	-.	19	@359
3	.11	.35	7	1.12	.13	-1.01	.37	-2.71	71	.0083	.0805	-1.20	19	@359
4	.40	.84	1	.11	.42	.28	.94	.30	12	.7685	.5485	+.	19	@359
4	.40	.84	2	.90	.33	-.51	.91	-.56	11	.5879	.3636	-.	19	@359
4	.40	.84	3	.11	.35	.29	.91	.32	11	.7555	.1167	+.	19	@359
4	.40	.84	5	.46	.43	-.06	.95	-.07	12	.9471	.4726	-.	19	@359
4	.40	.84	6	.86	1.09	-.46	1.38	-.34	11	.7434			19	@359
4	.40	.84	7	1.12	.13	-.72	.86	-.85	8	.4226	.3475	-2.48	19	@359
5	.46	.43	1	.11	.42	.35	.60	.58	55	.5619	.4065	+.	19	@359
5	.46	.43	2	.90	.33	-.44	.54	-.82	74	.4147	.4739	-.69	19	@359
5	.46	.43	3	.11	.35	.36	.55	.65	64	.5208	.4931	.16	19	@359
5	.46	.43	4	.40	.84	.06	.95	.07	12	.9471	.4726	+.	19	@359
5	.46	.43	6	.86	1.09	-.40	1.17	-.34	11	.7397	.1213	-.	19	@359
5	.46	.43	7	1.12	.13	-.66	.45	-1.47	51	.1469	.5371	-1.13	19	@359
6	.86	1.09	1	.11	.42	.75	1.17	.64	11	.5353	.1336	+.	19	@359
6	.86	1.09	2	.90	.33	-.04	1.14	-.04	10	.9704	.9312	+.	19	@359
6	.86	1.09	3	.11	.35	.75	1.14	.66	10	.5244	.3414	+.	19	@359
6	.86	1.09	4	.40	.84	.46	1.38	.34	11	.7434			19	@359
6	.86	1.09	5	.46	.43	.40	1.17	.34	11	.7397	.1213	+.	19	@359
6	.86	1.09	7	1.12	.13	-.26	1.10	-.24	7	.8194	.6038	+.	19	@359
7	1.12	.13	1	.11	.42	1.01	.44	2.30	45	.0259	.0512	.85	19	@359
7	1.12	.13	2	.90	.33	.22	.36	.61	128	.5430	.3708	.19	19	@359
7	1.12	.13	3	.11	.35	1.01	.37	2.71	71	.0083	.0805	1.20	19	@359
7	1.12	.13	4	.40	.84	.72	.86	.85	8	.4226	.3475	2.48	19	@359
7	1.12	.13	5	.46	.43	.66	.45	1.47	51	.1469	.5371	1.13	19	@359
7	1.12	.13	6	.86	1.09	.26	1.10	.24	7	.8194	.6038	-.	19	@359
1	-.22	.41	2	.19	.28	-.41	.49	-.84	62	.4020	.9314	+.	20	@360
1	-.22	.41	3	.11	.35	-.33	.53	-.61	59	.5426	.5524	-.	20	@360
1	-.22	.41	4	.40	.84	-.62	.94	-.66	12	.5211	.0896	-.	20	@360
1	-.22	.41	5	-.19	.39	-.03	.56	-.06	55	.9515	.5045	+.	20	@360
1	-.22	.41	6	-1.28	.78	1.06	.88	1.21	13	.2495	.6831	-.	20	@360
1	-.22	.41	7	-.38	.11	.16	.42	.38	42	.7049	.9352	-.46	20	@360
2	.19	.28	1	-.22	.41	.41	.49	.84	62	.4020	.9314	-.	20	@360
2	.19	.28	3	.11	.35	.09	.45	.20	90	.8458	.9291	.92	20	@360
2	.19	.28	4	.40	.84	-.20	.89	-.23	10	.8225	.8027	+.	20	@360
2	.19	.28	5	-.19	.39	.38	.48	.80	72	.4261	.5892	.53	20	@360
2	.19	.28	6	-1.28	.78	1.47	.82	1.78	10	.1049	.0015	+.	20	@360
2	.19	.28	7	-.38	.11	.58	.30	1.92	128	.0574	.3897	.57	20	@360
3	.11	.35	1	-.22	.41	.33	.53	.61	59	.5426	.5524	+.	20	@360
3	.11	.35	2	.19	.28	-.09	.45	-.20	90	.8458	.9291	-.92	20	@360
3	.11	.35	4	.40	.84	-.29	.91	-.32	11	.7556	.9666	-.	20	@360
3	.11	.35	5	-.19	.39	.29	.52	.56	66	.5747	.9393	-.16	20	@360
3	.11	.35	6	-1.28	.78	1.38	.85	1.62	12	.1301	.8655	-.	20	@360
3	.11	.35	7	-.38	.11	.49	.37	1.33	65	.1882	.5256	-.32	20	@360
4	.40	.84	1	-.22	.41	.62	.94	.66	12	.5211	.0896	+.	20	@360
4	.40	.84	2	.19	.28	.20	.89	.23	10	.8225	.8027	-.	20	@360
4	.40	.84	3	.11	.35	.29	.91	.32	11	.7556	.9666	+.	20	@360
4	.40	.84	5	-.19	.39	.59	.93	.63	12	.5404	.6080	+.	20	@360
4	.40	.84	6	-1.28	.78	1.68	1.15	1.46	11	.1722	.3173	+.	20	@360
4	.40	.84	7	-.38	.11	.78	.85	.91	7	.3906	.7613	+.	20	@360
5	-.19	.39	1	-.22	.41	.03	.56	.06	55	.9515	.5045	-.	20	@360
5	-.19	.39	2	.19	.28	-.38	.48	-.80	72	.4261	.5892	-.53	20	@360
5	-.19	.39	3	.11	.35	-.29	.52	-.56	66	.5747	.9393	.16	20	@360
5	-.19	.39	4	.40	.84	-.59	.93	-.63	12	.5404	.6080	-.	20	@360

5	-.19	.39	6	-1.28	.78	1.09	.87	1.26	12	.2326	.4126	+.	20	@360
5	-.19	.39	7	-.38	.11	.19	.40	.48	49	.6304	.5603	.08	20	@360
6	-1.28	.78	1	-.22	.41	-1.06	.88	-1.21	13	.2495	.6831	+.	20	@360
6	-1.28	.78	2	.19	.28	-1.47	.82	-1.78	10	.1049	.0015	-.	20	@360
6	-1.28	.78	3	.11	.35	-1.38	.85	-1.62	12	.1301	.8655	+.	20	@360
6	-1.28	.78	4	.40	.84	-1.68	1.15	-1.46	11	.1722	.3173	-.	20	@360
6	-1.28	.78	5	-.19	.39	-1.09	.87	-1.26	12	.2326	.4126	-.	20	@360
6	-1.28	.78	7	-.38	.11	-.90	.79	-1.14	7	.2914	.0984	-1.39	20	@360
7	-.38	.11	1	-.22	.41	-.16	.42	-.38	42	.7049	.9352	.46	20	@360
7	-.38	.11	2	.19	.28	-.58	.30	-1.92	128	.0574	.3897	-.57	20	@360
7	-.38	.11	3	.11	.35	-.49	.37	-1.33	65	.1882	.5256	.32	20	@360
7	-.38	.11	4	.40	.84	-.78	.85	-.91	7	.3906	.7613	-.	20	@360
7	-.38	.11	5	-.19	.39	-.19	.40	-.48	49	.6304	.5603	-.08	20	@360
7	-.38	.11	6	-1.28	.78	.90	.79	1.14	7	.2914	.0984	1.39	20	@360
1	-.22	.41	2	-1.02	.25	.80	.48	1.67	59	.1008	.2140	1.15	21	@362
1	-.22	.41	3	-1.01	.33	.79	.53	1.51	59	.1375	.4347	-1.10	21	@362
1	-.22	.41	4	-.24	.77	.02	.87	.03	13	.9793	.4795	+.	21	@362
1	-.22	.41	5	-.47	.38	.25	.55	.45	55	.6543	.6156	-.	21	@362
1	-.22	.41	6	-1.28	.78	1.06	.88	1.21	13	.2495	.4142	-.	21	@362
1	-.22	.41	7	-.30	.11	.08	.42	.20	42	.8441	.4185	.79	21	@362
2	-1.02	.25	1	-.22	.41	-.80	.48	-1.67	59	.1008	.2140	-1.15	21	@362
2	-1.02	.25	3	-1.01	.33	-.01	.42	-.02	88	.9877	.9928	-.57	21	@362
2	-1.02	.25	4	-.24	.77	-.78	.81	-.95	10	.3633	.3035	-.	21	@362
2	-1.02	.25	5	-.47	.38	-.55	.46	-1.20	69	.2327	.4098	.41	21	@362
2	-1.02	.25	6	-1.28	.78	.26	.82	.32	10	.7587	.2123	1.10	21	@362
2	-1.02	.25	7	-.30	.11	-.71	.28	-2.56	134	.0114	.1707	-.35	21	@362
3	-1.01	.33	1	-.22	.41	-.79	.53	-1.51	59	.1375	.4347	1.10	21	@362
3	-1.01	.33	2	-1.02	.25	.01	.42	.02	88	.9877	.9928	.57	21	@362
3	-1.01	.33	4	-.24	.77	-.77	.84	-.91	11	.3811	.6949	+.	21	@362
3	-1.01	.33	5	-.47	.38	-.54	.50	-1.07	65	.2870	.1913	-1.10	21	@362
3	-1.01	.33	6	-1.28	.78	.26	.85	.31	11	.7602	.6190	+.	21	@362
3	-1.01	.33	7	-.30	.11	-.71	.35	-2.00	67	.0492	.3123	-.12	21	@362
4	-.24	.77	1	-.22	.41	-.02	.87	-.03	13	.9793	.4795	-.	21	@362
4	-.24	.77	2	-1.02	.25	.78	.81	.95	10	.3633	.3035	+.	21	@362
4	-.24	.77	3	-1.01	.33	.77	.84	.91	11	.3811	.6949	-.	21	@362
4	-.24	.77	5	-.47	.38	.23	.86	.26	12	.7969	.3173	+.	21	@362
4	-.24	.77	6	-1.28	.78	1.03	1.10	.94	11	.3660	.1573	-.	21	@362
4	-.24	.77	7	-.30	.11	.06	.78	.08	7	.9407	.6403	+.	21	@362
5	-.47	.38	1	-.22	.41	-.25	.55	-.45	55	.6543	.6156	+.	21	@362
5	-.47	.38	2	-1.02	.25	.55	.46	1.20	69	.2327	.4098	-.41	21	@362
5	-.47	.38	3	-1.01	.33	.54	.50	1.07	65	.2870	.1913	1.10	21	@362
5	-.47	.38	4	-.24	.77	-.23	.86	-.26	12	.7969	.3173	-.	21	@362
5	-.47	.38	6	-1.28	.78	.81	.86	.93	12	.3688	.7963	.69	21	@362
5	-.47	.38	7	-.30	.11	-.17	.39	-.42	50	.6753	.8184	.04	21	@362
6	-1.28	.78	1	-.22	.41	-1.06	.88	-1.21	13	.2495	.4142	+.	21	@362
6	-1.28	.78	2	-1.02	.25	-.26	.82	-.32	10	.7587	.2123	-1.10	21	@362
6	-1.28	.78	3	-1.01	.33	-.26	.85	-.31	11	.7602	.6190	-.	21	@362
6	-1.28	.78	4	-.24	.77	-1.03	1.10	-.94	11	.3660	.1573	+.	21	@362
6	-1.28	.78	5	-.47	.38	-.81	.86	-.93	12	.3688	.7963	-.69	21	@362
6	-1.28	.78	7	-.30	.11	-.97	.79	-1.24	7	.2552	.7547	-1.39	21	@362
7	-.30	.11	1	-.22	.41	-.08	.42	-.20	42	.8441	.4185	-.79	21	@362
7	-.30	.11	2	-1.02	.25	.71	.28	2.56	134	.0114	.1707	.35	21	@362
7	-.30	.11	3	-1.01	.33	.71	.35	2.00	67	.0492	.3123	.12	21	@362
7	-.30	.11	4	-.24	.77	-.06	.78	-.08	7	.9407	.6403	-.	21	@362
7	-.30	.11	5	-.47	.38	.17	.39	.42	50	.6753	.8184	-.04	21	@362
7	-.30	.11	6	-1.28	.78	.97	.79	1.24	7	.2552	.7547	1.39	21	@362
1	1.41	.55	2	.71	.31	.71	.63	1.12	56	.2682	.3533	+.	22	@364
1	1.41	.55	3	.36	.36	1.05	.66	1.59	55	.1164	.0374	+.	22	@364
1	1.41	.55	4	.40	.84	1.02	1.01	1.01	14	.3308	.1336	+.	22	@364
1	1.41	.55	5	.29	.41	1.13	.69	1.64	53	.1071	.1381	+.	22	@364
1	1.41	.55	6	.86	1.08	.56	1.22	.46	12	.6558	.4795	+.	22	@364
1	1.41	.55	7	.03	.11	1.38	.56	2.46	37	.0187	.0080	1.00	22	@364
2	.71	.31	1	1.41	.55	-.71	.63	-1.12	56	.2682	.3533	-.	22	@364
2	.71	.31	3	.36	.36	.35	.48	.72	92	.4720	.7987	-.86	22	@364
2	.71	.31	4	.40	.84	.31	.90	.34	11	.7381	.5440	+.	22	@364
2	.71	.31	5	.29	.41	.42	.52	.81	73	.4183	.8123	-.59	22	@364
2	.71	.31	6	.86	1.08	-.15	1.13	-.13	9	.8959	.7456	+.	22	@364
2	.71	.31	7	.03	.11	.68	.33	2.04	121	.0434	.2585	-.69	22	@364
3	.36	.36	1	1.41	.55	-1.05	.66	-1.59	55	.1164	.0374	-.	22	@364
3	.36	.36	2	.71	.31	-.35	.48	-.72	92	.4720	.7987	.86	22	@364
3	.36	.36	4	.40	.84	-.04	.92	-.04	11	.9682	.9823	-.	22	@364
3	.36	.36	5	.29	.41	.07	.55	.13	65	.8935	.8401	1.10	22	@364
3	.36	.36	6	.86	1.08	-.50	1.14	-.44	10	.6724	.4624	1.39	22	@364
3	.36	.36	7	.03	.11	.33	.38	.86	64	.3914	.7454	-.36	22	@364
4	.40	.84	1	1.41	.55	-1.02	1.01	-1.01	14	.3308	.1336	-.	22	@364
4	.40	.84	2	.71	.31	-.31	.90	-.34	11	.7381	.5440	-.	22	@364

4	.40	.84	3	.36	.36	.04	.92	.04	11	.9682	.9823	+.	22	@364
4	.40	.84	5	.29	.41	.11	.94	.12	12	.9075	.4795	-.	22	@364
4	.40	.84	6	.86	1.08	-.46	1.37	-.34	11	.7439	.4795	+.	22	@364
4	.40	.84	7	.03	.11	.37	.85	.43	7	.6794	.7732	.47	22	@364
5	.29	.41	1	1.41	.55	-1.13	.69	-1.64	53	.1071	.1381	-.	22	@364
5	.29	.41	2	.71	.31	-.42	.52	-.81	73	.4183	.8123	.59	22	@364
5	.29	.41	3	.36	.36	-.07	.55	-.13	65	.8935	.8401	-1.10	22	@364
5	.29	.41	4	.40	.84	-.11	.94	-.12	12	.9075	.4795	+.	22	@364
5	.29	.41	6	.86	1.08	-.57	1.16	-.49	11	.6315	.2207	+.	22	@364
5	.29	.41	7	.03	.11	.26	.43	.60	48	.5524	.5545	-.08	22	@364
6	.86	1.08	1	1.41	.55	-.56	1.22	-.46	12	.6558	.4795	-.	22	@364
6	.86	1.08	2	.71	.31	.15	1.13	.13	9	.8959	.7456	-.	22	@364
6	.86	1.08	3	.36	.36	.50	1.14	.44	10	.6724	.4624	-1.39	22	@364
6	.86	1.08	4	.40	.84	.46	1.37	.34	11	.7439	.4795	-.	22	@364
6	.86	1.08	5	.29	.41	.57	1.16	.49	11	.6315	.2207	-.	22	@364
6	.86	1.08	7	.03	.11	.83	1.09	.76	7	.4722	.6629	-.96	22	@364
7	.03	.11	1	1.41	.55	-1.38	.56	-2.46	37	.0187	.0080	-1.00	22	@364
7	.03	.11	2	.71	.31	-.68	.33	-2.04	121	.0434	.2585	.69	22	@364
7	.03	.11	3	.36	.36	-.33	.38	-.86	64	.3914	.7454	.36	22	@364
7	.03	.11	4	.40	.84	-.37	.85	-.43	7	.6794	.7732	-.47	22	@364
7	.03	.11	5	.29	.41	-.26	.43	-.60	48	.5524	.5545	.08	22	@364
7	.03	.11	6	.86	1.08	-.83	1.09	-.76	7	.4722	.6629	.96	22	@364
1	.29	.42	2	-.04	.27	.33	.50	.65	59	.5163	.6166	-.69	23	@366
1	.29	.42	3	.50	.38	-.21	.57	-.36	60	.7172	.1833	-.69	23	@366
1	.29	.42	4	.40	.84	-.11	.95	-.11	12	.9118	.0719	-.	23	@366
1	.29	.42	5	.12	.40	.17	.58	.29	55	.7725	.4930	-.69	23	@366
1	.29	.42	6	.86	1.08	-.57	1.16	-.49	11	.6354	.4795	-.	23	@366
1	.29	.42	7	-.15	.11	.44	.44	1.00	41	.3213	.4844	-.48	23	@366
2	-.04	.27	1	.29	.42	-.33	.50	-.65	59	.5163	.6166	.69	23	@366
2	-.04	.27	3	.50	.38	-.53	.46	-1.16	86	.2499	.8076	.63	23	@366
2	-.04	.27	4	.40	.84	-.43	.89	-.49	10	.6342	.9122	.00	23	@366
2	-.04	.27	5	.12	.40	-.16	.48	-.33	69	.7439	.5809	.00	23	@366
2	-.04	.27	6	.86	1.08	-.89	1.11	-.80	9	.4428	.2245	-.	23	@366
2	-.04	.27	7	-.15	.11	.11	.29	.39	131	.6966	.4275	-.07	23	@366
3	.50	.38	1	.29	.42	.21	.57	.36	60	.7172	.1833	.69	23	@366
3	.50	.38	2	-.04	.27	.53	.46	1.16	86	.2499	.8076	-.63	23	@366
3	.50	.38	4	.40	.84	.10	.92	.11	12	.9162	.2850	-.	23	@366
3	.50	.38	5	.12	.40	.38	.55	.68	66	.4960	.7986	1.07	23	@366
3	.50	.38	6	.86	1.08	-.36	1.15	-.31	10	.7595	.7509	1.39	23	@366
3	.50	.38	7	-.15	.11	.65	.39	1.65	63	.1036	.0255	.44	23	@366
4	.40	.84	1	.29	.42	.11	.95	.11	12	.9118	.0719	+.	23	@366
4	.40	.84	2	-.04	.27	.43	.89	.49	10	.6342	.9122	.00	23	@366
4	.40	.84	3	.50	.38	-.10	.92	-.11	12	.9162	.2850	+.	23	@366
4	.40	.84	5	.12	.40	.28	.94	.30	12	.7723	.6949	+.	23	@366
4	.40	.84	6	.86	1.08	-.46	1.37	-.33	11	.7440	.4795	+.	23	@366
4	.40	.84	7	-.15	.11	.55	.85	.64	7	.5404	.5365	.15	23	@366
5	.12	.40	1	.29	.42	-.17	.58	-.29	55	.7725	.4930	.69	23	@366
5	.12	.40	2	-.04	.27	.16	.48	.33	69	.7439	.5809	.00	23	@366
5	.12	.40	3	.50	.38	-.38	.55	-.68	66	.4960	.7986	-1.07	23	@366
5	.12	.40	4	.40	.84	-.28	.94	-.30	12	.7723	.6949	-.	23	@366
5	.12	.40	6	.86	1.08	-.74	1.15	-.64	10	.5376	.4386	-.69	23	@366
5	.12	.40	7	-.15	.11	.27	.42	.65	49	.5174	.1914	-.15	23	@366
6	.86	1.08	1	.29	.42	.57	1.16	.49	11	.6354	.4795	+.	23	@366
6	.86	1.08	2	-.04	.27	.89	1.11	.80	9	.4428	.2245	+.	23	@366
6	.86	1.08	3	.50	.38	.36	1.15	.31	10	.7595	.7509	-1.39	23	@366
6	.86	1.08	4	.40	.84	.46	1.37	.33	11	.7440	.4795	-.	23	@366
6	.86	1.08	5	.12	.40	.74	1.15	.64	10	.5376	.4386	.69	23	@366
6	.86	1.08	7	-.15	.11	1.01	1.09	.93	7	.3849	.0848	.00	23	@366
7	-.15	.11	1	.29	.42	-.44	.44	-1.00	41	.3213	.4844	.48	23	@366
7	-.15	.11	2	-.04	.27	-.11	.29	-.39	131	.6966	.4275	.07	23	@366
7	-.15	.11	3	.50	.38	-.65	.39	-1.65	63	.1036	.0255	-.44	23	@366
7	-.15	.11	4	.40	.84	-.55	.85	-.64	7	.5404	.5365	-.15	23	@366
7	-.15	.11	5	.12	.40	-.27	.42	-.65	49	.5174	.1914	.15	23	@366
7	-.15	.11	6	.86	1.08	-1.01	1.09	-.93	7	.3849	.0848	.00	23	@366
1	-.38	.40	2	.12	.27	-.50	.49	-1.03	62	.3073	.0103	-.	24	@367
1	-.38	.40	3	-.01	.34	-.37	.53	-.70	59	.4862	.2066	-.	24	@367
1	-.38	.40	4	.40	.84	-.78	.94	-.84	12	.4194	.0719	-.	24	@367
1	-.38	.40	5	.12	.40	-.51	.57	-.89	55	.3776	.4975	.69	24	@367
1	-.38	.40	6	.86	1.08	-1.24	1.16	-1.08	10	.3074	.1573	-.	24	@367
1	-.38	.40	7	.12	.11	-.51	.42	-1.21	42	.2337	.2160	-.87	24	@367
2	.12	.27	1	-.38	.40	.50	.49	1.03	62	.3073	.0103	+.	24	@367
2	.12	.27	3	-.01	.34	.13	.44	.30	90	.7666	.4420	.32	24	@367
2	.12	.27	4	.40	.84	-.28	.89	-.32	10	.7584	.6076	+.	24	@367
2	.12	.27	5	.12	.40	.00	.49	-.01	70	.9934	.8531	-.69	24	@367
2	.12	.27	6	.86	1.08	-.74	1.12	-.66	9	.5237	.4976	-.	24	@367
2	.12	.27	7	.12	.11	.00	.30	-.02	130	.9869	.7452	-.21	24	@367

3	-.01	.34	1	-.38	.40	.37	.53	.70	59	.4862	.2066	+.	24	@367
3	-.01	.34	2	.12	.27	-.13	.44	-.30	90	.7666	.4420	-.32	24	@367
3	-.01	.34	4	.40	.84	-.41	.91	-.45	11	.6606	.1390	-.	24	@367
3	-.01	.34	5	.12	.40	-.13	.53	-.26	65	.7993	.8802	-.29	24	@367
3	-.01	.34	6	.86	1.08	-.87	1.14	-.77	10	.4606	.1389	-.	24	@367
3	-.01	.34	7	.12	.11	-.14	.36	-.37	66	.7091	.5216	-.36	24	@367
4	.40	.84	1	-.38	.40	.78	.94	.84	12	.4194	.0719	+.	24	@367
4	.40	.84	2	.12	.27	.28	.89	.32	10	.7584	.6076	-.	24	@367
4	.40	.84	3	-.01	.34	.41	.91	.45	11	.6606	.1390	+.	24	@367
4	.40	.84	5	.12	.40	.28	.94	.30	12	.7723	.7532	+.	24	@367
4	.40	.84	6	.86	1.08	-.46	1.37	-.34	11	.7439	.3173	-.	24	@367
4	.40	.84	7	.12	.11	.28	.85	.32	7	.7557	.5127	.15	24	@367
5	.12	.40	1	-.38	.40	.51	.57	.89	55	.3776	.4975	-.69	24	@367
5	.12	.40	2	.12	.27	.00	.49	.01	70	.9934	.8531	.69	24	@367
5	.12	.40	3	-.01	.34	.13	.53	.26	65	.7993	.8802	.29	24	@367
5	.12	.40	4	.40	.84	-.28	.94	-.30	12	.7723	.7532	-.	24	@367
5	.12	.40	6	.86	1.08	-.74	1.15	-.64	10	.5377	.2482	-.	24	@367
5	.12	.40	7	.12	.11	.00	.42	.00	49	.9984	.6464	-1.00	24	@367
6	.86	1.08	1	-.38	.40	1.24	1.16	1.08	10	.3074	.1573	+.	24	@367
6	.86	1.08	2	.12	.27	.74	1.12	.66	9	.5237	.4976	+.	24	@367
6	.86	1.08	3	-.01	.34	.87	1.14	.77	10	.4606	.1389	+.	24	@367
6	.86	1.08	4	.40	.84	.46	1.37	.34	11	.7439	.3173	+.	24	@367
6	.86	1.08	5	.12	.40	.74	1.15	.64	10	.5377	.2482	+.	24	@367
6	.86	1.08	7	.12	.11	.74	1.09	.68	7	.5208	.8962	-.	24	@367
7	.12	.11	1	-.38	.40	.51	.42	1.21	42	.2337	.2160	.87	24	@367
7	.12	.11	2	.12	.27	.00	.30	.02	130	.9869	.7452	.21	24	@367
7	.12	.11	3	-.01	.34	.14	.36	.37	66	.7091	.5216	.36	24	@367
7	.12	.11	4	.40	.84	-.28	.85	-.32	7	.7557	.5127	-.15	24	@367
7	.12	.11	5	.12	.40	.00	.42	.00	49	.9984	.6464	1.00	24	@367
7	.12	.11	6	.86	1.08	-.74	1.09	-.68	7	.5208	.8962	+.	24	@367
1	.29	.42	2	-.03	.27	.32	.50	.64	59	.5261	.1766	-1.61	25	@369
1	.29	.42	3	.11	.35	.18	.55	.34	59	.7381	.1356	.00	25	@369
1	.29	.42	4	.40	.84	-.11	.95	-.11	12	.9118	.3173	+.	25	@369
1	.29	.42	5	-.33	.38	.63	.57	1.10	55	.2782	.0681	+.	25	@369
1	.29	.42	6	-.03	.85	.33	.95	.34	12	.7378	.4795	+.	25	@369
1	.29	.42	7	.10	.11	.20	.44	.44	41	.6597	.3607	-.17	25	@369
2	-.03	.27	1	.29	.42	-.32	.50	-.64	59	.5261	.1766	1.61	25	@369
2	-.03	.27	3	.11	.35	-.14	.44	-.31	88	.7587	.3357	.22	25	@369
2	-.03	.27	4	.40	.84	-.43	.89	-.48	10	.6401	.8181	-.	25	@369
2	-.03	.27	5	-.33	.38	.30	.47	.65	71	.5149	.6325	+.	25	@369
2	-.03	.27	6	-.03	.85	.00	.89	.01	10	.9959	.4921	+.	25	@369
2	-.03	.27	7	.10	.11	-.13	.29	-.43	131	.6681	.6198	-.24	25	@369
3	.11	.35	1	.29	.42	-.18	.55	-.34	59	.7381	.1356	.00	25	@369
3	.11	.35	2	-.03	.27	.14	.44	.31	88	.7587	.3357	-.22	25	@369
3	.11	.35	4	.40	.84	-.29	.91	-.32	11	.7556	.3636	+.	25	@369
3	.11	.35	5	-.33	.38	.44	.52	.85	66	.3973	.4212	+.	25	@369
3	.11	.35	6	-.03	.85	.14	.92	.15	11	.8812	.7691	+.	25	@369
3	.11	.35	7	.10	.11	.01	.37	.03	66	.9774	.9499	-.31	25	@369
4	.40	.84	1	.29	.42	.11	.95	.11	12	.9118	.3173	-.	25	@369
4	.40	.84	2	-.03	.27	.43	.89	.48	10	.6401	.8181	+.	25	@369
4	.40	.84	3	.11	.35	.29	.91	.32	11	.7556	.3636	-.	25	@369
4	.40	.84	5	-.33	.38	.73	.93	.79	12	.4449	.3173	+.	25	@369
4	.40	.84	6	-.03	.85	.43	1.20	.36	11	.7250	.1573	-.	25	@369
4	.40	.84	7	.10	.11	.30	.85	.35	7	.7334	.6879	+.	25	@369
5	-.33	.38	1	.29	.42	-.63	.57	-1.10	55	.2782	.0681	-.	25	@369
5	-.33	.38	2	-.03	.27	-.30	.47	-.65	71	.5149	.6325	-.	25	@369
5	-.33	.38	3	.11	.35	-.44	.52	-.85	66	.3973	.4212	-.	25	@369
5	-.33	.38	4	.40	.84	-.73	.93	-.79	12	.4449	.3173	-.	25	@369
5	-.33	.38	6	-.03	.85	-.30	.93	-.32	12	.7525	.3701	-.	25	@369
5	-.33	.38	7	.10	.11	-.43	.40	-1.08	50	.2851	.2216	-.	25	@369
6	-.03	.85	1	.29	.42	-.33	.95	-.34	12	.7378	.4795	-.	25	@369
6	-.03	.85	2	-.03	.27	.00	.89	-.01	10	.9959	.4921	-.	25	@369
6	-.03	.85	3	.11	.35	-.14	.92	-.15	11	.8812	.7691	-.	25	@369
6	-.03	.85	4	.40	.84	-.43	1.20	-.36	11	.7250	.1573	+.	25	@369
6	-.03	.85	5	-.33	.38	.30	.93	.32	12	.7525	.3701	+.	25	@369
6	-.03	.85	7	.10	.11	-.13	.86	-.15	7	.8837	.7758	-.	25	@369
7	.10	.11	1	.29	.42	-.20	.44	-.44	41	.6597	.3607	.17	25	@369
7	.10	.11	2	-.03	.27	.13	.29	.43	131	.6681	.6198	.24	25	@369
7	.10	.11	3	.11	.35	-.01	.37	-.03	66	.9774	.9499	.31	25	@369
7	.10	.11	4	.40	.84	-.30	.85	-.35	7	.7334	.6879	-.	25	@369
7	.10	.11	5	-.33	.38	.43	.40	1.08	50	.2851	.2216	+.	25	@369
7	.10	.11	6	-.03	.85	.13	.86	.15	7	.8837	.7758	+.	25	@369
1	-.71	.41	2	-.37	.26	-.34	.48	-.70	60	.4839	.8397	-1.61	26	@370
1	-.71	.41	3	-.57	.33	-.14	.52	-.26	58	.7936	.8128	-.69	26	@370
1	-.71	.41	4	.40	.84	-1.11	.94	-1.18	12	.2595	.5485	-.	26	@370
1	-.71	.41	5	-.48	.38	-.23	.55	-.42	55	.6756	.8339	-.69	26	@370

1	-.71	.41	6	.85	1.06	-1.56	1.14	-1.37	11	.1971	.6171	-.	26	@370
1	-.71	.41	7	-.78	.12	.07	.42	.15	42	.8779	.6625	-.40	26	@370
2	-.37	.26	1	-.71	.41	.34	.48	.70	60	.4839	.8397	1.61	26	@370
2	-.37	.26	3	-.57	.33	.20	.42	.48	89	.6320	.8744	.11	26	@370
2	-.37	.26	4	.40	.84	-.77	.88	-.87	10	.4033	.1716	.00	26	@370
2	-.37	.26	5	-.48	.38	.11	.46	.23	70	.8186	.4111	.53	26	@370
2	-.37	.26	6	.85	1.06	-1.22	1.09	-1.12	9	.2922	.0737	-.	26	@370
2	-.37	.26	7	-.78	.12	.40	.28	1.43	135	.1553	.8114	-.22	26	@370
3	-.57	.33	1	-.71	.41	.14	.52	.26	58	.7936	.8128	.69	26	@370
3	-.57	.33	2	-.37	.26	-.20	.42	-.48	89	.6320	.8744	-.11	26	@370
3	-.57	.33	4	.40	.84	-.97	.91	-1.07	11	.3068	.9330	-.	26	@370
3	-.57	.33	5	-.48	.38	-.10	.50	-.19	65	.8491	.7474	-.08	26	@370
3	-.57	.33	6	.85	1.06	-1.42	1.11	-1.28	10	.2294	.6062	1.39	26	@370
3	-.57	.33	7	-.78	.12	.20	.35	.58	68	.5643	.7846	.27	26	@370
4	.40	.84	1	-.71	.41	1.11	.94	1.18	12	.2595	.5485	+.	26	@370
4	.40	.84	2	-.37	.26	.77	.88	.87	10	.4033	.1716	.00	26	@370
4	.40	.84	3	-.57	.33	.97	.91	1.07	11	.3068	.9330	+.	26	@370
4	.40	.84	5	-.48	.38	.88	.93	.95	12	.3625	.6573	+.	26	@370
4	.40	.84	6	.85	1.06	-.45	1.36	-.33	11	.7449	.4795	+.	26	@370
4	.40	.84	7	-.78	.12	1.17	.85	1.38	7	.2108	.2193	1.20	26	@370
5	-.48	.38	1	-.71	.41	.23	.55	.42	55	.6756	.8339	.69	26	@370
5	-.48	.38	2	-.37	.26	-.11	.46	-.23	70	.8186	.4111	-.53	26	@370
5	-.48	.38	3	-.57	.33	.10	.50	.19	65	.8491	.7474	.08	26	@370
5	-.48	.38	4	.40	.84	-.88	.93	-.95	12	.3625	.6573	-.	26	@370
5	-.48	.38	6	.85	1.06	-1.33	1.13	-1.18	10	.2661	.4795	.69	26	@370
5	-.48	.38	7	-.78	.12	.30	.40	.76	50	.4537	.9768	.42	26	@370
6	.85	1.06	1	-.71	.41	1.56	1.14	1.37	11	.1971	.6171	+.	26	@370
6	.85	1.06	2	-.37	.26	1.22	1.09	1.12	9	.2922	.0737	+.	26	@370
6	.85	1.06	3	-.57	.33	1.42	1.11	1.28	10	.2294	.6062	-1.39	26	@370
6	.85	1.06	4	.40	.84	.45	1.36	.33	11	.7449	.4795	-.	26	@370
6	.85	1.06	5	-.48	.38	1.33	1.13	1.18	10	.2661	.4795	-.69	26	@370
6	.85	1.06	7	-.78	.12	1.63	1.07	1.52	7	.1718	.4482	-.22	26	@370
7	-.78	.12	1	-.71	.41	-.07	.42	-.15	42	.8779	.6625	.40	26	@370
7	-.78	.12	2	-.37	.26	-.40	.28	-1.43	135	.1553	.8114	.22	26	@370
7	-.78	.12	3	-.57	.33	-.20	.35	-.58	68	.5643	.7846	-.27	26	@370
7	-.78	.12	4	.40	.84	-1.17	.85	-1.38	7	.2108	.2193	-1.20	26	@370
7	-.78	.12	5	-.48	.38	-.30	.40	-.76	50	.4537	.9768	-.42	26	@370
7	-.78	.12	6	.85	1.06	-1.63	1.07	-1.52	7	.1718	.4482	.22	26	@370
1	.89	.48	2	1.02	.34	-.13	.59	-.22	63	.8228	.2746	-.69	27	@373
1	.89	.48	3	.64	.39	.25	.62	.40	58	.6882	.9413	-1.10	27	@373
1	.89	.48	4	1.29	1.08	-.39	1.18	-.33	11	.7453	.3173	-.	27	@373
1	.89	.48	5	.46	.43	.43	.64	.67	55	.5052	.7434	.09	27	@373
1	.89	.48	6	-.03	.85	.93	.97	.95	13	.3588	.6831	-.	27	@373
1	.89	.48	7	.74	.12	.15	.49	.31	41	.7565	.3378	-.13	27	@373
2	1.02	.34	1	.89	.48	.13	.59	.22	63	.8228	.2746	.69	27	@373
2	1.02	.34	3	.64	.39	.38	.52	.74	93	.4639	.9356	+.	27	@373
2	1.02	.34	4	1.29	1.08	-.26	1.13	-.23	10	.8218	.0455	+.	27	@373
2	1.02	.34	5	.46	.43	.56	.55	1.03	75	.3071	.0086	1.39	27	@373
2	1.02	.34	6	-.03	.85	1.06	.91	1.16	11	.2716	.3035	+.	27	@373
2	1.02	.34	7	.74	.12	.29	.36	.79	121	.4316	.1042	-.64	27	@373
3	.64	.39	1	.89	.48	-.25	.62	-.40	58	.6882	.9413	1.10	27	@373
3	.64	.39	2	1.02	.34	-.38	.52	-.74	93	.4639	.9356	-.	27	@373
3	.64	.39	4	1.29	1.08	-.64	1.15	-.56	10	.5888	.1421	-.	27	@373
3	.64	.39	5	.46	.43	.18	.58	.31	66	.7546	.3928	.90	27	@373
3	.64	.39	6	-.03	.85	.68	.93	.73	12	.4816	.7561	.41	27	@373
3	.64	.39	7	.74	.12	-.09	.41	-.23	65	.8179	.4600	-.73	27	@373
4	1.29	1.08	1	.89	.48	.39	1.18	.33	11	.7453	.3173	+.	27	@373
4	1.29	1.08	2	1.02	.34	.26	1.13	.23	10	.8218	.0455	-.	27	@373
4	1.29	1.08	3	.64	.39	.64	1.15	.56	10	.5888	.1421	+.	27	@373
4	1.29	1.08	5	.46	.43	.82	1.16	.71	11	.4938	.5485	+.	27	@373
4	1.29	1.08	6	-.03	.85	1.32	1.37	.96	11	.3578	.4795	+.	27	@373
4	1.29	1.08	7	.74	.12	.55	1.09	.50	7	.6304	.4347	+.	27	@373
5	.46	.43	1	.89	.48	-.43	.64	-.67	55	.5052	.7434	-.09	27	@373
5	.46	.43	2	1.02	.34	-.56	.55	-1.03	75	.3071	.0086	-1.39	27	@373
5	.46	.43	3	.64	.39	-.18	.58	-.31	66	.7546	.3928	-.90	27	@373
5	.46	.43	4	1.29	1.08	-.82	1.16	-.71	11	.4938	.5485	-.	27	@373
5	.46	.43	6	-.03	.85	.50	.95	.52	12	.6107	.4126	+.	27	@373
5	.46	.43	7	.74	.12	-.28	.44	-.62	49	.5380	.8050	-.73	27	@373
6	-.03	.85	1	.89	.48	-.93	.97	-.95	13	.3588	.6831	+.	27	@373
6	-.03	.85	2	1.02	.34	-1.06	.91	-1.16	11	.2716	.3035	-.	27	@373
6	-.03	.85	3	.64	.39	-.68	.93	-.73	12	.4816	.7561	-.41	27	@373
6	-.03	.85	4	1.29	1.08	-1.32	1.37	-.96	11	.3578	.4795	-.	27	@373
6	-.03	.85	5	.46	.43	-.50	.95	-.52	12	.6107	.4126	-.	27	@373
6	-.03	.85	7	.74	.12	-.77	.86	-.90	7	.3977	.6394	-.32	27	@373
7	.74	.12	1	.89	.48	-.15	.49	-.31	41	.7565	.3378	.13	27	@373
7	.74	.12	2	1.02	.34	-.29	.36	-.79	121	.4316	.1042	.64	27	@373

7	.74	.12	3	.64	.39	.09	.41	.23	65	.8179	.4600	.73	27	@373
7	.74	.12	4	1.29	1.08	-.55	1.09	-.50	7	.6304	.4347	-.	27	@373
7	.74	.12	5	.46	.43	.28	.44	.62	49	.5380	.8050	.73	27	@373
7	.74	.12	6	-.03	.85	.77	.86	.90	7	.3977	.6394	.32	27	@373
1	-.06	.41	2	-.44	.26	.38	.48	.79	59	.4308	.3838	.00	28	@374
1	-.06	.41	3	-.35	.33	.30	.53	.57	58	.5728	.3876	.00	28	@374
1	-.06	.41	4	-.24	.77	.19	.87	.22	13	.8323	.8084	-.	28	@374
1	-.06	.41	5	-.62	.38	.56	.56	1.02	55	.3144	.4732	.69	28	@374
1	-.06	.41	6	-.03	.85	-.02	.94	-.02	12	.9822	.1573	-.	28	@374
1	-.06	.41	7	-.60	.11	.55	.43	1.29	42	.2049	.0976	.69	28	@374
2	-.44	.26	1	-.06	.41	-.38	.48	-.79	59	.4308	.3838	.00	28	@374
2	-.44	.26	3	-.35	.33	-.08	.42	-.20	89	.8419	.7398	.24	28	@374
2	-.44	.26	4	-.24	.77	-.19	.81	-.24	10	.8163	.5027	-.	28	@374
2	-.44	.26	5	-.62	.38	.18	.46	.40	70	.6915	.6687	.00	28	@374
2	-.44	.26	6	-.03	.85	-.40	.89	-.46	10	.6576	.9324	-.	28	@374
2	-.44	.26	7	-.60	.11	.16	.28	.59	135	.5592	.9944	-.08	28	@374
3	-.35	.33	1	-.06	.41	-.30	.53	-.57	58	.5728	.3876	.00	28	@374
3	-.35	.33	2	-.44	.26	.08	.42	.20	89	.8419	.7398	-.24	28	@374
3	-.35	.33	4	-.24	.77	-.11	.84	-.13	11	.8982	.6076	-.	28	@374
3	-.35	.33	5	-.62	.38	.27	.50	.53	65	.5990	.3793	.44	28	@374
3	-.35	.33	6	-.03	.85	-.32	.91	-.35	11	.7315	.7714	+.	28	@374
3	-.35	.33	7	-.60	.11	.25	.35	.71	67	.4827	.9161	-.44	28	@374
4	-.24	.77	1	-.06	.41	-.19	.87	-.22	13	.8323	.8084	+.	28	@374
4	-.24	.77	2	-.44	.26	.19	.81	.24	10	.8163	.5027	+.	28	@374
4	-.24	.77	3	-.35	.33	.11	.84	.13	11	.8982	.6076	+.	28	@374
4	-.24	.77	5	-.62	.38	.38	.86	.44	12	.6699	.8084	-.	28	@374
4	-.24	.77	6	-.03	.85	-.21	1.15	-.18	11	.8578	.3173	+.	28	@374
4	-.24	.77	7	-.60	.11	.36	.78	.46	7	.6602	.9585	+.	28	@374
5	-.62	.38	1	-.06	.41	-.56	.56	-1.02	55	.3144	.4732	-.69	28	@374
5	-.62	.38	2	-.44	.26	-.18	.46	-.40	70	.6915	.6687	.00	28	@374
5	-.62	.38	3	-.35	.33	-.27	.50	-.53	65	.5990	.3793	-.44	28	@374
5	-.62	.38	4	-.24	.77	-.38	.86	-.44	12	.6699	.8084	+.	28	@374
5	-.62	.38	6	-.03	.85	-.59	.93	-.63	12	.5395	.0593	-.	28	@374
5	-.62	.38	7	-.60	.11	-.02	.39	-.04	50	.9656	.9734	-.56	28	@374
6	-.03	.85	1	-.06	.41	.02	.94	.02	12	.9822	.1573	+.	28	@374
6	-.03	.85	2	-.44	.26	.40	.89	.46	10	.6576	.9324	+.	28	@374
6	-.03	.85	3	-.35	.33	.32	.91	.35	11	.7315	.7714	-.	28	@374
6	-.03	.85	4	-.24	.77	.21	1.15	.18	11	.8578	.3173	-.	28	@374
6	-.03	.85	5	-.62	.38	.59	.93	.63	12	.5395	.0593	+.	28	@374
6	-.03	.85	7	-.60	.11	.57	.86	.66	7	.5274	.7188	+.	28	@374
7	-.60	.11	1	-.06	.41	-.55	.43	-1.29	42	.2049	.0976	-.69	28	@374
7	-.60	.11	2	-.44	.26	-.16	.28	-.59	135	.5592	.9944	.08	28	@374
7	-.60	.11	3	-.35	.33	-.25	.35	-.71	67	.4827	.9161	.44	28	@374
7	-.60	.11	4	-.24	.77	-.36	.78	-.46	7	.6602	.9585	-.	28	@374
7	-.60	.11	5	-.62	.38	.02	.39	.04	50	.9656	.9734	.56	28	@374
7	-.60	.11	6	-.03	.85	-.57	.86	-.66	7	.5274	.7188	-.	28	@374
1	-.71	.41	2	-.17	.26	-.54	.48	-1.12	60	.2673	.1310	-.50	29	@375
1	-.71	.41	3	-1.01	.33	.30	.53	.57	59	.5686	.3125	.00	29	@375
1	-.71	.41	4	-.24	.77	-.47	.87	-.53	13	.6018	.7316	-.	29	@375
1	-.71	.41	5	-.76	.38	.05	.55	.09	55	.9280	.7158	-.69	29	@375
1	-.71	.41	6	-.03	.85	-.68	.94	-.72	12	.4851	1.000	.000	29	@375
1	-.71	.41	7	-.52	.11	-.19	.42	-.45	42	.6553	.5742	-.09	29	@375
2	-.17	.26	1	-.71	.41	.54	.48	1.12	60	.2673	.1310	.50	29	@375
2	-.17	.26	3	-1.01	.33	.84	.43	1.98	89	.0507	.0348	.48	29	@375
2	-.17	.26	4	-.24	.77	.07	.82	.09	10	.9290	.8778	+.	29	@375
2	-.17	.26	5	-.76	.38	.59	.46	1.29	71	.2014	.2890	.57	29	@375
2	-.17	.26	6	-.03	.85	-.14	.89	-.15	10	.8814	.8459	1.10	29	@375
2	-.17	.26	7	-.52	.11	.35	.29	1.23	132	.2216	.3557	-.15	29	@375
3	-1.01	.33	1	-.71	.41	-.30	.53	-.57	59	.5686	.3125	.00	29	@375
3	-1.01	.33	2	-.17	.26	-.84	.43	-1.98	89	.0507	.0348	-.48	29	@375
3	-1.01	.33	4	-.24	.77	-.77	.84	-.91	11	.3811	.3657	+.	29	@375
3	-1.01	.33	5	-.76	.38	-.25	.50	-.50	65	.6192	.9486	-.62	29	@375
3	-1.01	.33	6	-.03	.85	-.98	.91	-1.07	11	.3060	.2472	-.41	29	@375
3	-1.01	.33	7	-.52	.11	-.49	.35	-1.39	67	.1696	.2771	.08	29	@375
4	-.24	.77	1	-.71	.41	.47	.87	.53	13	.6018	.7316	+.	29	@375
4	-.24	.77	2	-.17	.26	-.07	.82	-.09	10	.9290	.8778	-.	29	@375
4	-.24	.77	3	-1.01	.33	.77	.84	.91	11	.3811	.3657	-.	29	@375
4	-.24	.77	5	-.76	.38	.52	.86	.60	12	.5587	.5637	+.	29	@375
4	-.24	.77	6	-.03	.85	-.21	1.15	-.18	11	.8578	.8084	-.	29	@375
4	-.24	.77	7	-.52	.11	.28	.78	.35	7	.7331	.9565	+.	29	@375
5	-.76	.38	1	-.71	.41	-.05	.55	-.09	55	.9280	.7158	.69	29	@375
5	-.76	.38	2	-.17	.26	-.59	.46	-1.29	71	.2014	.2890	-.57	29	@375
5	-.76	.38	3	-1.01	.33	.25	.50	.50	65	.6192	.9486	.62	29	@375
5	-.76	.38	4	-.24	.77	-.52	.86	-.60	12	.5587	.5637	-.	29	@375
5	-.76	.38	6	-.03	.85	-.73	.93	-.78	12	.4482	.6117	.00	29	@375
5	-.76	.38	7	-.52	.11	-.24	.39	-.61	50	.5445	.8721	.32	29	@375

6	-.03	.85	1	-.71	.41	.68	.94	.72	12	.4851	1.000	.000	29	@375	
6	-.03	.85	2	-.17	.26	.14	.89	.15	10	.8814	.8459	-1.10	29	@375	
6	-.03	.85	3	-1.01	.33	.98	.91	1.07	11	.3060	.2472	.41	29	@375	
6	-.03	.85	4	-.24	.77	.21	1.15	.18	11	.8578	.8084	+.	29	@375	
6	-.03	.85	5	-.76	.38	.73	.93	.78	12	.4482	.6117	.00	29	@375	
6	-.03	.85	7	-.52	.11	.49	.86	.57	7	.5866	.4504	.20	29	@375	
7	-.52	.11	1	-.71	.41	.19	.42	.45	42	.6553	.5742	.09	29	@375	
7	-.52	.11	2	-.17	.26	-.35	.29	-1.23	132	.2216	.3557	.15	29	@375	
7	-.52	.11	3	-1.01	.33	.49	.35	1.39	67	.1696	.2771	-.08	29	@375	
7	-.52	.11	4	-.24	.77	-.28	.78	-.35	7	.7331	.9565	-.	29	@375	
7	-.52	.11	5	-.76	.38	.24	.39	.61	50	.5445	.8721	-.32	29	@375	
7	-.52	.11	6	-.03	.85	-.49	.86	-.57	7	.5866	.4504	-.20	29	@375	
1	-1.05	.42	2	-.03	.27	-1.02	.50	-2.06	60	.0440	.0416	-1.61	30	@378	
1	-1.05	.42	3	-.01	.34	-1.03	.54	-1.92	59	.0601	.1084	-1.10	30	@378	
1	-1.05	.42	4	-2.35	1.01	1.30	1.09	1.19	11	.2597			30	@378	
1	-1.05	.42	5	-.04	.39	-1.01	.57	-1.77	55	.0825	.1040	-.	30	@378	
1	-1.05	.42	6	-.03	.85	-1.01	.95	-1.07	12	.3042	.2207	-.	30	@378	
1	-1.05	.42	7	-.37	.11	-.68	.43	-1.57	41	.1234	.0484	-.07	30	@378	
2	-.03	.27	1	-1.05	.42	1.02	.50	2.06	60	.0440	.0416	1.61	30	@378	
2	-.03	.27	3	-.01	.34	-.02	.44	-.04	89	.9712	.5028	.24	30	@378	
2	-.03	.27	4	-2.35	1.01	2.32	1.05	2.22	9	.0538	.0128	+.	30	@378	
2	-.03	.27	5	-.04	.39	.01	.47	.01	70	.9889	.8293	.66	30	@378	
2	-.03	.27	6	-.03	.85	.00	.89	.01	10	.9959	.8807	-.	30	@378	
2	-.03	.27	7	-.37	.11	.34	.29	1.17	131	.2448	.6133	.27	30	@378	
3	-.01	.34	1	-1.05	.42	1.03	.54	1.92	59	.0601	.1084	1.10	30	@378	
3	-.01	.34	2	-.03	.27	.02	.44	.04	89	.9712	.5028	-.24	30	@378	
3	-.01	.34	4	-2.35	1.01	2.33	1.07	2.19	10	.0536	.0894	+.	30	@378	
3	-.01	.34	5	-.04	.39	.02	.52	.04	65	.9658	.2765	-.62	30	@378	
3	-.01	.34	6	-.03	.85	.02	.91	.02	11	.9825	.6889	-.	30	@378	
3	-.01	.34	7	-.37	.11	.36	.36	.98	66	.3292	.4233	.00	30	@378	
4	-2.35	1.01	1	-1.05	.42	-1.30	1.09	-1.19	11	.2597			30	@378	
4	-2.35	1.01	2	-.03	.27	-2.32	1.05	-2.22	9	.0538	.0128	-.	30	@378	
4	-2.35	1.01	3	-.01	.34	-2.33	1.07	-2.19	10	.0536	.0894	-.	30	@378	
4	-2.35	1.01	5	-.04	.39	-2.31	1.08	-2.13	11	.0564	.1701	-.	30	@378	
4	-2.35	1.01	6	-.03	.85	-2.31	1.32	-1.75	11	.1073	.1573	-.	30	@378	
4	-2.35	1.01	7	-.37	.11	-1.98	1.02	-1.95	7	.0928	.0398	-.	30	@378	
5	-.04	.39	1	-1.05	.42	1.01	.57	1.77	55	.0825	.1040	+.	30	@378	
5	-.04	.39	2	-.03	.27	-.01	.47	-.01	70	.9889	.8293	-.66	30	@378	
5	-.04	.39	3	-.01	.34	-.02	.52	-.04	65	.9658	.2765	.62	30	@378	
5	-.04	.39	4	-2.35	1.01	2.31	1.08	2.13	11	.0564	.1701	+.	30	@378	
5	-.04	.39	6	-.03	.85	.00	.93	.00	12	.9984	.7255	-.	30	@378	
5	-.04	.39	7	-.37	.11	.33	.41	.82	49	.4187	.8172	-.20	30	@378	
6	-.03	.85	1	-1.05	.42	1.01	.95	1.07	12	.3042	.2207	+.	30	@378	
6	-.03	.85	2	-.03	.27	.00	.89	-.01	10	.9959	.8807	+.	30	@378	
6	-.03	.85	3	-.01	.34	-.02	.91	-.02	11	.9825	.6889	+.	30	@378	
6	-.03	.85	4	-2.35	1.01	2.31	1.32	1.75	11	.1073	.1573	+.	30	@378	
6	-.03	.85	5	-.04	.39	.00	.93	.00	12	.9984	.7255	+.	30	@378	
6	-.03	.85	7	-.37	.11	.33	.86	.39	7	.7071	.7527	+.	30	@378	
7	-.37	.11	1	-1.05	.42	.68	.43	1.57	41	.1234	.0484	.07	30	@378	
7	-.37	.11	2	-.03	.27	-.34	.29	-1.17	131	.2448	.6133	-.27	30	@378	
7	-.37	.11	3	-.01	.34	-.36	.36	-.98	66	.3292	.4233	.00	30	@378	
7	-.37	.11	4	-2.35	1.01	1.98	1.02	1.95	7	.0928	.0398	+.	30	@378	
7	-.37	.11	5	-.04	.39	-.33	.41	-.82	49	.4187	.8172	.20	30	@378	
7	-.37	.11	6	-.03	.85	-.33	.86	-.39	7	.7071	.7527	-.	30	@378	
1	-.55	.40	2	-.03	.27	-.52	.48	-1.07	61	.2888	.4810	.69	31	@382	
1	-.55	.40	3	-.01	.34	-.53	.53	-1.01	59	.3177	.7161	.00	31	@382	
1	-.55	.40	4	-.24	.77	-.30	.87	-.35	13	.7337	.5485	-.	31	@382	
1	-.55	.40	5	-.33	.38	-.21	.56	-.38	55	.7020	.6522	+.	31	@382	
1	-.55	.40	6	.86	1.08	-1.41	1.15	-1.22	10	.2514	.4795	+.	31	@382	
1	-.55	.40	7	-.33	.11	-.22	.42	-.52	42	.6072	.5225	-.26	31	@382	
2	-.03	.27	1	-.55	.40	.52	.48	1.07	61	.2888	.4810	-.69	31	@382	
2	-.03	.27	3	-.01	.34	-.02	.44	-.04	89	.9712	.3869	1.61	31	@382	
2	-.03	.27	4	-.24	.77	.22	.82	.26	10	.7978	.5853	.00	31	@382	
2	-.03	.27	5	-.33	.38	.30	.47	.65	71	.5149	.4468	+.	31	@382	
2	-.03	.27	6	.86	1.08	-.89	1.11	-.80	9	.4464	.7841	-.	31	@382	
2	-.03	.27	7	-.33	.11	.30	.29	1.04	131	.3023	.6125	-.11	31	@382	
3	-.01	.34	1	-.55	.40	.53	.53	1.01	59	.3177	.7161	.00	31	@382	
3	-.01	.34	2	-.03	.27	.02	.44	.04	89	.9712	.3869	-1.61	31	@382	
3	-.01	.34	4	-.24	.77	.23	.85	.27	12	.7894	.3551	+.	31	@382	
3	-.01	.34	5	-.33	.38	.32	.51	.62	66	.5341	.4046	+.	31	@382	
3	-.01	.34	6	.86	1.08	-.87	1.13	-.77	10	.4603	.9701	1.39	31	@382	
3	-.01	.34	7	-.33	.11	.32	.36	.88	66	.3840	.4620	.18	31	@382	
4	-.24	.77	1	-.55	.40	.30	.87	.35	13	.7337	.5485	+.	31	@382	
4	-.24	.77	2	-.03	.27	-.22	.82	-.26	10	.7978	.5853	.00	31	@382	
4	-.24	.77	3	-.01	.34	-.23	.85	-.27	12	.7894	.3551	-.	31	@382	
4	-.24	.77	5	-.33	.38	.09	.86	.10	12	.9189	.1336	+.	31	@382	

4	-.24	.77	6	.86	1.08	-1.10	1.33	-.83	11	.4246	.8084	-.	31	@382
4	-.24	.77	7	-.33	.11	.09	.78	.11	7	.9155	.9724	-.15	31	@382
5	-.33	.38	1	-.55	.40	.21	.56	.38	55	.7020	.6522	-.	31	@382
5	-.33	.38	2	-.03	.27	-.30	.47	-.65	71	.5149	.4468	-.	31	@382
5	-.33	.38	3	-.01	.34	-.32	.51	-.62	66	.5341	.4046	-.	31	@382
5	-.33	.38	4	-.24	.77	-.09	.86	-.10	12	.9189	.1336	-.	31	@382
5	-.33	.38	6	.86	1.08	-1.19	1.15	-1.04	10	.3231	.2207	+.	31	@382
5	-.33	.38	7	-.33	.11	.00	.40	-.01	50	.9926	.9747	.18	31	@382
6	.86	1.08	1	-.55	.40	1.41	1.15	1.22	10	.2514	.4795	-.	31	@382
6	.86	1.08	2	-.03	.27	.89	1.11	.80	9	.4464	.7841	+.	31	@382
6	.86	1.08	3	-.01	.34	.87	1.13	.77	10	.4603	.9701	-1.39	31	@382
6	.86	1.08	4	-.24	.77	1.10	1.33	.83	11	.4246	.8084	+.	31	@382
6	.86	1.08	5	-.33	.38	1.19	1.15	1.04	10	.3231	.2207	-.	31	@382
6	.86	1.08	7	-.33	.11	1.19	1.09	1.09	7	.3107	.2688	.69	31	@382
7	-.33	.11	1	-.55	.40	.22	.42	.52	42	.6072	.5225	.26	31	@382
7	-.33	.11	2	-.03	.27	-.30	.29	-1.04	131	.3023	.6125	.11	31	@382
7	-.33	.11	3	-.01	.34	-.32	.36	-.88	66	.3840	.4620	-.18	31	@382
7	-.33	.11	4	-.24	.77	-.09	.78	-.11	7	.9155	.9724	.15	31	@382
7	-.33	.11	5	-.33	.38	.00	.40	.01	50	.9926	.9747	-.18	31	@382
7	-.33	.11	6	.86	1.08	-1.19	1.09	-1.09	7	.3107	.2688	-.69	31	@382
1	-.22	.41	2	-.24	.26	.02	.48	.04	60	.9719	.2205	.00	32	@383
1	-.22	.41	3	1.94	.55	-2.16	.68	-3.16	63	.0024	.0149	-.	32	@383
1	-.22	.41	4	.40	.84	-.62	.94	-.66	12	.5211	1.000	.000	32	@383
1	-.22	.41	5	.46	.43	-.68	.59	-1.16	55	.2505	.7542	-.	32	@383
1	-.22	.41	6	-.03	.85	-.19	.94	-.20	12	.8454	.1336	+.	32	@383
1	-.22	.41	7	-.06	.11	-.16	.42	-.38	42	.7040	.7374	-.61	32	@383
2	-.24	.26	1	-.22	.41	-.02	.48	-.04	60	.9719	.2205	.00	32	@383
2	-.24	.26	3	1.94	.55	-2.18	.61	-3.58	73	.0006	.0018	-.	32	@383
2	-.24	.26	4	.40	.84	-.64	.88	-.72	10	.4881	.2769	-.	32	@383
2	-.24	.26	5	.46	.43	-.70	.50	-1.40	66	.1659	.0825	.00	32	@383
2	-.24	.26	6	-.03	.85	-.20	.89	-.23	10	.8225	.7329	.00	32	@383
2	-.24	.26	7	-.06	.11	-.18	.28	-.63	133	.5323	.1275	-.71	32	@383
3	1.94	.55	1	-.22	.41	2.16	.68	3.16	63	.0024	.0149	+.	32	@383
3	1.94	.55	2	-.24	.26	2.18	.61	3.58	73	.0006	.0018	+.	32	@383
3	1.94	.55	4	.40	.84	1.55	1.01	1.53	15	.1464	.0455	+.	32	@383
3	1.94	.55	5	.46	.43	1.48	.70	2.12	67	.0373	.0047	+.	32	@383
3	1.94	.55	6	-.03	.85	1.98	1.01	1.95	15	.0695	.0668	+.	32	@383
3	1.94	.55	7	-.06	.11	2.00	.56	3.56	55	.0008	.0028	+.	32	@383
4	.40	.84	1	-.22	.41	.62	.94	.66	12	.5211	1.000	.000	32	@383
4	.40	.84	2	-.24	.26	.64	.88	.72	10	.4881	.2769	+.	32	@383
4	.40	.84	3	1.94	.55	-1.55	1.01	-1.53	15	.1464	.0455	-.	32	@383
4	.40	.84	5	.46	.43	-.06	.95	-.07	12	.9471	.7532	+.	32	@383
4	.40	.84	6	-.03	.85	.43	1.20	.36	11	.7250			32	@383
4	.40	.84	7	-.06	.11	.46	.85	.54	7	.6075	.4206	1.20	32	@383
5	.46	.43	1	-.22	.41	.68	.59	1.16	55	.2505	.7542	+.	32	@383
5	.46	.43	2	-.24	.26	.70	.50	1.40	66	.1659	.0825	.00	32	@383
5	.46	.43	3	1.94	.55	-1.48	.70	-2.12	67	.0373	.0047	-.	32	@383
5	.46	.43	4	.40	.84	.06	.95	.07	12	.9471	.7532	-.	32	@383
5	.46	.43	6	-.03	.85	.50	.95	.52	12	.6108	.4126	+.	32	@383
5	.46	.43	7	-.06	.11	.52	.44	1.18	47	.2427	.4229	-.41	32	@383
6	-.03	.85	1	-.22	.41	.19	.94	.20	12	.8454	.1336	-.	32	@383
6	-.03	.85	2	-.24	.26	.20	.89	.23	10	.8225	.7329	.00	32	@383
6	-.03	.85	3	1.94	.55	-1.98	1.01	-1.95	15	.0695	.0668	-.	32	@383
6	-.03	.85	4	.40	.84	-.43	1.20	-.36	11	.7250			32	@383
6	-.03	.85	5	.46	.43	-.50	.95	-.52	12	.6108	.4126	-.	32	@383
6	-.03	.85	7	-.06	.11	.03	.86	.03	7	.9764	.5637	-.	32	@383
7	-.06	.11	1	-.22	.41	.16	.42	.38	42	.7040	.7374	.61	32	@383
7	-.06	.11	2	-.24	.26	.18	.28	.63	133	.5323	.1275	.71	32	@383
7	-.06	.11	3	1.94	.55	-2.00	.56	-3.56	55	.0008	.0028	-.	32	@383
7	-.06	.11	4	.40	.84	-.46	.85	-.54	7	.6075	.4206	-1.20	32	@383
7	-.06	.11	5	.46	.43	-.52	.44	-1.18	47	.2427	.4229	.41	32	@383
7	-.06	.11	6	-.03	.85	-.03	.86	-.03	7	.9764	.5637	+.	32	@383
1	.29	.42	2	-.03	.27	.32	.50	.64	59	.5261	.0363	.69	33	@384
1	.29	.42	3	-.13	.34	.42	.54	.77	58	.4419	.5467	+.	33	@384
1	.29	.42	4	.40	.84	-.11	.95	-.11	12	.9118	.1573	+.	33	@384
1	.29	.42	5	.86	.47	-.57	.63	-.90	55	.3720	.4934	-.	33	@384
1	.29	.42	6	-.68	.78	.97	.89	1.10	13	.2915	.1336	+.	33	@384
1	.29	.42	7	-.15	.11	.44	.44	1.00	41	.3213	.2249	-.33	33	@384
2	-.03	.27	1	.29	.42	-.32	.50	-.64	59	.5261	.0363	-.69	33	@384
2	-.03	.27	3	-.13	.34	.10	.43	.23	89	.8165	.6778	1.39	33	@384
2	-.03	.27	4	.40	.84	-.43	.89	-.48	10	.6401	.4726	-.	33	@384
2	-.03	.27	5	.86	.47	-.89	.54	-1.65	64	.1043	.0254	-.	33	@384
2	-.03	.27	6	-.68	.78	.65	.82	.79	10	.4452	.8527	1.10	33	@384
2	-.03	.27	7	-.15	.11	.12	.29	.42	131	.6774	.8024	-.15	33	@384
3	-.13	.34	1	.29	.42	-.42	.54	-.77	58	.4419	.5467	-.	33	@384
3	-.13	.34	2	-.03	.27	-.10	.43	-.23	89	.8165	.6778	-1.39	33	@384

3	-.13	.34	4	.40	.84	-.53	.91	-.58	11	.5737	.5019	+.	33	@384
3	-.13	.34	5	.86	.47	-.99	.58	-1.71	63	.0919	.0706	-.	33	@384
3	-.13	.34	6	-.68	.78	.55	.85	.65	12	.5267	.3968	+.	33	@384
3	-.13	.34	7	-.15	.11	.02	.36	.06	66	.9539	.8626	-.35	33	@384
4	.40	.84	1	.29	.42	.11	.95	.11	12	.9118	.1573	-.	33	@384
4	.40	.84	2	-.03	.27	.43	.89	.48	10	.6401	.4726	+.	33	@384
4	.40	.84	3	-.13	.34	.53	.91	.58	11	.5737	.5019	-.	33	@384
4	.40	.84	5	.86	.47	-.46	.97	-.48	13	.6400			33	@384
4	.40	.84	6	-.68	.78	1.08	1.15	.94	11	.3667	.8084	+.	33	@384
4	.40	.84	7	-.15	.11	.55	.85	.64	7	.5404	.4657	+.	33	@384
5	.86	.47	1	.29	.42	.57	.63	.90	55	.3720	.4934	+.	33	@384
5	.86	.47	2	-.03	.27	.89	.54	1.65	64	.1043	.0254	+.	33	@384
5	.86	.47	3	-.13	.34	.99	.58	1.71	63	.0919	.0706	+.	33	@384
5	.86	.47	4	.40	.84	.46	.97	.48	13	.6400			33	@384
5	.86	.47	6	-.68	.78	1.54	.91	1.70	14	.1111	.0201	+.	33	@384
5	.86	.47	7	-.15	.11	1.01	.48	2.09	46	.0417	.0473	.13	33	@384
6	-.68	.78	1	.29	.42	-.97	.89	-1.10	13	.2915	.1336	-.	33	@384
6	-.68	.78	2	-.03	.27	-.65	.82	-.79	10	.4452	.8527	-1.10	33	@384
6	-.68	.78	3	-.13	.34	-.55	.85	-.65	12	.5267	.3968	-.	33	@384
6	-.68	.78	4	.40	.84	-1.08	1.15	-.94	11	.3667	.8084	-.	33	@384
6	-.68	.78	5	.86	.47	-1.54	.91	-1.70	14	.1111	.0201	-.	33	@384
6	-.68	.78	7	-.15	.11	-.53	.78	-.68	7	.5198	.4440	-.	33	@384
7	-.15	.11	1	.29	.42	-.44	.44	-1.00	41	.3213	.2249	.33	33	@384
7	-.15	.11	2	-.03	.27	-.12	.29	-.42	131	.6774	.8024	.15	33	@384
7	-.15	.11	3	-.13	.34	-.02	.36	-.06	66	.9539	.8626	.35	33	@384
7	-.15	.11	4	.40	.84	-.55	.85	-.64	7	.5404	.4657	-.	33	@384
7	-.15	.11	5	.86	.47	-1.01	.48	-2.09	46	.0417	.0473	-.13	33	@384
7	-.15	.11	6	-.68	.78	.53	.78	.68	7	.5198	.4440	+.	33	@384
1	-1.23	.43	2	-.50	.26	-.72	.50	-1.45	58	.1516	.2919	-.98	34	@386
1	-1.23	.43	3	-1.13	.34	-.10	.54	-.18	58	.8554	.5796	-.90	34	@386
1	-1.23	.43	4	-.83	.77	-.39	.88	-.44	13	.6643	.8084	-.	34	@386
1	-1.23	.43	5	-.62	.38	-.61	.57	-1.07	55	.2913	.5954	.53	34	@386
1	-1.23	.43	6	-1.28	.78	.05	.89	.06	13	.9543	.1336	+.	34	@386
1	-1.23	.43	7	-.41	.11	-.82	.44	-1.86	41	.0708	.1958	-.16	34	@386
2	-.50	.26	1	-1.23	.43	.72	.50	1.45	58	.1516	.2919	.98	34	@386
2	-.50	.26	3	-1.13	.34	.62	.42	1.47	88	.1457	.0809	.53	34	@386
2	-.50	.26	4	-.83	.77	.33	.81	.41	10	.6939	.5936	+.	34	@386
2	-.50	.26	5	-.62	.38	.12	.45	.26	70	.7994	.9507	1.76	34	@386
2	-.50	.26	6	-1.28	.78	.77	.82	.95	10	.3664	.4348	+.	34	@386
2	-.50	.26	7	-.41	.11	-.10	.28	-.34	134	.7307	.8551	.61	34	@386
3	-1.13	.34	1	-1.23	.43	.10	.54	.18	58	.8554	.5796	.90	34	@386
3	-1.13	.34	2	-.50	.26	-.62	.42	-1.47	88	.1457	.0809	-.53	34	@386
3	-1.13	.34	4	-.83	.77	-.29	.84	-.35	12	.7350	.7857	-.	34	@386
3	-1.13	.34	5	-.62	.38	-.51	.51	-1.00	66	.3208	.3096	.75	34	@386
3	-1.13	.34	6	-1.28	.78	.15	.85	.18	12	.8612	.7646	+.	34	@386
3	-1.13	.34	7	-.41	.11	-.72	.36	-2.01	66	.0482	.1059	-.10	34	@386
4	-.83	.77	1	-1.23	.43	.39	.88	.44	13	.6643	.8084	+.	34	@386
4	-.83	.77	2	-.50	.26	-.33	.81	-.41	10	.6939	.5936	-.	34	@386
4	-.83	.77	3	-1.13	.34	.29	.84	.35	12	.7350	.7857	+.	34	@386
4	-.83	.77	5	-.62	.38	-.21	.86	-.25	12	.8078	.4245	-.	34	@386
4	-.83	.77	6	-1.28	.78	.44	1.10	.40	11	.6933			34	@386
4	-.83	.77	7	-.41	.11	-.43	.78	-.55	7	.6023	.5344	-.	34	@386
5	-.62	.38	1	-1.23	.43	.61	.57	1.07	55	.2913	.5954	-.53	34	@386
5	-.62	.38	2	-.50	.26	-.12	.45	-.26	70	.7994	.9507	-1.76	34	@386
5	-.62	.38	3	-1.13	.34	.51	.51	1.00	66	.3208	.3096	-.75	34	@386
5	-.62	.38	4	-.83	.77	.21	.86	.25	12	.8078	.4245	+.	34	@386
5	-.62	.38	6	-1.28	.78	.66	.86	.76	12	.4609	.1985	+.	34	@386
5	-.62	.38	7	-.41	.11	-.21	.39	-.54	50	.5914	.9290	-1.02	34	@386
6	-1.28	.78	1	-1.23	.43	-.05	.89	-.06	13	.9543	.1336	-.	34	@386
6	-1.28	.78	2	-.50	.26	-.77	.82	-.95	10	.3664	.4348	-.	34	@386
6	-1.28	.78	3	-1.13	.34	-.15	.85	-.18	12	.8612	.7646	-.	34	@386
6	-1.28	.78	4	-.83	.77	-.44	1.10	-.40	11	.6933			34	@386
6	-1.28	.78	5	-.62	.38	-.66	.86	-.76	12	.4609	.1985	-.	34	@386
6	-1.28	.78	7	-.41	.11	-.87	.79	-1.11	7	.3045	.2902	-.	34	@386
7	-.41	.11	1	-1.23	.43	.82	.44	1.86	41	.0708	.1958	.16	34	@386
7	-.41	.11	2	-.50	.26	.10	.28	.34	134	.7307	.8551	-.61	34	@386
7	-.41	.11	3	-1.13	.34	.72	.36	2.01	66	.0482	.1059	.10	34	@386
7	-.41	.11	4	-.83	.77	.43	.78	.55	7	.6023	.5344	+.	34	@386
7	-.41	.11	5	-.62	.38	.21	.39	.54	50	.5914	.9290	1.02	34	@386
7	-.41	.11	6	-1.28	.78	.87	.79	1.11	7	.3045	.2902	+.	34	@386
1	.48	.44	2	.35	.29	.12	.52	.24	61	.8124	.2784	-1.61	35	@387
1	.48	.44	3	.36	.36	.12	.57	.20	59	.8391	.2749	-.69	35	@387
1	.48	.44	4	-.24	.77	.72	.89	.81	13	.4314	.5485	+.	35	@387
1	.48	.44	5	.12	.40	.36	.59	.60	55	.5517	.6593	.69	35	@387
1	.48	.44	6	-.03	.85	.51	.95	.54	12	.6022	.1573	-.	35	@387
1	.48	.44	7	.74	.12	-.26	.45	-.58	42	.5658	.4492	-.64	35	@387

2	.35	.29	1	.48	.44	-.12	.52	-.24	61	.8124	.2784	1.61	35	@387
2	.35	.29	3	.36	.36	-.01	.46	-.02	89	.9855	.6246	.03	35	@387
2	.35	.29	4	-.24	.77	.60	.82	.72	11	.4843	.5183	+	35	@387
2	.35	.29	5	.12	.40	.23	.49	.47	71	.6410	.1286	1.02	35	@387
2	.35	.29	6	-.03	.85	.39	.89	.43	10	.6753	.5926	-	35	@387
2	.35	.29	7	.74	.12	-.39	.31	-1.24	132	.2160	.6042	-.66	35	@387
3	.36	.36	1	.48	.44	-.12	.57	-.20	59	.8391	.2749	.69	35	@387
3	.36	.36	2	.35	.29	.01	.46	.02	89	.9855	.6246	-.03	35	@387
3	.36	.36	4	-.24	.77	.60	.85	.71	12	.4926	.7561	-	35	@387
3	.36	.36	5	.12	.40	.24	.54	.44	66	.6606	.2777	1.05	35	@387
3	.36	.36	6	-.03	.85	.39	.92	.43	11	.6773	.3079	+	35	@387
3	.36	.36	7	.74	.12	-.38	.39	-.98	67	.3285	.4769	-.59	35	@387
4	-.24	.77	1	.48	.44	-.72	.89	-.81	13	.4314	.5485	-	35	@387
4	-.24	.77	2	.35	.29	-.60	.82	-.72	11	.4843	.5183	-	35	@387
4	-.24	.77	3	.36	.36	-.60	.85	-.71	12	.4926	.7561	+	35	@387
4	-.24	.77	5	.12	.40	-.37	.87	-.42	13	.6813	.8964	-	35	@387
4	-.24	.77	6	-.03	.85	-.21	1.15	-.18	11	.8578	.1573	+	35	@387
4	-.24	.77	7	.74	.12	-.98	.78	-1.26	8	.2440	.1255	-1.70	35	@387
5	.12	.40	1	.48	.44	-.36	.59	-.60	55	.5517	.6593	-.69	35	@387
5	.12	.40	2	.35	.29	-.23	.49	-.47	71	.6410	.1286	-1.02	35	@387
5	.12	.40	3	.36	.36	-.24	.54	-.44	66	.6606	.2777	-1.05	35	@387
5	.12	.40	4	-.24	.77	.37	.87	.42	13	.6813	.8964	+	35	@387
5	.12	.40	6	-.03	.85	.16	.94	.17	12	.8712	.9136	-	35	@387
5	.12	.40	7	.74	.12	-.62	.42	-1.47	50	.1468	.3953	-.68	35	@387
6	-.03	.85	1	.48	.44	-.51	.95	-.54	12	.6022	.1573	+	35	@387
6	-.03	.85	2	.35	.29	-.39	.89	-.43	10	.6753	.5926	+	35	@387
6	-.03	.85	3	.36	.36	-.39	.92	-.43	11	.6773	.3079	-	35	@387
6	-.03	.85	4	-.24	.77	.21	1.15	.18	11	.8578	.1573	-	35	@387
6	-.03	.85	5	.12	.40	-.16	.94	-.17	12	.8712	.9136	+	35	@387
6	-.03	.85	7	.74	.12	-.77	.86	-.90	7	.3964	.6498	-	35	@387
7	.74	.12	1	.48	.44	.26	.45	.58	42	.5658	.4492	.64	35	@387
7	.74	.12	2	.35	.29	.39	.31	1.24	132	.2160	.6042	.66	35	@387
7	.74	.12	3	.36	.36	.38	.39	.98	67	.3285	.4769	.59	35	@387
7	.74	.12	4	-.24	.77	.98	.78	1.26	8	.2440	.1255	1.70	35	@387
7	.74	.12	5	.12	.40	.62	.42	1.47	50	.1468	.3953	.68	35	@387
7	.74	.12	6	-.03	.85	.77	.86	.90	7	.3964	.6498	+	35	@387
1	-.06	.41	2	-.17	.26	.11	.49	.24	60	.8149	.4818	+	36	@392
1	-.06	.41	3	-.01	.34	-.04	.53	-.08	59	.9376	.4515	+	36	@392
1	-.06	.41	4	-.83	.77	.78	.87	.89	13	.3897	.8415	+	36	@392
1	-.06	.41	5	-.62	.38	.56	.56	1.02	55	.3144	.1807	+	36	@392
1	-.06	.41	6	-.03	.85	-.02	.94	-.02	12	.9822	1.000	.000	36	@392
1	-.06	.41	7	-.51	.11	.46	.43	1.07	42	.2896	.2208	.69	36	@392
2	-.17	.26	1	-.06	.41	-.11	.49	-.24	60	.8149	.4818	-	36	@392
2	-.17	.26	3	-.01	.34	-.16	.43	-.36	88	.7185	.3552	.31	36	@392
2	-.17	.26	4	-.83	.77	.66	.82	.81	10	.4350	.6570	+	36	@392
2	-.17	.26	5	-.62	.38	.45	.46	.98	71	.3300	.6761	.12	36	@392
2	-.17	.26	6	-.03	.85	-.14	.89	-.15	10	.8814	.7249	-	36	@392
2	-.17	.26	7	-.51	.11	.34	.29	1.19	132	.2354	.7039	.16	36	@392
3	-.01	.34	1	-.06	.41	.04	.53	.08	59	.9376	.4515	-	36	@392
3	-.01	.34	2	-.17	.26	.16	.43	.36	88	.7185	.3552	-.31	36	@392
3	-.01	.34	4	-.83	.77	.82	.85	.97	12	.3512	.3636	+	36	@392
3	-.01	.34	5	-.62	.38	.61	.51	1.19	66	.2380	.3274	1.55	36	@392
3	-.01	.34	6	-.03	.85	.02	.91	.02	11	.9825	.6607	+	36	@392
3	-.01	.34	7	-.51	.11	.50	.36	1.38	66	.1734	.6030	.12	36	@392
4	-.83	.77	1	-.06	.41	-.78	.87	-.89	13	.3897	.8415	-	36	@392
4	-.83	.77	2	-.17	.26	-.66	.82	-.81	10	.4350	.6570	-	36	@392
4	-.83	.77	3	-.01	.34	-.82	.85	-.97	12	.3512	.3636	-	36	@392
4	-.83	.77	5	-.62	.38	-.21	.86	-.25	12	.8078	.8964	+	36	@392
4	-.83	.77	6	-.03	.85	-.80	1.15	-.70	11	.5002	.3173	-	36	@392
4	-.83	.77	7	-.51	.11	-.32	.78	-.41	7	.6921	.4577	.47	36	@392
5	-.62	.38	1	-.06	.41	-.56	.56	-1.02	55	.3144	.1807	-	36	@392
5	-.62	.38	2	-.17	.26	-.45	.46	-.98	71	.3300	.6761	-.12	36	@392
5	-.62	.38	3	-.01	.34	-.61	.51	-1.19	66	.2380	.3274	-1.55	36	@392
5	-.62	.38	4	-.83	.77	.21	.86	.25	12	.8078	.8964	-	36	@392
5	-.62	.38	6	-.03	.85	-.59	.93	-.63	12	.5395	1.000	.000	36	@392
5	-.62	.38	7	-.51	.11	-.11	.39	-.28	50	.7834	.3957	-.51	36	@392
6	-.03	.85	1	-.06	.41	.02	.94	.02	12	.9822	1.000	.000	36	@392
6	-.03	.85	2	-.17	.26	.14	.89	.15	10	.8814	.7249	+	36	@392
6	-.03	.85	3	-.01	.34	-.02	.91	-.02	11	.9825	.6607	-	36	@392
6	-.03	.85	4	-.83	.77	.80	1.15	.70	11	.5002	.3173	+	36	@392
6	-.03	.85	5	-.62	.38	.59	.93	.63	12	.5395	1.000	.000	36	@392
6	-.03	.85	7	-.51	.11	.48	.86	.56	7	.5943	.9510	-	36	@392
7	-.51	.11	1	-.06	.41	-.46	.43	-1.07	42	.2896	.2208	-.69	36	@392
7	-.51	.11	2	-.17	.26	-.34	.29	-1.19	132	.2354	.7039	-.16	36	@392
7	-.51	.11	3	-.01	.34	-.50	.36	-1.38	66	.1734	.6030	-.12	36	@392
7	-.51	.11	4	-.83	.77	.32	.78	.41	7	.6921	.4577	-.47	36	@392

7	-.51	.11	5	-.62	.38	.11	.39	.28	50	.7834	.3957	.51	36	@392
7	-.51	.11	6	-.03	.85	-.48	.86	-.56	7	.5943	.9510	+.	36	@392
1	-.88	.41	2	.12	.27	-.99	.49	-2.02	61	.0481	.0003	-.	37	@395
1	-.88	.41	3	-.13	.34	-.75	.53	-1.41	59	.1650	.2878	-.	37	@395
1	-.88	.41	4	-.83	.77	-.04	.88	-.05	13	.9609	1.000	.000	37	@395
1	-.88	.41	5	-.48	.38	-.40	.56	-.72	55	.4766	.8084	-.	37	@395
1	-.88	.41	6	-.03	.85	-.84	.94	-.90	12	.3881	.4795	-.	37	@395
1	-.88	.41	7	-.46	.11	-.42	.43	-.98	42	.3315	.1754	.41	37	@395
2	.12	.27	1	-.88	.41	.99	.49	2.02	61	.0481	.0003	+.	37	@395
2	.12	.27	3	-.13	.34	.25	.44	.57	90	.5721	.4288	.54	37	@395
2	.12	.27	4	-.83	.77	.95	.82	1.16	10	.2731	.6550	+.	37	@395
2	.12	.27	5	-.48	.38	.60	.47	1.28	72	.2063	.0985	.89	37	@395
2	.12	.27	6	-.03	.85	.15	.89	.17	10	.8686	.4927	+.	37	@395
2	.12	.27	7	-.46	.11	.58	.30	1.94	129	.0540	.1606	-.15	37	@395
3	-.13	.34	1	-.88	.41	.75	.53	1.41	59	.1650	.2878	+.	37	@395
3	-.13	.34	2	.12	.27	-.25	.44	-.57	90	.5721	.4288	-.54	37	@395
3	-.13	.34	4	-.83	.77	.70	.84	.83	12	.4204	.3636	+.	37	@395
3	-.13	.34	5	-.48	.38	.35	.51	.69	66	.4950	.8012	.69	37	@395
3	-.13	.34	6	-.03	.85	-.10	.91	-.10	11	.9184	.8618	-.	37	@395
3	-.13	.34	7	-.46	.11	.33	.36	.92	66	.3596	.4995	.09	37	@395
4	-.83	.77	1	-.88	.41	.04	.88	.05	13	.9609	1.000	.000	37	@395
4	-.83	.77	2	.12	.27	-.95	.82	-1.16	10	.2731	.6550	-.	37	@395
4	-.83	.77	3	-.13	.34	-.70	.84	-.83	12	.4204	.3636	-.	37	@395
4	-.83	.77	5	-.48	.38	-.36	.86	-.41	12	.6864	.7316	-.	37	@395
4	-.83	.77	6	-.03	.85	-.80	1.15	-.70	11	.5002	.1573	-.	37	@395
4	-.83	.77	7	-.46	.11	-.37	.78	-.48	7	.6463	.5652	-.	37	@395
5	-.48	.38	1	-.88	.41	.40	.56	.72	55	.4766	.8084	+.	37	@395
5	-.48	.38	2	.12	.27	-.60	.47	-1.28	72	.2063	.0985	-.89	37	@395
5	-.48	.38	3	-.13	.34	-.35	.51	-.69	66	.4950	.8012	-.69	37	@395
5	-.48	.38	4	-.83	.77	.36	.86	.41	12	.6864	.7316	+.	37	@395
5	-.48	.38	6	-.03	.85	-.44	.93	-.48	12	.6411	.7963	.69	37	@395
5	-.48	.38	7	-.46	.11	-.02	.39	-.05	50	.9627	.6572	-.31	37	@395
6	-.03	.85	1	-.88	.41	.84	.94	.90	12	.3881	.4795	+.	37	@395
6	-.03	.85	2	.12	.27	-.15	.89	-.17	10	.8686	.4927	-.	37	@395
6	-.03	.85	3	-.13	.34	.10	.91	.10	11	.9184	.8618	+.	37	@395
6	-.03	.85	4	-.83	.77	.80	1.15	.70	11	.5002	.1573	+.	37	@395
6	-.03	.85	5	-.48	.38	.44	.93	.48	12	.6411	.7963	-.69	37	@395
6	-.03	.85	7	-.46	.11	.43	.86	.50	7	.6343	.8041	-1.39	37	@395
7	-.46	.11	1	-.88	.41	.42	.43	.98	42	.3315	.1754	-.41	37	@395
7	-.46	.11	2	.12	.27	-.58	.30	-1.94	129	.0540	.1606	.15	37	@395
7	-.46	.11	3	-.13	.34	-.33	.36	-.92	66	.3596	.4995	-.09	37	@395
7	-.46	.11	4	-.83	.77	.37	.78	.48	7	.6463	.5652	+.	37	@395
7	-.46	.11	5	-.48	.38	.02	.39	.05	50	.9627	.6572	.31	37	@395
7	-.46	.11	6	-.03	.85	-.43	.86	-.50	7	.6343	.8041	1.39	37	@395
1	.11	.42	2	.04	.27	.07	.50	.14	60	.8860	.5307	-1.61	38	@397
1	.11	.42	3	.50	.38	-.38	.56	-.68	60	.4970	.4813	-1.10	38	@397
1	.11	.42	4	.40	.84	-.28	.94	-.30	12	.7685	.8084	+.	38	@397
1	.11	.42	5	.29	.41	-.17	.59	-.29	55	.7702	.6003	+.	38	@397
1	.11	.42	6	-.03	.85	.15	.94	.16	12	.8777	.6831	+.	38	@397
1	.11	.42	7	-.07	.11	.19	.43	.44	41	.6655	.8043	-.38	38	@397
2	.04	.27	1	.11	.42	-.07	.50	-.14	60	.8860	.5307	1.61	38	@397
2	.04	.27	3	.50	.38	-.45	.46	-.98	86	.3292	.4373	.23	38	@397
2	.04	.27	4	.40	.84	-.35	.89	-.40	10	.6975	.8059	.00	38	@397
2	.04	.27	5	.29	.41	-.24	.49	-.49	69	.6233	.7199	.71	38	@397
2	.04	.27	6	-.03	.85	.08	.89	.09	10	.9327	.9927	1.10	38	@397
2	.04	.27	7	-.07	.11	.12	.29	.40	130	.6925	.8241	-.07	38	@397
3	.50	.38	1	.11	.42	.38	.56	.68	60	.4970	.4813	1.10	38	@397
3	.50	.38	2	.04	.27	.45	.46	.98	86	.3292	.4373	-.23	38	@397
3	.50	.38	4	.40	.84	.10	.92	.11	12	.9162	.8084	+.	38	@397
3	.50	.38	5	.29	.41	.21	.56	.38	66	.7064	.5730	.29	38	@397
3	.50	.38	6	-.03	.85	.53	.93	.57	12	.5773	.6605	.41	38	@397
3	.50	.38	7	-.07	.11	.57	.39	1.45	63	.1509	.4876	-.33	38	@397
4	.40	.84	1	.11	.42	.28	.94	.30	12	.7685	.8084	-.	38	@397
4	.40	.84	2	.04	.27	.35	.89	.40	10	.6975	.8059	.00	38	@397
4	.40	.84	3	.50	.38	-.10	.92	-.11	12	.9162	.8084	-.	38	@397
4	.40	.84	5	.29	.41	.11	.94	.12	12	.9075	.7532	+.	38	@397
4	.40	.84	6	-.03	.85	.43	1.20	.36	11	.7250	.4795	+.	38	@397
4	.40	.84	7	-.07	.11	.47	.85	.55	7	.5976	.7920	-.47	38	@397
5	.29	.41	1	.11	.42	.17	.59	.29	55	.7702	.6003	-.	38	@397
5	.29	.41	2	.04	.27	.24	.49	.49	69	.6233	.7199	-.71	38	@397
5	.29	.41	3	.50	.38	-.21	.56	-.38	66	.7064	.5730	-.29	38	@397
5	.29	.41	4	.40	.84	-.11	.94	-.12	12	.9075	.7532	-.	38	@397
5	.29	.41	6	-.03	.85	.32	.94	.34	12	.7399	.3017	.69	38	@397
5	.29	.41	7	-.07	.11	.36	.43	.84	48	.4045	.8607	-.60	38	@397
6	-.03	.85	1	.11	.42	-.15	.94	-.16	12	.8777	.6831	-.	38	@397
6	-.03	.85	2	.04	.27	-.08	.89	-.09	10	.9327	.9927	-1.10	38	@397

6	-.03	.85	3	.50	.38	-.53	.93	-.57	12	.5773	.6605	-.41	38	@397
6	-.03	.85	4	.40	.84	-.43	1.20	-.36	11	.7250	.4795	-.	38	@397
6	-.03	.85	5	.29	.41	-.32	.94	-.34	12	.7399	.3017	-.69	38	@397
6	-.03	.85	7	-.07	.11	.04	.86	.05	7	.9648	.8183	-1.13	38	@397
7	-.07	.11	1	.11	.42	-.19	.43	-.44	41	.6655	.8043	.38	38	@397
7	-.07	.11	2	.04	.27	-.12	.29	-.40	130	.6925	.8241	.07	38	@397
7	-.07	.11	3	.50	.38	-.57	.39	-1.45	63	.1509	.4876	.33	38	@397
7	-.07	.11	4	.40	.84	-.47	.85	-.55	7	.5976	.7920	.47	38	@397
7	-.07	.11	5	.29	.41	-.36	.43	-.84	48	.4045	.8607	.60	38	@397
7	-.07	.11	6	-.03	.85	-.04	.86	-.05	7	.9648	.8183	1.13	38	@397
1	.29	.42	2	.12	.27	.17	.51	.34	60	.7322	.1592	.00	39	@401
1	.29	.42	3	.50	.38	-.21	.57	-.36	60	.7172	.4313	-.51	39	@401
1	.29	.42	4	1.29	1.08	-.99	1.16	-.86	11	.4108	.6949	-.	39	@401
1	.29	.42	5	.12	.40	.17	.58	.29	55	.7725	.5178	1.79	39	@401
1	.29	.42	6	1.93<	1.57	-1.64	1.63	-1.01	9	.3408	.1336	-.	39	@401
1	.29	.42	7	1.05	.13	-.76	.44	-1.71	44	.0952	.0948	-1.06	39	@401
2	.12	.27	1	.29	.42	-.17	.51	-.34	60	.7322	.1592	.00	39	@401
2	.12	.27	3	.50	.38	-.38	.46	-.82	87	.4156	.9615	-.28	39	@401
2	.12	.27	4	1.29	1.08	-1.17	1.12	-1.05	9	.3228	.2746	-.	39	@401
2	.12	.27	5	.12	.40	.00	.49	-.01	70	.9934	.9467	-1.39	39	@401
2	.12	.27	6	1.93<	1.57	-1.81	1.60	-1.14	8	.2892	.0650	-.	39	@401
2	.12	.27	7	1.05	.13	-.93	.30	-3.07	140	.0026	.1970	-.28	39	@401
3	.50	.38	1	.29	.42	.21	.57	.36	60	.7172	.4313	.51	39	@401
3	.50	.38	2	.12	.27	.38	.46	.82	87	.4156	.9615	.28	39	@401
3	.50	.38	4	1.29	1.08	-.79	1.15	-.69	10	.5073	.6419	-.	39	@401
3	.50	.38	5	.12	.40	.38	.55	.68	66	.4959	.3221	.00	39	@401
3	.50	.38	6	1.93<	1.57	-1.43	1.62	-.89	9	.3988	.1937	-.	39	@401
3	.50	.38	7	1.05	.13	-.55	.40	-1.39	68	.1698	.6839	-.38	39	@401
4	1.29	1.08	1	.29	.42	.99	1.16	.86	11	.4108	.6949	+.	39	@401
4	1.29	1.08	2	.12	.27	1.17	1.12	1.05	9	.3228	.2746	+.	39	@401
4	1.29	1.08	3	.50	.38	.79	1.15	.69	10	.5073	.6419	+.	39	@401
4	1.29	1.08	5	.12	.40	1.16	1.15	1.01	10	.3371	.0811	+.	39	@401
4	1.29	1.08	6	1.93<	1.57	-.64	1.91	-.34	11	.7423			39	@401
4	1.29	1.08	7	1.05	.13	.24	1.09	.22	7	.8350	.7913	+.	39	@401
5	.12	.40	1	.29	.42	-.17	.58	-.29	55	.7725	.5178	-1.79	39	@401
5	.12	.40	2	.12	.27	.00	.49	.01	70	.9934	.9467	1.39	39	@401
5	.12	.40	3	.50	.38	-.38	.55	-.68	66	.4959	.3221	.00	39	@401
5	.12	.40	4	1.29	1.08	-1.16	1.15	-1.01	10	.3371	.0811	-.	39	@401
5	.12	.40	6	1.93<	1.57	-1.81	1.62	-1.11	9	.2941	.1985	-.	39	@401
5	.12	.40	7	1.05	.13	-.93	.42	-2.20	52	.0323	.2536	-.86	39	@401
6	1.93<	1.57	1	.29	.42	1.64	1.63	1.01	9	.3408	.1336	+.	39	@401
6	1.93<	1.57	2	.12	.27	1.81	1.60	1.14	8	.2892	.0650	+.	39	@401
6	1.93<	1.57	3	.50	.38	1.43	1.62	.89	9	.3988	.1937	+.	39	@401
6	1.93<	1.57	4	1.29	1.08	.64	1.91	.34	11	.7423			39	@401
6	1.93<	1.57	5	.12	.40	1.81	1.62	1.11	9	.2941	.1985	+.	39	@401
6	1.93<	1.57	7	1.05	.13	.88	1.58	.56	7	.5946	.2360	+.	39	@401
7	1.05	.13	1	.29	.42	.76	.44	1.71	44	.0952	.0948	1.06	39	@401
7	1.05	.13	2	.12	.27	.93	.30	3.07	140	.0026	.1970	.28	39	@401
7	1.05	.13	3	.50	.38	.55	.40	1.39	68	.1698	.6839	.38	39	@401
7	1.05	.13	4	1.29	1.08	-.24	1.09	-.22	7	.8350	.7913	-.	39	@401
7	1.05	.13	5	.12	.40	.93	.42	2.20	52	.0323	.2536	.86	39	@401
7	1.05	.13	6	1.93<	1.57	-.88	1.58	-.56	7	.5946	.2360	-.	39	@401
1	.68	.45	2	-.31	.26	.98	.52	1.88	56	.0659	.1164	-.41	40	@408
1	.68	.45	3	.10	.35	.57	.57	1.00	57	.3224	.0558	.21	40	@408
1	.68	.45	4	1.28	1.08	-.61	1.17	-.52	11	.6131	1.000	.000	40	@408
1	.68	.45	5	-.19	.39	.86	.60	1.45	54	.1537	.1753	-.69	40	@408
1	.68	.45	6	-.68	.78	1.36	.90	1.51	13	.1553	.1336	+.	40	@408
1	.68	.45	7	.16	.12	.51	.47	1.10	40	.2798	.1556	.36	40	@408
2	-.31	.26	1	.68	.45	-.98	.52	-1.88	56	.0659	.1164	.41	40	@408
2	-.31	.26	3	.10	.35	-.41	.43	-.94	87	.3492	.4213	-.28	40	@408
2	-.31	.26	4	1.28	1.08	-1.59	1.11	-1.43	9	.1855	.4110	.00	40	@408
2	-.31	.26	5	-.19	.39	-.12	.46	-.26	69	.7990	.5294	.00	40	@408
2	-.31	.26	6	-.68	.78	.38	.82	.46	10	.6556	.3318	+.	40	@408
2	-.31	.26	7	.16	.12	-.47	.28	-1.65	134	.1013	.0520	-.57	40	@408
3	.10	.35	1	.68	.45	-.57	.57	-1.00	57	.3224	.0558	-.21	40	@408
3	.10	.35	2	-.31	.26	.41	.43	.94	87	.3492	.4213	.28	40	@408
3	.10	.35	4	1.28	1.08	-1.18	1.13	-1.04	10	.3221	.1767	-.	40	@408
3	.10	.35	5	-.19	.39	.29	.52	.56	66	.5787	.9783	.00	40	@408
3	.10	.35	6	-.68	.78	.79	.85	.92	12	.3745	.3897	1.39	40	@408
3	.10	.35	7	.16	.12	-.06	.37	-.16	66	.8740	.9107	-.14	40	@408
4	1.28	1.08	1	.68	.45	.61	1.17	.52	11	.6131	1.000	.000	40	@408
4	1.28	1.08	2	-.31	.26	1.59	1.11	1.43	9	.1855	.4110	.00	40	@408
4	1.28	1.08	3	.10	.35	1.18	1.13	1.04	10	.3221	.1767	+.	40	@408
4	1.28	1.08	5	-.19	.39	1.47	1.15	1.28	10	.2280	.2253	+.	40	@408
4	1.28	1.08	6	-.68	.78	1.97	1.33	1.48	11	.1671	.4795	+.	40	@408
4	1.28	1.08	7	.16	.12	1.12	1.08	1.03	7	.3352	.4061	-.81	40	@408

5	-.19	.39	1	.68	.45	-.86	.60	-1.45	54	.1537	.1753	.69	40	@408	
5	-.19	.39	2	-.31	.26	.12	.46	.26	69	.7990	.5294	.00	40	@408	
5	-.19	.39	3	.10	.35	-.29	.52	-.56	66	.5787	.9783	.00	40	@408	
5	-.19	.39	4	1.28	1.08	-1.47	1.15	-1.28	10	.2280	.2253	-.	40	@408	
5	-.19	.39	6	-.68	.78	.50	.87	.57	12	.5786	.1585	+.	40	@408	
5	-.19	.39	7	.16	.12	-.35	.40	-.87	50	.3903	.3970	-.40	40	@408	
6	-.68	.78	1	.68	.45	-1.36	.90	-1.51	13	.1553	.1336	-.	40	@408	
6	-.68	.78	2	-.31	.26	-.38	.82	-.46	10	.6556	.3318	-.	40	@408	
6	-.68	.78	3	.10	.35	-.79	.85	-.92	12	.3745	.3897	-1.39	40	@408	
6	-.68	.78	4	1.28	1.08	-1.97	1.33	-1.48	11	.1671	.4795	-.	40	@408	
6	-.68	.78	5	-.19	.39	-.50	.87	-.57	12	.5786	.1585	-.	40	@408	
6	-.68	.78	7	.16	.12	-.84	.79	-1.07	7	.3180	.0698	-1.61	40	@408	
7	.16	.12	1	.68	.45	-.51	.47	-1.10	40	.2798	.1556	-.36	40	@408	
7	.16	.12	2	-.31	.26	.47	.28	1.65	134	.1013	.0520	.57	40	@408	
7	.16	.12	3	.10	.35	.06	.37	.16	66	.8740	.9107	.14	40	@408	
7	.16	.12	4	1.28	1.08	-1.12	1.08	-1.03	7	.3352	.4061	.81	40	@408	
7	.16	.12	5	-.19	.39	.35	.40	.87	50	.3903	.3970	.40	40	@408	
7	.16	.12	6	-.68	.78	.84	.79	1.07	7	.3180	.0698	1.61	40	@408	
1	.89	.48	2	1.27	.37	-.38	.60	-.63	66	.5286	.7172	+.	41	@412	
1	.89	.48	3	1.38	.49	-.49	.68	-.72	61	.4731	.6521	-.	41	@412	
1	.89	.48	4	1.29	1.09	-.40	1.19	-.33	11	.7451	1.000	.000	41	@412	
1	.89	.48	5	1.71	.62	-.82	.78	-1.05	55	.2993	.8664	+.	41	@412	
1	.89	.48	6	1.96<	1.61	-1.07	1.67	-.64	9	.5401			41	@412	
1	.89	.48	7	1.14	.13	-.25	.50	-.50	42	.6201	.7995	-1.43	41	@412	
2	1.27	.37	1	.89	.48	.38	.60	.63	66	.5286	.7172	-.	41	@412	
2	1.27	.37	3	1.38	.49	-.11	.61	-.18	88	.8575	.9248	1.10	41	@412	
2	1.27	.37	4	1.29	1.09	-.01	1.15	-.01	10	.9908	.8084	+.	41	@412	
2	1.27	.37	5	1.71	.62	-.44	.72	-.61	65	.5461	.8047	+.	41	@412	
2	1.27	.37	6	1.96<	1.61	-.68	1.65	-.42	9	.6874	.3412	-.	41	@412	
2	1.27	.37	7	1.14	.13	.13	.39	.34	121	.7328	.8366	-.50	41	@412	
3	1.38	.49	1	.89	.48	.49	.68	.72	61	.4731	.6521	+.	41	@412	
3	1.38	.49	2	1.27	.37	.11	.61	.18	88	.8575	.9248	-1.10	41	@412	
3	1.38	.49	4	1.29	1.09	.10	1.19	.08	12	.9368	.5637	-.	41	@412	
3	1.38	.49	5	1.71	.62	-.33	.79	-.42	64	.6790	.9063	.69	41	@412	
3	1.38	.49	6	1.96<	1.61	-.57	1.68	-.34	10	.7389	.4795	-.	41	@412	
3	1.38	.49	7	1.14	.13	.24	.50	.48	61	.6302	.9115	-1.01	41	@412	
4	1.29	1.09	1	.89	.48	.40	1.19	.33	11	.7451	1.000	.000	41	@412	
4	1.29	1.09	2	1.27	.37	.01	1.15	.01	10	.9908	.8084	-.	41	@412	
4	1.29	1.09	3	1.38	.49	-.10	1.19	-.08	12	.9368	.5637	+.	41	@412	
4	1.29	1.09	5	1.71	.62	-.42	1.25	-.34	13	.7401	.7532	+.	41	@412	
4	1.29	1.09	6	1.96<	1.61	-.67	1.94	-.35	11	.7356			41	@412	
4	1.29	1.09	7	1.14	.13	.15	1.09	.14	7	.8963	.8059	-1.70	41	@412	
5	1.71	.62	1	.89	.48	.82	.78	1.05	55	.2993	.8664	-.	41	@412	
5	1.71	.62	2	1.27	.37	.44	.72	.61	65	.5461	.8047	-.	41	@412	
5	1.71	.62	3	1.38	.49	.33	.79	.42	64	.6790	.9063	-.69	41	@412	
5	1.71	.62	4	1.29	1.09	.42	1.25	.34	13	.7401	.7532	-.	41	@412	
5	1.71	.62	6	1.96<	1.61	-.25	1.72	-.14	11	.8882	.4142	-.	41	@412	
5	1.71	.62	7	1.14	.13	.57	.63	.90	44	.3721	.4244	-1.85	41	@412	
6	1.96<	1.61	1	.89	.48	1.07	1.67	.64	9	.5401			41	@412	
6	1.96<	1.61	2	1.27	.37	.68	1.65	.42	9	.6874	.3412	+.	41	@412	
6	1.96<	1.61	3	1.38	.49	.57	1.68	.34	10	.7389	.4795	+.	41	@412	
6	1.96<	1.61	4	1.29	1.09	.67	1.94	.35	11	.7356			41	@412	
6	1.96<	1.61	5	1.71	.62	.25	1.72	.14	11	.8882	.4142	+.	41	@412	
6	1.96<	1.61	7	1.14	.13	.82	1.61	.51	7	.6268	.3562	+.	41	@412	
7	1.14	.13	1	.89	.48	.25	.50	.50	42	.6201	.7995	1.43	41	@412	
7	1.14	.13	2	1.27	.37	-.13	.39	-.34	121	.7328	.8366	.50	41	@412	
7	1.14	.13	3	1.38	.49	-.24	.50	-.48	61	.6302	.9115	1.01	41	@412	
7	1.14	.13	4	1.29	1.09	-.15	1.09	-.14	7	.8963	.8059	1.70	41	@412	
7	1.14	.13	5	1.71	.62	-.57	.63	-.90	44	.3721	.4244	1.85	41	@412	
7	1.14	.13	6	1.96<	1.61	-.82	1.61	-.51	7	.6268	.3562	-.	41	@412	
1	.48	.44	2	-.37	.26	.85	.51	1.67	57	.0998	.3179	.00	42	@420	
1	.48	.44	3	-.46	.33	.94	.55	1.72	57	.0915	.3959	.00	42	@420	
1	.48	.44	4	-1.48	.85	1.95	.95	2.05	13	.0608	.4795	+.	42	@420	
1	.48	.44	5	-.48	.38	.95	.58	1.65	54	.1044	.1116	+.	42	@420	
1	.48	.44	6	-1.28	.78	1.75	.89	1.97	13	.0708	.3173	+.	42	@420	
1	.48	.44	7	-.46	.11	.94	.45	2.07	41	.0447	.0429	.64	42	@420	
2	-.37	.26	1	.48	.44	-.85	.51	-1.67	57	.0998	.3179	.00	42	@420	
2	-.37	.26	3	-.46	.33	.09	.42	.22	89	.8268	.6909	.86	42	@420	
2	-.37	.26	4	-1.48	.85	1.10	.88	1.25	10	.2398	.1898	+.	42	@420	
2	-.37	.26	5	-.48	.38	.11	.46	.23	70	.8186	.7987	.41	42	@420	
2	-.37	.26	6	-1.28	.78	.91	.82	1.11	10	.2947	.5839	1.10	42	@420	
2	-.37	.26	7	-.46	.11	.09	.28	.31	134	.7584	.8471	.41	42	@420	
3	-.46	.33	1	.48	.44	-.94	.55	-1.72	57	.0915	.3959	.00	42	@420	
3	-.46	.33	2	-.37	.26	-.09	.42	-.22	89	.8268	.6909	-.86	42	@420	
3	-.46	.33	4	-1.48	.85	1.01	.91	1.12	11	.2885	.6949	-.	42	@420	
3	-.46	.33	5	-.48	.38	.01	.50	.03	65	.9790	.8403	-.69	42	@420	

3	-.46	.33	6	-1.28	.78	.81	.84	.96	11	.3563	.8729	-1.39	42	@420
3	-.46	.33	7	-.46	.11	-.01	.35	-.01	67	.9881	.9701	-.29	42	@420
4	-1.48	.85	1	.48	.44	-1.95	.95	-2.05	13	.0608	.4795	-.	42	@420
4	-1.48	.85	2	-.37	.26	-1.10	.88	-1.25	10	.2398	.1898	-.	42	@420
4	-1.48	.85	3	-.46	.33	-1.01	.91	-1.12	11	.2885	.6949	+.	42	@420
4	-1.48	.85	5	-.48	.38	-1.00	.93	-1.08	12	.3018	1.000	.000	42	@420
4	-1.48	.85	6	-1.28	.78	-.20	1.15	-.17	11	.8654	.4795	+.	42	@420
4	-1.48	.85	7	-.46	.11	-1.02	.85	-1.19	7	.2717	.2547	-.	42	@420
5	-.48	.38	1	.48	.44	-.95	.58	-1.65	54	.1044	.1116	-.	42	@420
5	-.48	.38	2	-.37	.26	-.11	.46	-.23	70	.8186	.7987	-.41	42	@420
5	-.48	.38	3	-.46	.33	-.01	.50	-.03	65	.9790	.8403	.69	42	@420
5	-.48	.38	4	-1.48	.85	1.00	.93	1.08	12	.3018	1.000	.000	42	@420
5	-.48	.38	6	-1.28	.78	.80	.86	.93	12	.3729	1.000	.00	42	@420
5	-.48	.38	7	-.46	.11	-.02	.39	-.05	50	.9627	.9199	-.12	42	@420
6	-1.28	.78	1	.48	.44	-1.75	.89	-1.97	13	.0708	.3173	-.	42	@420
6	-1.28	.78	2	-.37	.26	-.91	.82	-1.11	10	.2947	.5839	-1.10	42	@420
6	-1.28	.78	3	-.46	.33	-.81	.84	-.96	11	.3563	.8729	1.39	42	@420
6	-1.28	.78	4	-1.48	.85	.20	1.15	.17	11	.8654	.4795	-.	42	@420
6	-1.28	.78	5	-.48	.38	-.80	.86	-.93	12	.3729	1.000	.00	42	@420
6	-1.28	.78	7	-.46	.11	-.82	.79	-1.04	7	.3320	.4503	.07	42	@420
7	-.46	.11	1	.48	.44	-.94	.45	-2.07	41	.0447	.0429	-.64	42	@420
7	-.46	.11	2	-.37	.26	-.09	.28	-.31	134	.7584	.8471	-.41	42	@420
7	-.46	.11	3	-.46	.33	.01	.35	.01	67	.9881	.9701	.29	42	@420
7	-.46	.11	4	-1.48	.85	1.02	.85	1.19	7	.2717	.2547	+.	42	@420
7	-.46	.11	5	-.48	.38	.02	.39	.05	50	.9627	.9199	.12	42	@420
7	-.46	.11	6	-1.28	.78	.82	.79	1.04	7	.3320	.4503	-.07	42	@420
1	.11	.42	2	.12	.27	.00	.50	-.01	61	.9957	.8921	-.	43	@422
1	.11	.42	3	.11	.35	.01	.54	.02	59	.9879	.9367	.69	43	@422
1	.11	.42	4	.40	.84	-.28	.94	-.30	12	.7685	.8084	-.	43	@422
1	.11	.42	5	.86	.47	-.75	.63	-1.19	55	.2392	.9335	-.	43	@422
1	.11	.42	6	1.82<	1.45	-1.71	1.51	-1.13	9	.2867			43	@422
1	.11	.42	7	-.06	.11	.17	.43	.41	41	.6872	.9833	-.96	43	@422
2	.12	.27	1	.11	.42	.00	.50	.01	61	.9957	.8921	+.	43	@422
2	.12	.27	3	.11	.35	.01	.44	.02	89	.9803	.9775	-1.10	43	@422
2	.12	.27	4	.40	.84	-.28	.89	-.32	10	.7584	.4281	.00	43	@422
2	.12	.27	5	.86	.47	-.74	.54	-1.37	65	.1760	.2334	.00	43	@422
2	.12	.27	6	1.82<	1.45	-1.70	1.47	-1.16	8	.2811	.2649	-.	43	@422
2	.12	.27	7	-.06	.11	.18	.30	.60	129	.5505	.6633	-.61	43	@422
3	.11	.35	1	.11	.42	-.01	.54	-.02	59	.9879	.9367	-.69	43	@422
3	.11	.35	2	.12	.27	-.01	.44	-.02	89	.9803	.9775	1.10	43	@422
3	.11	.35	4	.40	.84	-.29	.91	-.32	11	.7556	.2743	-.	43	@422
3	.11	.35	5	.86	.47	-.75	.58	-1.29	63	.2018	.3316	1.10	43	@422
3	.11	.35	6	1.82<	1.45	-1.71	1.49	-1.15	9	.2794	.1608	-.	43	@422
3	.11	.35	7	-.06	.11	.17	.37	.45	65	.6516	.5721	-.53	43	@422
4	.40	.84	1	.11	.42	.28	.94	.30	12	.7685	.8084	+.	43	@422
4	.40	.84	2	.12	.27	.28	.89	.32	10	.7584	.4281	.00	43	@422
4	.40	.84	3	.11	.35	.29	.91	.32	11	.7556	.2743	+.	43	@422
4	.40	.84	5	.86	.47	-.46	.97	-.48	13	.6401	.2253	-.	43	@422
4	.40	.84	6	1.82<	1.45	-1.42	1.68	-.85	11	.4142			43	@422
4	.40	.84	7	-.06	.11	.46	.85	.54	7	.6075	.9594	-.15	43	@422
5	.86	.47	1	.11	.42	.75	.63	1.19	55	.2392	.9335	+.	43	@422
5	.86	.47	2	.12	.27	.74	.54	1.37	65	.1760	.2334	.00	43	@422
5	.86	.47	3	.11	.35	.75	.58	1.29	63	.2018	.3316	-1.10	43	@422
5	.86	.47	4	.40	.84	.46	.97	.48	13	.6401	.2253	+.	43	@422
5	.86	.47	6	1.82<	1.45	-.96	1.52	-.63	10	.5425			43	@422
5	.86	.47	7	-.06	.11	.92	.48	1.91	46	.0628	.0443	.00	43	@422
6	1.82<	1.45	1	.11	.42	1.71	1.51	1.13	9	.2867			43	@422
6	1.82<	1.45	2	.12	.27	1.70	1.47	1.16	8	.2811	.2649	+.	43	@422
6	1.82<	1.45	3	.11	.35	1.71	1.49	1.15	9	.2794	.1608	+.	43	@422
6	1.82<	1.45	4	.40	.84	1.42	1.68	.85	11	.4142			43	@422
6	1.82<	1.45	5	.86	.47	.96	1.52	.63	10	.5425			43	@422
6	1.82<	1.45	7	-.06	.11	1.88	1.45	1.30	6	.2429	.2125	+.	43	@422
7	-.06	.11	1	.11	.42	-.17	.43	-.41	41	.6872	.9833	.96	43	@422
7	-.06	.11	2	.12	.27	-.18	.30	-.60	129	.5505	.6633	.61	43	@422
7	-.06	.11	3	.11	.35	-.17	.37	-.45	65	.6516	.5721	.53	43	@422
7	-.06	.11	4	.40	.84	-.46	.85	-.54	7	.6075	.9594	.15	43	@422
7	-.06	.11	5	.86	.47	-.92	.48	-1.91	46	.0628	.0443	.00	43	@422
7	-.06	.11	6	1.82<	1.45	-1.88	1.45	-1.30	6	.2429	.2125	-.	43	@422
1	1.13	.51	2	1.14	.35	-.01	.62	-.02	62	.9874	.7807	-.	44	@423
1	1.13	.51	3	.97	.43	.16	.66	.24	59	.8089	.3886	-.	44	@423
1	1.13	.51	4	.40	.84	.74	.99	.75	14	.4679	.4795	+.	44	@423
1	1.13	.51	5	1.37	.55	-.24	.75	-.32	55	.7516	.2278	-.	44	@423
1	1.13	.51	6	1.95<	1.60	-.82	1.67	-.49	10	.6365	.1573	-.	44	@423
1	1.13	.51	7	1.11	.13	.02	.53	.05	41	.9642	.7481	.69	44	@423
2	1.14	.35	1	1.13	.51	.01	.62	.02	62	.9874	.7807	+.	44	@423
2	1.14	.35	3	.97	.43	.17	.55	.31	91	.7580	.3028	1.76	44	@423

2	1.14	.35	4	.40	.84	.75	.92	.81	11	.4327	.7279	.00	44	@423	
2	1.14	.35	5	1.37	.55	-.23	.65	-.35	68	.7276	.1935	-.	44	@423	
2	1.14	.35	6	1.95<	1.60	-.81	1.63	-.49	8	.6349	.3883	-.	44	@423	
2	1.14	.35	7	1.11	.13	.03	.38	.09	123	.9294	.1852	-.16	44	@423	
3	.97	.43	1	1.13	.51	-.16	.66	-.24	59	.8089	.3886	+.	44	@423	
3	.97	.43	2	1.14	.35	-.17	.55	-.31	91	.7580	.3028	-1.76	44	@423	
3	.97	.43	4	.40	.84	.57	.95	.61	13	.5539	.9183	-.	44	@423	
3	.97	.43	5	1.37	.55	-.40	.69	-.57	64	.5675	.9062	.88	44	@423	
3	.97	.43	6	1.95<	1.60	-.98	1.65	-.59	9	.5686	.1736	-.	44	@423	
3	.97	.43	7	1.11	.13	-.14	.45	-.31	64	.7592	.8400	-1.02	44	@423	
4	.40	.84	1	1.13	.51	-.74	.99	-.75	14	.4679	.4795	-.	44	@423	
4	.40	.84	2	1.14	.35	-.75	.92	-.81	11	.4327	.7279	.00	44	@423	
4	.40	.84	3	.97	.43	-.57	.95	-.61	13	.5539	.9183	+.	44	@423	
4	.40	.84	5	1.37	.55	-.97	1.01	-.97	15	.3490	.2253	-.	44	@423	
4	.40	.84	6	1.95<	1.60	-1.55	1.81	-.86	10	.4102	.1573	-.	44	@423	
4	.40	.84	7	1.11	.13	-.71	.85	-.83	8	.4292	.6503	-1.70	44	@423	
5	1.37	.55	1	1.13	.51	.24	.75	.32	55	.7516	.2278	+.	44	@423	
5	1.37	.55	2	1.14	.35	.23	.65	.35	68	.7276	.1935	+.	44	@423	
5	1.37	.55	3	.97	.43	.40	.69	.57	64	.5675	.9062	-.88	44	@423	
5	1.37	.55	4	.40	.84	.97	1.01	.97	15	.3490	.2253	+.	44	@423	
5	1.37	.55	6	1.95<	1.60	-.58	1.69	-.34	10	.7390	.4142	-.	44	@423	
5	1.37	.55	7	1.11	.13	.26	.57	.46	46	.6453	.2972	-.93	44	@423	
6	1.95<	1.60	1	1.13	.51	.82	1.67	.49	10	.6365	.1573	+.	44	@423	
6	1.95<	1.60	2	1.14	.35	.81	1.63	.49	8	.6349	.3883	+.	44	@423	
6	1.95<	1.60	3	.97	.43	.98	1.65	.59	9	.5686	.1736	+.	44	@423	
6	1.95<	1.60	4	.40	.84	1.55	1.81	.86	10	.4102	.1573	+.	44	@423	
6	1.95<	1.60	5	1.37	.55	.58	1.69	.34	10	.7390	.4142	+.	44	@423	
6	1.95<	1.60	7	1.11	.13	.84	1.60	.52	7	.6161	.1673	+.	44	@423	
7	1.11	.13	1	1.13	.51	-.02	.53	-.05	41	.9642	.7481	-.69	44	@423	
7	1.11	.13	2	1.14	.35	-.03	.38	-.09	123	.9294	.1852	.16	44	@423	
7	1.11	.13	3	.97	.43	.14	.45	.31	64	.7592	.8400	1.02	44	@423	
7	1.11	.13	4	.40	.84	.71	.85	.83	8	.4292	.6503	1.70	44	@423	
7	1.11	.13	5	1.37	.55	-.26	.57	-.46	46	.6453	.2972	.93	44	@423	
7	1.11	.13	6	1.95<	1.60	-.84	1.60	-.52	7	.6161	.1673	-.	44	@423	
1	-.38	.40	2	-.17	.26	-.21	.48	-.45	60	.6570	.9174	.19	45	@424	
1	-.38	.40	3	.11	.35	-.49	.53	-.92	59	.3611	.0624	.69	45	@424	
1	-.38	.40	4	-.24	.77	-.14	.87	-.16	13	.8746	.0896	-.	45	@424	
1	-.38	.40	5	-.04	.39	-.35	.56	-.62	55	.5379	.4305	-.	45	@424	
1	-.38	.40	6	.86	1.08	-1.24	1.15	-1.08	10	.3070	.3173	-.	45	@424	
1	-.38	.40	7	-.27	.11	-.12	.42	-.28	42	.7784	.6415	-.19	45	@424	
2	-.17	.26	1	-.38	.40	.21	.48	.45	60	.6570	.9174	-.19	45	@424	
2	-.17	.26	3	.11	.35	-.28	.44	-.63	88	.5290	.9863	.00	45	@424	
2	-.17	.26	4	-.24	.77	.07	.82	.09	10	.9290	.9746	+.	45	@424	
2	-.17	.26	5	-.04	.39	-.13	.47	-.28	69	.7775	.2986	.00	45	@424	
2	-.17	.26	6	.86	1.08	-1.03	1.11	-.92	9	.3799	.5891	-.	45	@424	
2	-.17	.26	7	-.27	.11	.10	.29	.34	132	.7372	.4472	-.52	45	@424	
3	.11	.35	1	-.38	.40	.49	.53	.92	59	.3611	.0624	-.69	45	@424	
3	.11	.35	2	-.17	.26	.28	.44	.63	88	.5290	.9863	.00	45	@424	
3	.11	.35	4	-.24	.77	.35	.85	.41	12	.6865	.5151	+.	45	@424	
3	.11	.35	5	-.04	.39	.14	.53	.27	65	.7874	.7897	.62	45	@424	
3	.11	.35	6	.86	1.08	-.75	1.14	-.66	10	.5234	.5094	.41	45	@424	
3	.11	.35	7	-.27	.11	.37	.37	1.01	65	.3141	.4203	-.04	45	@424	
4	-.24	.77	1	-.38	.40	.14	.87	.16	13	.8746	.0896	+.	45	@424	
4	-.24	.77	2	-.17	.26	-.07	.82	-.09	10	.9290	.9746	-.	45	@424	
4	-.24	.77	3	.11	.35	-.35	.85	-.41	12	.6865	.5151	-.	45	@424	
4	-.24	.77	5	-.04	.39	-.21	.87	-.24	12	.8139	.3173	-.	45	@424	
4	-.24	.77	6	.86	1.08	-1.10	1.33	-.83	11	.4247	.4795	+.	45	@424	
4	-.24	.77	7	-.27	.11	.02	.78	.03	7	.9787	.7502	-.	45	@424	
5	-.04	.39	1	-.38	.40	.35	.56	.62	55	.5379	.4305	+.	45	@424	
5	-.04	.39	2	-.17	.26	.13	.47	.28	69	.7775	.2986	.00	45	@424	
5	-.04	.39	3	.11	.35	-.14	.53	-.27	65	.7874	.7897	-.62	45	@424	
5	-.04	.39	4	-.24	.77	.21	.87	.24	12	.8139	.3173	+.	45	@424	
5	-.04	.39	6	.86	1.08	-.89	1.15	-.78	10	.4553	.7389	-.69	45	@424	
5	-.04	.39	7	-.27	.11	.23	.41	.56	49	.5756	.8505	-.58	45	@424	
6	.86	1.08	1	-.38	.40	1.24	1.15	1.08	10	.3070	.3173	+.	45	@424	
6	.86	1.08	2	-.17	.26	1.03	1.11	.92	9	.3799	.5891	+.	45	@424	
6	.86	1.08	3	.11	.35	.75	1.14	.66	10	.5234	.5094	-.41	45	@424	
6	.86	1.08	4	-.24	.77	1.10	1.33	.83	11	.4247	.4795	-.	45	@424	
6	.86	1.08	5	-.04	.39	.89	1.15	.78	10	.4553	.7389	.69	45	@424	
6	.86	1.08	7	-.27	.11	1.12	1.09	1.03	7	.3357	.4423	.00	45	@424	
7	-.27	.11	1	-.38	.40	.12	.42	.28	42	.7784	.6415	.19	45	@424	
7	-.27	.11	2	-.17	.26	-.10	.29	-.34	132	.7372	.4472	.52	45	@424	
7	-.27	.11	3	.11	.35	-.37	.37	-1.01	65	.3141	.4203	.04	45	@424	
7	-.27	.11	4	-.24	.77	-.02	.78	-.03	7	.9787	.7502	+.	45	@424	
7	-.27	.11	5	-.04	.39	-.23	.41	-.56	49	.5756	.8505	.58	45	@424	
7	-.27	.11	6	.86	1.08	-1.12	1.09	-1.03	7	.3357	.4423	.00	45	@424	

1	.27	.42	2	.12	.27	.16	.51	.31	60	.7568	.7664	.00	46	@426
1	.27	.42	3	1.16	.45	-.89	.62	-1.44	62	.1557	.9378	-.	46	@426
1	.27	.42	4	-.24	.77	.52	.88	.59	13	.5663	.3173	-.	46	@426
1	.27	.42	5	.65	.45	-.38	.62	-.61	55	.5423	.9558	-.	46	@426
1	.27	.42	6	-1.28	.78	1.55	.89	1.75	13	.1032	.0455	+.	46	@426
1	.27	.42	7	.24	.12	.03	.44	.07	41	.9409	.7610	-.26	46	@426
2	.12	.27	1	.27	.42	-.16	.51	-.31	60	.7568	.7664	.00	46	@426
2	.12	.27	3	1.16	.45	-1.05	.53	-1.99	81	.0504	.1686	-.03	46	@426
2	.12	.27	4	-.24	.77	.36	.82	.44	10	.6685	.8585	.00	46	@426
2	.12	.27	5	.65	.45	-.53	.52	-1.02	66	.3102	.5344	+.	46	@426
2	.12	.27	6	-1.28	.78	1.39	.82	1.69	10	.1213	.0922	+.	46	@426
2	.12	.27	7	.24	.12	-.12	.30	-.42	131	.6764	.8360	-.52	46	@426
3	1.16	.45	1	.27	.42	.89	.62	1.44	62	.1557	.9378	+.	46	@426
3	1.16	.45	2	.12	.27	1.05	.53	1.99	81	.0504	.1686	.03	46	@426
3	1.16	.45	4	-.24	.77	1.41	.89	1.57	14	.1376	.9126	+.	46	@426
3	1.16	.45	5	.65	.45	.51	.63	.81	67	.4214	.3869	-.	46	@426
3	1.16	.45	6	-1.28	.78	2.44	.90	2.72	14	.0166	.0069	+.	46	@426
3	1.16	.45	7	.24	.12	.92	.46	1.98	59	.0519	.0473	.11	46	@426
4	-.24	.77	1	.27	.42	-.52	.88	-.59	13	.5663	.3173	+.	46	@426
4	-.24	.77	2	.12	.27	-.36	.82	-.44	10	.6685	.8585	.00	46	@426
4	-.24	.77	3	1.16	.45	-1.41	.89	-1.57	14	.1376	.9126	-.	46	@426
4	-.24	.77	5	.65	.45	-.90	.89	-1.00	13	.3333	.4795	-.	46	@426
4	-.24	.77	6	-1.28	.78	1.03	1.10	.94	11	.3661	.1573	+.	46	@426
4	-.24	.77	7	.24	.12	-.49	.78	-.62	7	.5536	.8641	-.15	46	@426
5	.65	.45	1	.27	.42	.38	.62	.61	55	.5423	.9558	+.	46	@426
5	.65	.45	2	.12	.27	.53	.52	1.02	66	.3102	.5344	-.	46	@426
5	.65	.45	3	1.16	.45	-.51	.63	-.81	67	.4214	.3869	+.	46	@426
5	.65	.45	4	-.24	.77	.90	.89	1.00	13	.3333	.4795	+.	46	@426
5	.65	.45	6	-1.28	.78	1.93	.90	2.15	13	.0506	.0295	+.	46	@426
5	.65	.45	7	.24	.12	.41	.46	.89	47	.3771	.2313	.13	46	@426
6	-1.28	.78	1	.27	.42	-1.55	.89	-1.75	13	.1032	.0455	-.	46	@426
6	-1.28	.78	2	.12	.27	-1.39	.82	-1.69	10	.1213	.0922	-.	46	@426
6	-1.28	.78	3	1.16	.45	-2.44	.90	-2.72	14	.0166	.0069	-.	46	@426
6	-1.28	.78	4	-.24	.77	-1.03	1.10	-.94	11	.3661	.1573	-.	46	@426
6	-1.28	.78	5	.65	.45	-1.93	.90	-2.15	13	.0506	.0295	-.	46	@426
6	-1.28	.78	7	.24	.12	-1.52	.79	-1.93	7	.0944	.0764	-.	46	@426
7	.24	.12	1	.27	.42	-.03	.44	-.07	41	.9409	.7610	.26	46	@426
7	.24	.12	2	.12	.27	.12	.30	.42	131	.6764	.8360	.52	46	@426
7	.24	.12	3	1.16	.45	-.92	.46	-1.98	59	.0519	.0473	-.11	46	@426
7	.24	.12	4	-.24	.77	.49	.78	.62	7	.5536	.8641	.15	46	@426
7	.24	.12	5	.65	.45	-.41	.46	-.89	47	.3771	.2313	-.13	46	@426
7	.24	.12	6	-1.28	.78	1.52	.79	1.93	7	.0944	.0764	+.	46	@426
1	.12	.42	2	.04	.27	.08	.50	.16	60	.8759	.9751	-1.10	47	@431
1	.12	.42	3	-.01	.34	.13	.54	.25	59	.8039	.4020	-.69	47	@431
1	.12	.42	4	-.83	.77	.95	.88	1.09	13	.2964	.3035	+.	47	@431
1	.12	.42	5	.12	.40	.00	.58	.00	55	1.000	.7032	-.	47	@431
1	.12	.42	6	.86	1.08	-.74	1.16	-.64	11	.5381	.4142	-.	47	@431
1	.12	.42	7	.16	.12	-.04	.43	-.09	42	.9252	.6404	-1.06	47	@431
2	.04	.27	1	.12	.42	-.08	.50	-.16	60	.8759	.9751	1.10	47	@431
2	.04	.27	3	-.01	.34	.06	.44	.13	89	.8972	.3046	.10	47	@431
2	.04	.27	4	-.83	.77	.88	.82	1.07	10	.3094	.5520	+.	47	@431
2	.04	.27	5	.12	.40	-.08	.48	-.16	69	.8727	.8774	.15	47	@431
2	.04	.27	6	.86	1.08	-.82	1.12	-.73	9	.4839	.1514	-.	47	@431
2	.04	.27	7	.16	.12	-.12	.29	-.40	131	.6874	.8772	-.25	47	@431
3	-.01	.34	1	.12	.42	-.13	.54	-.25	59	.8039	.4020	.69	47	@431
3	-.01	.34	2	.04	.27	-.06	.44	-.13	89	.8972	.3046	-.10	47	@431
3	-.01	.34	4	-.83	.77	.82	.85	.97	12	.3512	.0562	+.	47	@431
3	-.01	.34	5	.12	.40	-.13	.53	-.25	65	.7998	.1367	1.10	47	@431
3	-.01	.34	6	.86	1.08	-.87	1.14	-.77	10	.4607	.5094	.41	47	@431
3	-.01	.34	7	.16	.12	-.18	.36	-.48	66	.6300	.7779	-.09	47	@431
4	-.83	.77	1	.12	.42	-.95	.88	-1.09	13	.2964	.3035	-.	47	@431
4	-.83	.77	2	.04	.27	-.88	.82	-1.07	10	.3094	.5520	-.	47	@431
4	-.83	.77	3	-.01	.34	-.82	.85	-.97	12	.3512	.0562	-.	47	@431
4	-.83	.77	5	.12	.40	-.95	.87	-1.10	13	.2928	.7901	-.	47	@431
4	-.83	.77	6	.86	1.08	-1.69	1.33	-1.27	11	.2297	.2253	-.	47	@431
4	-.83	.77	7	.16	.12	-1.00	.78	-1.27	7	.2433	.0653	-.	47	@431
5	.12	.40	1	.12	.42	.00	.58	.00	55	1.000	.7032	+.	47	@431
5	.12	.40	2	.04	.27	.08	.48	.16	69	.8727	.8774	-.15	47	@431
5	.12	.40	3	-.01	.34	.13	.53	.25	65	.7998	.1367	-1.10	47	@431
5	.12	.40	4	-.83	.77	.95	.87	1.10	13	.2928	.7901	+.	47	@431
5	.12	.40	6	.86	1.08	-.74	1.15	-.64	10	.5376	.7728	+.	47	@431
5	.12	.40	7	.16	.12	-.04	.42	-.10	49	.9225	.8031	.50	47	@431
6	.86	1.08	1	.12	.42	.74	1.16	.64	11	.5381	.4142	+.	47	@431
6	.86	1.08	2	.04	.27	.82	1.12	.73	9	.4839	.1514	+.	47	@431
6	.86	1.08	3	-.01	.34	.87	1.14	.77	10	.4607	.5094	-.41	47	@431
6	.86	1.08	4	-.83	.77	1.69	1.33	1.27	11	.2297	.2253	+.	47	@431

6	.86	1.08	5	.12	.40	.74	1.15	.64	10	.5376	.7728	-.	47	@431
6	.86	1.08	7	.16	.12	.70	1.09	.64	7	.5428	.5557	-1.25	47	@431
7	.16	.12	1	.12	.42	.04	.43	.09	42	.9252	.6404	1.06	47	@431
7	.16	.12	2	.04	.27	.12	.29	.40	131	.6874	.8772	.25	47	@431
7	.16	.12	3	-.01	.34	.18	.36	.48	66	.6300	.7779	.09	47	@431
7	.16	.12	4	-.83	.77	1.00	.78	1.27	7	.2433	.0653	+.	47	@431
7	.16	.12	5	.12	.40	.04	.42	.10	49	.9225	.8031	-.50	47	@431
7	.16	.12	6	.86	1.08	-.70	1.09	-.64	7	.5428	.5557	1.25	47	@431
1	-.06	.41	2	.12	.27	-.17	.49	-.35	61	.7270	.5020	.69	48	@435
1	-.06	.41	3	.11	.35	-.16	.54	-.30	59	.7647	.7821	-.	48	@435
1	-.06	.41	4	-.24	.77	.19	.87	.22	13	.8323	.8084	+.	48	@435
1	-.06	.41	5	.12	.40	-.18	.57	-.31	55	.7589	.2260	-.	48	@435
1	-.06	.41	6	-.03	.85	-.02	.94	-.02	12	.9822	.3173	+.	48	@435
1	-.06	.41	7	.45	.12	-.50	.43	-1.18	42	.2449	.2377	-.49	48	@435
2	.12	.27	1	-.06	.41	.17	.49	.35	61	.7270	.5020	-.69	48	@435
2	.12	.27	3	.11	.35	.01	.44	.02	89	.9803	.8412	1.08	48	@435
2	.12	.27	4	-.24	.77	.36	.82	.44	10	.6685	.9479	-.	48	@435
2	.12	.27	5	.12	.40	.00	.49	-.01	70	.9934	.8247	1.00	48	@435
2	.12	.27	6	-.03	.85	.15	.89	.17	10	.8686	.5157	1.10	48	@435
2	.12	.27	7	.45	.12	-.33	.30	-1.11	132	.2710	.3829	-.42	48	@435
3	.11	.35	1	-.06	.41	.16	.54	.30	59	.7647	.7821	+.	48	@435
3	.11	.35	2	.12	.27	-.01	.44	-.02	89	.9803	.8412	-1.08	48	@435
3	.11	.35	4	-.24	.77	.35	.85	.41	12	.6865	.7385	+.	48	@435
3	.11	.35	5	.12	.40	-.02	.53	-.03	65	.9776	.3039	.10	48	@435
3	.11	.35	6	-.03	.85	.14	.92	.15	11	.8812	.9349	.41	48	@435
3	.11	.35	7	.45	.12	-.34	.37	-.92	67	.3585	.5588	-.79	48	@435
4	-.24	.77	1	-.06	.41	-.19	.87	-.22	13	.8323	.8084	-.	48	@435
4	-.24	.77	2	.12	.27	-.36	.82	-.44	10	.6685	.9479	+.	48	@435
4	-.24	.77	3	.11	.35	-.35	.85	-.41	12	.6865	.7385	-.	48	@435
4	-.24	.77	5	.12	.40	-.37	.87	-.42	13	.6813	.9183	+.	48	@435
4	-.24	.77	6	-.03	.85	-.21	1.15	-.18	11	.8578	.8084	-.	48	@435
4	-.24	.77	7	.45	.12	-.69	.78	-.88	7	.4058	.3599	-.	48	@435
5	.12	.40	1	-.06	.41	.18	.57	.31	55	.7589	.2260	+.	48	@435
5	.12	.40	2	.12	.27	.00	.49	.01	70	.9934	.8247	-1.00	48	@435
5	.12	.40	3	.11	.35	.02	.53	.03	65	.9776	.3039	-.10	48	@435
5	.12	.40	4	-.24	.77	.37	.87	.42	13	.6813	.9183	-.	48	@435
5	.12	.40	6	-.03	.85	.16	.94	.17	12	.8713	.3017	.69	48	@435
5	.12	.40	7	.45	.12	-.33	.42	-.78	49	.4396	.7314	-.80	48	@435
6	-.03	.85	1	-.06	.41	.02	.94	.02	12	.9822	.3173	-.	48	@435
6	-.03	.85	2	.12	.27	-.15	.89	-.17	10	.8686	.5157	-1.10	48	@435
6	-.03	.85	3	.11	.35	-.14	.92	-.15	11	.8812	.9349	-.41	48	@435
6	-.03	.85	4	-.24	.77	.21	1.15	.18	11	.8578	.8084	+.	48	@435
6	-.03	.85	5	.12	.40	-.16	.94	-.17	12	.8713	.3017	-.69	48	@435
6	-.03	.85	7	.45	.12	-.48	.86	-.56	7	.5918	.5585	-1.31	48	@435
7	.45	.12	1	-.06	.41	.50	.43	1.18	42	.2449	.2377	.49	48	@435
7	.45	.12	2	.12	.27	.33	.30	1.11	132	.2710	.3829	.42	48	@435
7	.45	.12	3	.11	.35	.34	.37	.92	67	.3585	.5588	.79	48	@435
7	.45	.12	4	-.24	.77	.69	.78	.88	7	.4058	.3599	+.	48	@435
7	.45	.12	5	.12	.40	.33	.42	.78	49	.4396	.7314	.80	48	@435
7	.45	.12	6	-.03	.85	.48	.86	.56	7	.5918	.5585	1.31	48	@435
1	.48	.44	2	.35	.29	.12	.52	.24	61	.8124	.8585	.00	49	@436
1	.48	.44	3	.23	.36	.25	.56	.44	58	.6642	.9360	.00	49	@436
1	.48	.44	4	2.28<	1.48	-1.80	1.55	-1.16	9	.2744	.2253	-.	49	@436
1	.48	.44	5	-.19	.39	.66	.58	1.14	55	.2599	.4427	.69	49	@436
1	.48	.44	6	-.68	.78	1.16	.89	1.30	13	.2158	.6171	+.	49	@436
1	.48	.44	7	.87	.13	-.39	.46	-.85	43	.3979	.5195	-.74	49	@436
2	.35	.29	1	.48	.44	-.12	.52	-.24	61	.8124	.8585	.00	49	@436
2	.35	.29	3	.23	.36	.12	.46	.27	90	.7910	.5091	.84	49	@436
2	.35	.29	4	2.28<	1.48	-1.92	1.51	-1.27	8	.2384	.2367	-.	49	@436
2	.35	.29	5	-.19	.39	.54	.48	1.12	73	.2653	.3151	.06	49	@436
2	.35	.29	6	-.68	.78	1.03	.83	1.25	11	.2371	.2958	+.	49	@436
2	.35	.29	7	.87	.13	-.51	.31	-1.64	134	.1033	.6612	-.65	49	@436
3	.23	.36	1	.48	.44	-.25	.56	-.44	58	.6642	.9360	.00	49	@436
3	.23	.36	2	.35	.29	-.12	.46	-.27	90	.7910	.5091	-.84	49	@436
3	.23	.36	4	2.28<	1.48	-2.05	1.53	-1.34	9	.2127	.1036	-.	49	@436
3	.23	.36	5	-.19	.39	.42	.53	.80	66	.4291	.6680	-.69	49	@436
3	.23	.36	6	-.68	.78	.91	.85	1.07	12	.3061	.4193	-.41	49	@436
3	.23	.36	7	.87	.13	-.64	.38	-1.68	68	.0976	.1683	-1.41	49	@436
4	2.28<	1.48	1	.48	.44	1.80	1.55	1.16	9	.2744	.2253	+.	49	@436
4	2.28<	1.48	2	.35	.29	1.92	1.51	1.27	8	.2384	.2367	+.	49	@436
4	2.28<	1.48	3	.23	.36	2.05	1.53	1.34	9	.2127	.1036	+.	49	@436
4	2.28<	1.48	5	-.19	.39	2.46	1.53	1.61	9	.1424	.1336	+.	49	@436
4	2.28<	1.48	6	-.68	.78	2.96	1.67	1.77	10	.1076	.2253	+.	49	@436
4	2.28<	1.48	7	.87	.13	1.41	1.49	.95	7	.3748	.2346	+.	49	@436
5	-.19	.39	1	.48	.44	-.66	.58	-1.14	55	.2599	.4427	-.69	49	@436
5	-.19	.39	2	.35	.29	-.54	.48	-1.12	73	.2653	.3151	-.06	49	@436

5	-.19	.39	3	.23	.36	-.42	.53	-.80	66	.4291	.6680	.69	49	@436	
5	-.19	.39	4	2.28<	1.48	-2.46	1.53	-1.61	9	.1424	.1336	-.	49	@436	
5	-.19	.39	6	-.68	.78	.50	.87	.57	12	.5783	.4126	+.	49	@436	
5	-.19	.39	7	.87	.13	-1.05	.41	-2.59	52	.0123	.0123	-1.63	49	@436	
6	-.68	.78	1	.48	.44	-1.16	.89	-1.30	13	.2158	.6171	-.	49	@436	
6	-.68	.78	2	.35	.29	-1.03	.83	-1.25	11	.2371	.2958	-.	49	@436	
6	-.68	.78	3	.23	.36	-.91	.85	-1.07	12	.3061	.4193	.41	49	@436	
6	-.68	.78	4	2.28<	1.48	-2.96	1.67	-1.77	10	.1076	.2253	-.	49	@436	
6	-.68	.78	5	-.19	.39	-.50	.87	-.57	12	.5783	.4126	-.	49	@436	
6	-.68	.78	7	.87	.13	-1.55	.79	-1.97	8	.0845	.0940	-2.08	49	@436	
7	.87	.13	1	.48	.44	.39	.46	.85	43	.3979	.5195	.74	49	@436	
7	.87	.13	2	.35	.29	.51	.31	1.64	134	.1033	.6612	.65	49	@436	
7	.87	.13	3	.23	.36	.64	.38	1.68	68	.0976	.1683	1.41	49	@436	
7	.87	.13	4	2.28<	1.48	-1.41	1.49	-.95	7	.3748	.2346	-.	49	@436	
7	.87	.13	5	-.19	.39	1.05	.41	2.59	52	.0123	.0123	1.63	49	@436	
7	.87	.13	6	-.68	.78	1.55	.79	1.97	8	.0845	.0940	2.08	49	@436	
1	2.21	.70	2	-.17	.26	2.38	.75	3.17	46	.0027	.0072	+.	50	@438	
1	2.21	.70	3	-.24	.34	2.45	.78	3.15	49	.0028	.0476	+.	50	@438	
1	2.21	.70	4	.40	.84	1.81	1.10	1.65	17	.1179	.2253	+.	50	@438	
1	2.21	.70	5	.12	.40	2.09	.81	2.58	50	.0129	.0065	+.	50	@438	
1	2.21	.70	6	-.03	.85	2.24	1.10	2.04	17	.0577	.1573	+.	50	@438	
1	2.21	.70	7	.76	.12	1.45	.71	2.03	35	.0495	.0285	.41	50	@438	
2	-.17	.26	1	2.21	.70	-2.38	.75	-3.17	46	.0027	.0072	-.	50	@438	
2	-.17	.26	3	-.24	.34	.07	.43	.17	89	.8636	.9914	-.17	50	@438	
2	-.17	.26	4	.40	.84	-.57	.88	-.64	10	.5354	.4959	.00	50	@438	
2	-.17	.26	5	.12	.40	-.29	.48	-.61	68	.5457	.5460	-1.39	50	@438	
2	-.17	.26	6	-.03	.85	-.14	.89	-.15	10	.8814	.8473	+.	50	@438	
2	-.17	.26	7	.76	.12	-.93	.29	-3.18	139	.0018	.1418	-1.09	50	@438	
3	-.24	.34	1	2.21	.70	-2.45	.78	-3.15	49	.0028	.0476	-.	50	@438	
3	-.24	.34	2	-.17	.26	-.07	.43	-.17	89	.8636	.9914	.17	50	@438	
3	-.24	.34	4	.40	.84	-.64	.91	-.71	11	.4951	.9484	+.	50	@438	
3	-.24	.34	5	.12	.40	-.36	.52	-.70	65	.4880	.5756	.16	50	@438	
3	-.24	.34	6	-.03	.85	-.21	.91	-.23	11	.8227	.5618	+.	50	@438	
3	-.24	.34	7	.76	.12	-1.00	.36	-2.79	70	.0067	.0391	-.77	50	@438	
4	.40	.84	1	2.21	.70	-1.81	1.10	-1.65	17	.1179	.2253	-.	50	@438	
4	.40	.84	2	-.17	.26	.57	.88	.64	10	.5354	.4959	.00	50	@438	
4	.40	.84	3	-.24	.34	.64	.91	.71	11	.4951	.9484	-.	50	@438	
4	.40	.84	5	.12	.40	.28	.94	.30	12	.7723	.7532	-.	50	@438	
4	.40	.84	6	-.03	.85	.43	1.20	.36	11	.7250	.8084	-.	50	@438	
4	.40	.84	7	.76	.12	-.36	.85	-.42	7	.6883	.9669	-.81	50	@438	
5	.12	.40	1	2.21	.70	-2.09	.81	-2.58	50	.0129	.0065	-.	50	@438	
5	.12	.40	2	-.17	.26	.29	.48	.61	68	.5457	.5460	1.39	50	@438	
5	.12	.40	3	-.24	.34	.36	.52	.70	65	.4880	.5756	-.16	50	@438	
5	.12	.40	4	.40	.84	-.28	.94	-.30	12	.7723	.7532	+.	50	@438	
5	.12	.40	6	-.03	.85	.16	.94	.17	12	.8713	.2640	-.	50	@438	
5	.12	.40	7	.76	.12	-.63	.42	-1.51	51	.1372	.2099	-1.03	50	@438	
6	-.03	.85	1	2.21	.70	-2.24	1.10	-2.04	17	.0577	.1573	-.	50	@438	
6	-.03	.85	2	-.17	.26	.14	.89	.15	10	.8814	.8473	-.	50	@438	
6	-.03	.85	3	-.24	.34	.21	.91	.23	11	.8227	.5618	-.	50	@438	
6	-.03	.85	4	.40	.84	-.43	1.20	-.36	11	.7250	.8084	+.	50	@438	
6	-.03	.85	5	.12	.40	-.16	.94	-.17	12	.8713	.2640	+.	50	@438	
6	-.03	.85	7	.76	.12	-.79	.86	-.92	7	.3877	.5148	-.	50	@438	
7	.76	.12	1	2.21	.70	-1.45	.71	-2.03	35	.0495	.0285	-.41	50	@438	
7	.76	.12	2	-.17	.26	.93	.29	3.18	139	.0018	.1418	1.09	50	@438	
7	.76	.12	3	-.24	.34	1.00	.36	2.79	70	.0067	.0391	.77	50	@438	
7	.76	.12	4	.40	.84	.36	.85	.42	7	.6883	.9669	.81	50	@438	
7	.76	.12	5	.12	.40	.63	.42	1.51	51	.1372	.2099	1.03	50	@438	
7	.76	.12	6	-.03	.85	.79	.86	.92	7	.3877	.5148	+.	50	@438	
1	.48	.44	2	-.89	.25	1.37	.51	2.70	57	.0090	.3140	-.69	51	@439	
1	.48	.44	3	-.25	.34	.73	.55	1.32	57	.1920	.2666	-1.10	51	@439	
1	.48	.44	4	-1.48	.84	1.95	.95	2.06	13	.0605	.8084	+.	51	@439	
1	.48	.44	5	.12	.40	.36	.59	.60	55	.5517	.6578	.69	51	@439	
1	.48	.44	6	-.68	.78	1.16	.89	1.30	13	.2161	.4142	-.	51	@439	
1	.48	.44	7	-.18	.11	.65	.45	1.44	41	.1561	.1850	-.17	51	@439	
2	-.89	.25	1	.48	.44	-1.37	.51	-2.70	57	.0090	.3140	.69	51	@439	
2	-.89	.25	3	-.25	.34	-.64	.42	-1.52	88	.1316	.5460	-.75	51	@439	
2	-.89	.25	4	-1.48	.84	.59	.88	.67	10	.5207	.6445	+.	51	@439	
2	-.89	.25	5	.12	.40	-1.01	.47	-2.13	67	.0366	.1839	-.45	51	@439	
2	-.89	.25	6	-.68	.78	-.21	.82	-.25	10	.8040	.7031	.00	51	@439	
2	-.89	.25	7	-.18	.11	-.71	.28	-2.57	135	.0112	.1222	-.43	51	@439	
3	-.25	.34	1	.48	.44	-.73	.55	-1.32	57	.1920	.2666	1.10	51	@439	
3	-.25	.34	2	-.89	.25	.64	.42	1.52	88	.1316	.5460	.75	51	@439	
3	-.25	.34	4	-1.48	.84	1.23	.91	1.35	11	.2040	.5860	+.	51	@439	
3	-.25	.34	5	.12	.40	-.37	.52	-.71	65	.4790	.2134	-.16	51	@439	
3	-.25	.34	6	-.68	.78	.43	.85	.51	11	.6202	.9142	-.	51	@439	
3	-.25	.34	7	-.18	.11	-.07	.35	-.21	67	.8334	.9093	.22	51	@439	

4	-1.48	.84	1	.48	.44	-1.95	.95	-2.06	13	.0605	.8084	-.	51	@439
4	-1.48	.84	2	-.89	.25	-.59	.88	-.67	10	.5207	.6445	-.	51	@439
4	-1.48	.84	3	-.25	.34	-1.23	.91	-1.35	11	.2040	.5860	-.	51	@439
4	-1.48	.84	5	.12	.40	-1.60	.93	-1.71	12	.1128	.0918	-.	51	@439
4	-1.48	.84	6	-.68	.78	-.79	1.15	-.69	11	.5027	.3173	+.	51	@439
4	-1.48	.84	7	-.18	.11	-1.30	.85	-1.53	7	.1704	.3978	-.	51	@439
5	.12	.40	1	.48	.44	-.36	.59	-.60	55	.5517	.6578	-.69	51	@439
5	.12	.40	2	-.89	.25	1.01	.47	2.13	67	.0366	.1839	.45	51	@439
5	.12	.40	3	-.25	.34	.37	.52	.71	65	.4790	.2134	.16	51	@439
5	.12	.40	4	-1.48	.84	1.60	.93	1.71	12	.1128	.0918	+.	51	@439
5	.12	.40	6	-.68	.78	.80	.87	.92	13	.3747	.7255	-.	51	@439
5	.12	.40	7	-.18	.11	.30	.42	.71	49	.4787	.4203	-.30	51	@439
6	-.68	.78	1	.48	.44	-1.16	.89	-1.30	13	.2161	.4142	+.	51	@439
6	-.68	.78	2	-.89	.25	.21	.82	.25	10	.8040	.7031	.00	51	@439
6	-.68	.78	3	-.25	.34	-.43	.85	-.51	11	.6202	.9142	+.	51	@439
6	-.68	.78	4	-1.48	.84	.79	1.15	.69	11	.5027	.3173	-.	51	@439
6	-.68	.78	5	.12	.40	-.80	.87	-.92	13	.3747	.7255	+.	51	@439
6	-.68	.78	7	-.18	.11	-.51	.78	-.64	7	.5396	.6509	-1.39	51	@439
7	-.18	.11	1	.48	.44	-.65	.45	-1.44	41	.1561	.1850	.17	51	@439
7	-.18	.11	2	-.89	.25	.71	.28	2.57	135	.0112	.1222	.43	51	@439
7	-.18	.11	3	-.25	.34	.07	.35	.21	67	.8334	.9093	-.22	51	@439
7	-.18	.11	4	-1.48	.84	1.30	.85	1.53	7	.1704	.3978	+.	51	@439
7	-.18	.11	5	.12	.40	-.30	.42	-.71	49	.4787	.4203	.30	51	@439
7	-.18	.11	6	-.68	.78	.51	.78	.64	7	.5396	.6509	1.39	51	@439
1	.48	.44	2	.81	.32	-.33	.54	-.61	64	.5452	.6707	-.	52	@442
1	.48	.44	3	.80	.40	-.32	.60	-.54	60	.5889	.8222	1.10	52	@442
1	.48	.44	4	1.29	1.08	-.81	1.17	-.69	11	.5027	.3035	-.	52	@442
1	.48	.44	5	.46	.43	.01	.61	.02	55	.9811	.8592	-.	52	@442
1	.48	.44	6	-.03	.85	.51	.95	.54	12	.6022	.1573	-.	52	@442
1	.48	.44	7	.68	.12	-.21	.45	-.46	42	.6495	.8436	-.57	52	@442
2	.81	.32	1	.48	.44	.33	.54	.61	64	.5452	.6707	+.	52	@442
2	.81	.32	3	.80	.40	.01	.52	.01	89	.9913	.9204	+.	52	@442
2	.81	.32	4	1.29	1.08	-.48	1.13	-.42	9	.6810	.9219	-.	52	@442
2	.81	.32	5	.46	.43	.34	.53	.65	73	.5207	.3290	.00	52	@442
2	.81	.32	6	-.03	.85	.84	.91	.93	11	.3736	.0177	+.	52	@442
2	.81	.32	7	.68	.12	.12	.34	.36	124	.7232	.5993	.07	52	@442
3	.80	.40	1	.48	.44	.32	.60	.54	60	.5889	.8222	-1.10	52	@442
3	.80	.40	2	.81	.32	-.01	.52	-.01	89	.9913	.9204	-.	52	@442
3	.80	.40	4	1.29	1.08	-.48	1.16	-.42	11	.6828	.8201	-.	52	@442
3	.80	.40	5	.46	.43	.34	.59	.58	66	.5670	.8602	+.	52	@442
3	.80	.40	6	-.03	.85	.83	.94	.89	12	.3918	.6886	+.	52	@442
3	.80	.40	7	.68	.12	.12	.42	.27	63	.7850	.4514	-1.11	52	@442
4	1.29	1.08	1	.48	.44	.81	1.17	.69	11	.5027	.3035	+.	52	@442
4	1.29	1.08	2	.81	.32	.48	1.13	.42	9	.6810	.9219	+.	52	@442
4	1.29	1.08	3	.80	.40	.48	1.16	.42	11	.6828	.8201	+.	52	@442
4	1.29	1.08	5	.46	.43	.82	1.16	.71	11	.4938	.8084	+.	52	@442
4	1.29	1.08	6	-.03	.85	1.32	1.37	.96	11	.3577	.3173	+.	52	@442
4	1.29	1.08	7	.68	.12	.60	1.09	.55	7	.5983	.4195	+.	52	@442
5	.46	.43	1	.48	.44	-.01	.61	-.02	55	.9811	.8592	+.	52	@442
5	.46	.43	2	.81	.32	-.34	.53	-.65	73	.5207	.3290	.00	52	@442
5	.46	.43	3	.80	.40	-.34	.59	-.58	66	.5670	.8602	-.	52	@442
5	.46	.43	4	1.29	1.08	-.82	1.16	-.71	11	.4938	.8084	-.	52	@442
5	.46	.43	6	-.03	.85	.50	.95	.52	12	.6106			52	@442
5	.46	.43	7	.68	.12	-.22	.44	-.50	49	.6185	.9826	-.23	52	@442
6	-.03	.85	1	.48	.44	-.51	.95	-.54	12	.6022	.1573	+.	52	@442
6	-.03	.85	2	.81	.32	-.84	.91	-.93	11	.3736	.0177	-.	52	@442
6	-.03	.85	3	.80	.40	-.83	.94	-.89	12	.3918	.6886	-.	52	@442
6	-.03	.85	4	1.29	1.08	-1.32	1.37	-.96	11	.3577	.3173	-.	52	@442
6	-.03	.85	5	.46	.43	-.50	.95	-.52	12	.6106			52	@442
6	-.03	.85	7	.68	.12	-.72	.86	-.84	7	.4292	.7681	-.	52	@442
7	.68	.12	1	.48	.44	.21	.45	.46	42	.6495	.8436	.57	52	@442
7	.68	.12	2	.81	.32	-.12	.34	-.36	124	.7232	.5993	-.07	52	@442
7	.68	.12	3	.80	.40	-.12	.42	-.27	63	.7850	.4514	1.11	52	@442
7	.68	.12	4	1.29	1.08	-.60	1.09	-.55	7	.5983	.4195	-.	52	@442
7	.68	.12	5	.46	.43	.22	.44	.50	49	.6185	.9826	.23	52	@442
7	.68	.12	6	-.03	.85	.72	.86	.84	7	.4292	.7681	+.	52	@442
1	2.22	.73	2	.71	.31	1.51	.80	1.90	49	.0637	.1109	+.	53	@443
1	2.22	.73	3	.80	.40	1.42	.84	1.69	51	.0968	.2807	+.	53	@443
1	2.22	.73	4	1.29	1.09	.93	1.31	.71	15	.4888	.4795	+.	53	@443
1	2.22	.73	5	1.71	.62	.51	.96	.53	54	.6002	.6949	-.	53	@443
1	2.22	.73	6	.86	1.09	1.35	1.31	1.03	15	.3194	.4795	+.	53	@443
1	2.22	.73	7	1.08	.13	1.13	.74	1.52	36	.1371	.1521	-1.87	53	@443
2	.71	.31	1	2.22	.73	-1.51	.80	-1.90	49	.0637	.1109	-.	53	@443
2	.71	.31	3	.80	.40	-.09	.51	-.18	89	.8547	.3591	.00	53	@443
2	.71	.31	4	1.29	1.09	-.58	1.13	-.51	9	.6199	.6419	-.	53	@443
2	.71	.31	5	1.71	.62	-1.00	.69	-1.45	60	.1524	.1367	-.	53	@443

2	.71	.31	6	.86	1.09	-.16	1.14	-.14	9	.8944	.2649	-.	53	@443
2	.71	.31	7	1.08	.13	-.38	.34	-1.12	131	.2665	.5886	-1.07	53	@443
3	.80	.40	1	2.22	.73	-1.42	.84	-1.69	51	.0968	.2807	-.	53	@443
3	.80	.40	2	.71	.31	.09	.51	.18	89	.8547	.3591	.00	53	@443
3	.80	.40	4	1.29	1.09	-.49	1.16	-.42	11	.6828	.3173	-.	53	@443
3	.80	.40	5	1.71	.62	-.91	.74	-1.23	61	.2231	.4176	-.	53	@443
3	.80	.40	6	.86	1.09	-.06	1.16	-.05	11	.9589	.7505	+.	53	@443
3	.80	.40	7	1.08	.13	-.28	.43	-.67	66	.5077	.3962	-1.41	53	@443
4	1.29	1.09	1	2.22	.73	-.93	1.31	-.71	15	.4888	.4795	-.	53	@443
4	1.29	1.09	2	.71	.31	.58	1.13	.51	9	.6199	.6419	+.	53	@443
4	1.29	1.09	3	.80	.40	.49	1.16	.42	11	.6828	.3173	+.	53	@443
4	1.29	1.09	5	1.71	.62	-.42	1.25	-.34	13	.7399	.4795	-.	53	@443
4	1.29	1.09	6	.86	1.09	.42	1.54	.28	11	.7877	.4795	+.	53	@443
4	1.29	1.09	7	1.08	.13	.20	1.09	.18	7	.8585	.7496	-1.20	53	@443
5	1.71	.62	1	2.22	.73	-.51	.96	-.53	54	.6002	.6949	+.	53	@443
5	1.71	.62	2	.71	.31	1.00	.69	1.45	60	.1524	.1367	+.	53	@443
5	1.71	.62	3	.80	.40	.91	.74	1.23	61	.2231	.4176	+.	53	@443
5	1.71	.62	4	1.29	1.09	.42	1.25	.34	13	.7399	.4795	+.	53	@443
5	1.71	.62	6	.86	1.09	.85	1.25	.68	13	.5108	.2207	+.	53	@443
5	1.71	.62	7	1.08	.13	.63	.63	.99	44	.3279	.3319	+.	53	@443
6	.86	1.09	1	2.22	.73	-1.35	1.31	-1.03	15	.3194	.4795	-.	53	@443
6	.86	1.09	2	.71	.31	.16	1.14	.14	9	.8944	.2649	+.	53	@443
6	.86	1.09	3	.80	.40	.06	1.16	.05	11	.9589	.7505	-.	53	@443
6	.86	1.09	4	1.29	1.09	-.42	1.54	-.28	11	.7877	.4795	-.	53	@443
6	.86	1.09	5	1.71	.62	-.85	1.25	-.68	13	.5108	.2207	-.	53	@443
6	.86	1.09	7	1.08	.13	-.22	1.10	-.20	7	.8454	.8866	-2.08	53	@443
7	1.08	.13	1	2.22	.73	-1.13	.74	-1.52	36	.1371	.1521	1.87	53	@443
7	1.08	.13	2	.71	.31	.38	.34	1.12	131	.2665	.5886	1.07	53	@443
7	1.08	.13	3	.80	.40	.28	.43	.67	66	.5077	.3962	1.41	53	@443
7	1.08	.13	4	1.29	1.09	-.20	1.09	-.18	7	.8585	.7496	1.20	53	@443
7	1.08	.13	5	1.71	.62	-.63	.63	-.99	44	.3279	.3319	-.	53	@443
7	1.08	.13	6	.86	1.09	.22	1.10	.20	7	.8454	.8866	2.08	53	@443
1	-.71	.41	2	-.10	.27	-.61	.48	-1.26	60	.2124	.1421	-.	54	@445
1	-.71	.41	3	-.35	.33	-.36	.52	-.68	58	.4994	.2358	-.	54	@445
1	-.71	.41	4	-1.48	.84	.77	.93	.82	12	.4276	1.000	.000	54	@445
1	-.71	.41	5	.65	.45	-1.36	.60	-2.26	55	.0276	.0119	-.	54	@445
1	-.71	.41	6	-1.28	.78	.57	.88	.65	13	.5294	.6831	-.	54	@445
1	-.71	.41	7	.23	.12	-.94	.42	-2.23	42	.0314	.0467	-.59	54	@445
2	-.10	.27	1	-.71	.41	.61	.48	1.26	60	.2124	.1421	+.	54	@445
2	-.10	.27	3	-.35	.33	.25	.43	.60	90	.5512	.2872	.35	54	@445
2	-.10	.27	4	-1.48	.84	1.38	.88	1.56	10	.1488	.0290	+.	54	@445
2	-.10	.27	5	.65	.45	-.75	.52	-1.45	65	.1515	.0387	-.	54	@445
2	-.10	.27	6	-1.28	.78	1.18	.82	1.43	10	.1819	.0153	+.	54	@445
2	-.10	.27	7	.23	.12	-.33	.29	-1.14	133	.2581	.4444	-.57	54	@445
3	-.35	.33	1	-.71	.41	.36	.52	.68	58	.4994	.2358	+.	54	@445
3	-.35	.33	2	-.10	.27	-.25	.43	-.60	90	.5512	.2872	-.35	54	@445
3	-.35	.33	4	-1.48	.84	1.12	.90	1.24	11	.2397	.7163	+.	54	@445
3	-.35	.33	5	.65	.45	-1.01	.56	-1.81	63	.0749	.3141	-.	54	@445
3	-.35	.33	6	-1.28	.78	.92	.84	1.09	11	.2980	.1365	.41	54	@445
3	-.35	.33	7	.23	.12	-.58	.35	-1.66	68	.1025	.1983	-.54	54	@445
4	-1.48	.84	1	-.71	.41	-.77	.93	-.82	12	.4276	1.000	.000	54	@445
4	-1.48	.84	2	-.10	.27	-1.38	.88	-1.56	10	.1488	.0290	-.	54	@445
4	-1.48	.84	3	-.35	.33	-1.12	.90	-1.24	11	.2397	.7163	-.	54	@445
4	-1.48	.84	5	.65	.45	-2.13	.95	-2.24	13	.0431	.0896	-.	54	@445
4	-1.48	.84	6	-1.28	.78	-.20	1.14	-.17	11	.8651	.4795	-.	54	@445
4	-1.48	.84	7	.23	.12	-1.70	.85	-2.01	7	.0840	.0971	-.	54	@445
5	.65	.45	1	-.71	.41	1.36	.60	2.26	55	.0276	.0119	+.	54	@445
5	.65	.45	2	-.10	.27	.75	.52	1.45	65	.1515	.0387	+.	54	@445
5	.65	.45	3	-.35	.33	1.01	.56	1.81	63	.0749	.3141	+.	54	@445
5	.65	.45	4	-1.48	.84	2.13	.95	2.24	13	.0431	.0896	+.	54	@445
5	.65	.45	6	-1.28	.78	1.93	.90	2.16	13	.0505	.8864	-.	54	@445
5	.65	.45	7	.23	.12	.42	.46	.92	47	.3618	.2519	-.69	54	@445
6	-1.28	.78	1	-.71	.41	-.57	.88	-.65	13	.5294	.6831	+.	54	@445
6	-1.28	.78	2	-.10	.27	-1.18	.82	-1.43	10	.1819	.0153	-.	54	@445
6	-1.28	.78	3	-.35	.33	-.92	.84	-1.09	11	.2980	.1365	-.41	54	@445
6	-1.28	.78	4	-1.48	.84	.20	1.14	.17	11	.8651	.4795	+.	54	@445
6	-1.28	.78	5	.65	.45	-1.93	.90	-2.16	13	.0505	.8864	+.	54	@445
6	-1.28	.78	7	.23	.12	-1.51	.79	-1.92	7	.0967	.0187	-.96	54	@445
7	.23	.12	1	-.71	.41	.94	.42	2.23	42	.0314	.0467	.59	54	@445
7	.23	.12	2	-.10	.27	.33	.29	1.14	133	.2581	.4444	.57	54	@445
7	.23	.12	3	-.35	.33	.58	.35	1.66	68	.1025	.1983	.54	54	@445
7	.23	.12	4	-1.48	.84	1.70	.85	2.01	7	.0840	.0971	+.	54	@445
7	.23	.12	5	.65	.45	-.42	.46	-.92	47	.3618	.2519	.69	54	@445
7	.23	.12	6	-1.28	.78	1.51	.79	1.92	7	.0967	.0187	.96	54	@445
1	.11	.42	2	.61	.30	-.50	.51	-.97	64	.3374	.2269	-1.61	55	@446
1	.11	.42	3	1.16	.45	-1.05	.61	-1.71	62	.0918	.6332	-.69	55	@446

1	.11	.42	4	-.24	.77	.36	.88	.41	13	.6891	.2253	+.	55	@446
1	.11	.42	5	.65	.45	-.54	.61	-.88	55	.3816	.6945	-.	55	@446
1	.11	.42	6	.86	1.08	-.74	1.16	-.64	11	.5348	1.000	.000	55	@446
1	.11	.42	7	.12	.11	-.01	.43	-.02	42	.9861	.9038	-.46	55	@446
2	.61	.30	1	.11	.42	.50	.51	.97	64	.3374	.2269	1.61	55	@446
2	.61	.30	3	1.16	.45	-.55	.54	-1.02	84	.3125	.4588	.92	55	@446
2	.61	.30	4	-.24	.77	.86	.83	1.03	11	.3244	.0400	+.	55	@446
2	.61	.30	5	.65	.45	-.04	.54	-.07	70	.9417	.6750	+.	55	@446
2	.61	.30	6	.86	1.08	-.25	1.13	-.22	9	.8317	.6831	-.	55	@446
2	.61	.30	7	.12	.11	.49	.32	1.51	123	.1337	.7942	-.45	55	@446
3	1.16	.45	1	.11	.42	1.05	.61	1.71	62	.0918	.6332	.69	55	@446
3	1.16	.45	2	.61	.30	.55	.54	1.02	84	.3125	.4588	-.92	55	@446
3	1.16	.45	4	-.24	.77	1.41	.89	1.57	14	.1376	.1743	+.	55	@446
3	1.16	.45	5	.65	.45	.51	.63	.81	67	.4214	.9768	-.	55	@446
3	1.16	.45	6	.86	1.08	.31	1.17	.26	11	.7996	.1138	+.	55	@446
3	1.16	.45	7	.12	.11	1.04	.46	2.24	59	.0287	.1189	.37	55	@446
4	-.24	.77	1	.11	.42	-.36	.88	-.41	13	.6891	.2253	-.	55	@446
4	-.24	.77	2	.61	.30	-.86	.83	-1.03	11	.3244	.0400	-.	55	@446
4	-.24	.77	3	1.16	.45	-1.41	.89	-1.57	14	.1376	.1743	-.	55	@446
4	-.24	.77	5	.65	.45	-.90	.89	-1.00	13	.3333	.3173	-.	55	@446
4	-.24	.77	6	.86	1.08	-1.10	1.33	-.83	11	.4250	.8084	-.	55	@446
4	-.24	.77	7	.12	.11	-.37	.78	-.47	7	.6532	.3167	-.47	55	@446
5	.65	.45	1	.11	.42	.54	.61	.88	55	.3816	.6945	+.	55	@446
5	.65	.45	2	.61	.30	.04	.54	.07	70	.9417	.6750	-.	55	@446
5	.65	.45	3	1.16	.45	-.51	.63	-.81	67	.4214	.9768	+.	55	@446
5	.65	.45	4	-.24	.77	.90	.89	1.00	13	.3333	.3173	+.	55	@446
5	.65	.45	6	.86	1.08	-.21	1.17	-.18	11	.8631	.2207	+.	55	@446
5	.65	.45	7	.12	.11	.53	.46	1.15	47	.2551	.6820	-.80	55	@446
6	.86	1.08	1	.11	.42	.74	1.16	.64	11	.5348	1.000	.000	55	@446
6	.86	1.08	2	.61	.30	.25	1.13	.22	9	.8317	.6831	+.	55	@446
6	.86	1.08	3	1.16	.45	-.31	1.17	-.26	11	.7996	.1138	-.	55	@446
6	.86	1.08	4	-.24	.77	1.10	1.33	.83	11	.4250	.8084	+.	55	@446
6	.86	1.08	5	.65	.45	.21	1.17	.18	11	.8631	.2207	-.	55	@446
6	.86	1.08	7	.12	.11	.74	1.09	.68	7	.5210	.5822	-1.25	55	@446
7	.12	.11	1	.11	.42	.01	.43	.02	42	.9861	.9038	.46	55	@446
7	.12	.11	2	.61	.30	-.49	.32	-1.51	123	.1337	.7942	.45	55	@446
7	.12	.11	3	1.16	.45	-1.04	.46	-2.24	59	.0287	.1189	-.37	55	@446
7	.12	.11	4	-.24	.77	.37	.78	.47	7	.6532	.3167	.47	55	@446
7	.12	.11	5	.65	.45	-.53	.46	-1.15	47	.2551	.6820	.80	55	@446
7	.12	.11	6	.86	1.08	-.74	1.09	-.68	7	.5210	.5822	1.25	55	@446
1	.68	.45	2	.91	.33	-.24	.56	-.42	64	.6751	.7378	-.	56	@448
1	.68	.45	3	.80	.40	-.13	.61	-.21	60	.8346	.5631	-1.10	56	@448
1	.68	.45	4	.40	.84	.28	.96	.29	13	.7772	.4795	-.	56	@448
1	.68	.45	5	.46	.43	.21	.62	.34	55	.7339	.8447	.69	56	@448
1	.68	.45	6	1.93<	1.57	-1.25	1.64	-.77	9	.4631	.1573	-.	56	@448
1	.68	.45	7	.80	.13	-.13	.47	-.27	42	.7879	.6211	-.69	56	@448
2	.91	.33	1	.68	.45	.24	.56	.42	64	.6751	.7378	+.	56	@448
2	.91	.33	3	.80	.40	.11	.52	.21	90	.8357	.4869	.35	56	@448
2	.91	.33	4	.40	.84	.51	.91	.57	11	.5827	.6949	+.	56	@448
2	.91	.33	5	.46	.43	.45	.54	.83	74	.4072	.5507	.66	56	@448
2	.91	.33	6	1.93<	1.57	-1.02	1.61	-.63	8	.5439	.2370	-.	56	@448
2	.91	.33	7	.80	.13	.11	.35	.31	124	.7585	.2815	-.11	56	@448
3	.80	.40	1	.68	.45	.13	.61	.21	60	.8346	.5631	1.10	56	@448
3	.80	.40	2	.91	.33	-.11	.52	-.21	90	.8357	.4869	-.35	56	@448
3	.80	.40	4	.40	.84	.40	.94	.43	12	.6734	.3248	+.	56	@448
3	.80	.40	5	.46	.43	.34	.59	.58	66	.5645	.3777	-.29	56	@448
3	.80	.40	6	1.93<	1.57	-1.13	1.62	-.69	9	.5053	.2754	-.	56	@448
3	.80	.40	7	.80	.13	.00	.42	.00	64	1.000	.5663	-.80	56	@448
4	.40	.84	1	.68	.45	-.28	.96	-.29	13	.7772	.4795	+.	56	@448
4	.40	.84	2	.91	.33	-.51	.91	-.57	11	.5827	.6949	-.	56	@448
4	.40	.84	3	.80	.40	-.40	.94	-.43	12	.6734	.3248	-.	56	@448
4	.40	.84	5	.46	.43	-.06	.95	-.07	12	.9471	.3173	-.	56	@448
4	.40	.84	6	1.93<	1.57	-1.53	1.79	-.86	11	.4093	.0896	-.	56	@448
4	.40	.84	7	.80	.13	-.40	.85	-.47	7	.6500	.5297	-.	56	@448
5	.46	.43	1	.68	.45	-.21	.62	-.34	55	.7339	.8447	-.69	56	@448
5	.46	.43	2	.91	.33	-.45	.54	-.83	74	.4072	.5507	-.66	56	@448
5	.46	.43	3	.80	.40	-.34	.59	-.58	66	.5645	.3777	.29	56	@448
5	.46	.43	4	.40	.84	.06	.95	.07	12	.9471	.3173	+.	56	@448
5	.46	.43	6	1.93<	1.57	-1.47	1.63	-.90	9	.3913	.2482	-.	56	@448
5	.46	.43	7	.80	.13	-.34	.44	-.77	49	.4475	.9318	-.43	56	@448
6	1.93<	1.57	1	.68	.45	1.25	1.64	.77	9	.4631	.1573	+.	56	@448
6	1.93<	1.57	2	.91	.33	1.02	1.61	.63	8	.5439	.2370	+.	56	@448
6	1.93<	1.57	3	.80	.40	1.13	1.62	.69	9	.5053	.2754	+.	56	@448
6	1.93<	1.57	4	.40	.84	1.53	1.79	.86	11	.4093	.0896	+.	56	@448
6	1.93<	1.57	5	.46	.43	1.47	1.63	.90	9	.3913	.2482	+.	56	@448
6	1.93<	1.57	7	.80	.13	1.13	1.58	.71	6	.5019	.1908	+.	56	@448

7	.80	.13	1	.68	.45	.13	.47	.27	42	.7879	.6211	.69	56	@448
7	.80	.13	2	.91	.33	-.11	.35	-.31	124	.7585	.2815	.11	56	@448
7	.80	.13	3	.80	.40	.00	.42	.00	64	1.000	.5663	.80	56	@448
7	.80	.13	4	.40	.84	.40	.85	.47	7	.6500	.5297	+.	56	@448
7	.80	.13	5	.46	.43	.34	.44	.77	49	.4475	.9318	.43	56	@448
7	.80	.13	6	1.93<	1.57	-1.13	1.58	-.71	6	.5019	.1908	-.	56	@448
1	1.41	.55	2	1.02	.34	.39	.65	.60	59	.5496	.4773	.69	57	@450
1	1.41	.55	3	.36	.36	1.05	.66	1.59	55	.1176	.1865	+.	57	@450
1	1.41	.55	4	.40	.84	1.02	1.01	1.01	14	.3313	.2253	+.	57	@450
1	1.41	.55	5	1.37	.55	.04	.78	.05	55	.9567	.9163	-.41	57	@450
1	1.41	.55	6	1.94<	1.58	-.52	1.67	-.31	10	.7619			57	@450
1	1.41	.55	7	.92	.13	.50	.57	.88	39	.3854	.3230	.33	57	@450
2	1.02	.34	1	1.41	.55	-.39	.65	-.60	59	.5496	.4773	-.69	57	@450
2	1.02	.34	3	.36	.36	.66	.50	1.33	95	.1872	.1701	.32	57	@450
2	1.02	.34	4	.40	.84	.63	.91	.69	11	.5066	.6193	+.	57	@450
2	1.02	.34	5	1.37	.55	-.35	.65	-.54	67	.5913	.7412	-1.10	57	@450
2	1.02	.34	6	1.94<	1.58	-.91	1.62	-.56	8	.5879	.6171	-.	57	@450
2	1.02	.34	7	.92	.13	.11	.36	.30	123	.7676	.2821	-.25	57	@450
3	.36	.36	1	1.41	.55	-1.05	.66	-1.59	55	.1176	.1865	-.	57	@450
3	.36	.36	2	1.02	.34	-.66	.50	-1.33	95	.1872	.1701	-.32	57	@450
3	.36	.36	4	.40	.84	-.04	.92	-.04	11	.9682	.9666	-.	57	@450
3	.36	.36	5	1.37	.55	-1.01	.66	-1.53	61	.1302	.7324	.05	57	@450
3	.36	.36	6	1.94<	1.58	-1.57	1.62	-.97	9	.3566	.2848	-.	57	@450
3	.36	.36	7	.92	.13	-.56	.39	-1.44	68	.1556	.4894	-.43	57	@450
4	.40	.84	1	1.41	.55	-1.02	1.01	-1.01	14	.3313	.2253	-.	57	@450
4	.40	.84	2	1.02	.34	-.63	.91	-.69	11	.5066	.6193	-.	57	@450
4	.40	.84	3	.36	.36	.04	.92	.04	11	.9682	.9666	+.	57	@450
4	.40	.84	5	1.37	.55	-.97	1.01	-.97	15	.3491	.5485	-.	57	@450
4	.40	.84	6	1.94<	1.58	-1.54	1.79	-.86	10	.4108	.1573	-.	57	@450
4	.40	.84	7	.92	.13	-.52	.85	-.61	7	.5637	.9241	-.81	57	@450
5	1.37	.55	1	1.41	.55	-.04	.78	-.05	55	.9567	.9163	.41	57	@450
5	1.37	.55	2	1.02	.34	.35	.65	.54	67	.5913	.7412	1.10	57	@450
5	1.37	.55	3	.36	.36	1.01	.66	1.53	61	.1302	.7324	-.05	57	@450
5	1.37	.55	4	.40	.84	.97	1.01	.97	15	.3491	.5485	+.	57	@450
5	1.37	.55	6	1.94<	1.58	-.56	1.67	-.34	10	.7431	.4142	-.	57	@450
5	1.37	.55	7	.92	.13	.46	.56	.81	45	.4227	.3288	-.25	57	@450
6	1.94<	1.58	1	1.41	.55	.52	1.67	.31	10	.7619			57	@450
6	1.94<	1.58	2	1.02	.34	.91	1.62	.56	8	.5879	.6171	+.	57	@450
6	1.94<	1.58	3	.36	.36	1.57	1.62	.97	9	.3566	.2848	+.	57	@450
6	1.94<	1.58	4	.40	.84	1.54	1.79	.86	10	.4108	.1573	+.	57	@450
6	1.94<	1.58	5	1.37	.55	.56	1.67	.34	10	.7431	.4142	+.	57	@450
6	1.94<	1.58	7	.92	.13	1.02	1.58	.64	7	.5404	.1709	+.	57	@450
7	.92	.13	1	1.41	.55	-.50	.57	-.88	39	.3854	.3230	-.33	57	@450
7	.92	.13	2	1.02	.34	-.11	.36	-.30	123	.7676	.2821	.25	57	@450
7	.92	.13	3	.36	.36	.56	.39	1.44	68	.1556	.4894	.43	57	@450
7	.92	.13	4	.40	.84	.52	.85	.61	7	.5637	.9241	.81	57	@450
7	.92	.13	5	1.37	.55	-.46	.56	-.81	45	.4227	.3288	.25	57	@450
7	.92	.13	6	1.94<	1.58	-1.02	1.58	-.64	7	.5404	.1709	-.	57	@450
1	-1.61	.46	2	-1.49	.27	-.12	.53	-.23	57	.8170	.7158	.69	58	@455
1	-1.61	.46	3	-2.63	.48	1.02	.66	1.54	62	.1293	.1287	.90	58	@455
1	-1.61	.46	4	-2.36	1.08	.75	1.17	.64	11	.5349	.6171	+.	58	@455
1	-1.61	.46	5	-1.19	.38	-.42	.60	-.70	54	.4846	.4349	1.30	58	@455
1	-1.61	.46	6	-1.93	.85	.31	.96	.33	13	.7497	1.000	.000	58	@455
1	-1.61	.46	7	-1.79	.14	.18	.48	.37	44	.7118	.4266	1.53	58	@455
2	-1.49	.27	1	-1.61	.46	.12	.53	.23	57	.8170	.7158	-.69	58	@455
2	-1.49	.27	3	-2.63	.48	1.14	.55	2.07	77	.0414	.0536	.63	58	@455
2	-1.49	.27	4	-2.36	1.08	.88	1.11	.79	9	.4525	.4277	+.	58	@455
2	-1.49	.27	5	-1.19	.38	-.30	.47	-.64	70	.5273	.9300	.92	58	@455
2	-1.49	.27	6	-1.93	.85	.44	.89	.49	10	.6341	.4478	+.	58	@455
2	-1.49	.27	7	-1.79	.14	.30	.30	1.00	148	.3200	.4858	.42	58	@455
3	-2.63	.48	1	-1.61	.46	-1.02	.66	-1.54	62	.1293	.1287	-.90	58	@455
3	-2.63	.48	2	-1.49	.27	-1.14	.55	-2.07	77	.0414	.0536	-.63	58	@455
3	-2.63	.48	4	-2.36	1.08	-.27	1.19	-.23	12	.8241	.4658	+.	58	@455
3	-2.63	.48	5	-1.19	.38	-1.44	.62	-2.33	67	.0226	.2523	-.45	58	@455
3	-2.63	.48	6	-1.93	.85	-.71	.98	-.72	14	.4807	.6862	-1.39	58	@455
3	-2.63	.48	7	-1.79	.14	-.84	.50	-1.68	62	.0987	.1053	-.17	58	@455
4	-2.36	1.08	1	-1.61	.46	-.75	1.17	-.64	11	.5349	.6171	-.	58	@455
4	-2.36	1.08	2	-1.49	.27	-.88	1.11	-.79	9	.4525	.4277	-.	58	@455
4	-2.36	1.08	3	-2.63	.48	.27	1.19	.23	12	.8241	.4658	-.	58	@455
4	-2.36	1.08	5	-1.19	.38	-1.17	1.15	-1.02	10	.3315	.2489	-.	58	@455
4	-2.36	1.08	6	-1.93	.85	-.44	1.38	-.32	11	.7559	.4795	-.	58	@455
4	-2.36	1.08	7	-1.79	.14	-.57	1.09	-.53	7	.6147	.5020	1.70	58	@455
5	-1.19	.38	1	-1.61	.46	.42	.60	.70	54	.4846	.4349	-1.30	58	@455
5	-1.19	.38	2	-1.49	.27	.30	.47	.64	70	.5273	.9300	-.92	58	@455
5	-1.19	.38	3	-2.63	.48	1.44	.62	2.33	67	.0226	.2523	.45	58	@455
5	-1.19	.38	4	-2.36	1.08	1.17	1.15	1.02	10	.3315	.2489	+.	58	@455

5	-1.19	.38	6	-1.93	.85	.73	.93	.79	12	.4463	.7449	-.69	58 @455
5	-1.19	.38	7	-1.79	.14	.60	.41	1.46	55	.1504	.0355	.70	58 @455
6	-1.93	.85	1	-1.61	.46	-.31	.96	-.33	13	.7497	1.000	.000	58 @455
6	-1.93	.85	2	-1.49	.27	-.44	.89	-.49	10	.6341	.4478	-.	58 @455
6	-1.93	.85	3	-2.63	.48	.71	.98	.72	14	.4807	.6862	1.39	58 @455
6	-1.93	.85	4	-2.36	1.08	.44	1.38	.32	11	.7559	.4795	+.	58 @455
6	-1.93	.85	5	-1.19	.38	-.73	.93	-.79	12	.4463	.7449	.69	58 @455
6	-1.93	.85	7	-1.79	.14	-.14	.86	-.16	8	.8779	.8678	1.25	58 @455
7	-1.79	.14	1	-1.61	.46	-.18	.48	-.37	44	.7118	.4266	-1.53	58 @455
7	-1.79	.14	2	-1.49	.27	-.30	.30	-1.00	148	.3200	.4858	-.42	58 @455
7	-1.79	.14	3	-2.63	.48	.84	.50	1.68	62	.0987	.1053	.17	58 @455
7	-1.79	.14	4	-2.36	1.08	.57	1.09	.53	7	.6147	.5020	-1.70	58 @455
7	-1.79	.14	5	-1.19	.38	-.60	.41	-1.46	55	.1504	.0355	-.70	58 @455
7	-1.79	.14	6	-1.93	.85	.14	.86	.16	8	.8779	.8678	-1.25	58 @455

Size of Mantel-Haenszel slice: MHSLICE = .010 logits
Category 1 = Asian, Category 2 = Black, Non-Hispanic, Category 3 = Hispanic, Category 4 = American Indian or Alaskan Native, Category 5 = Multiracial, Category 6 = Pacific Islander, Category 7 = White, Non-Hispanic

TABLE 30.4 12th_raw.sav 12th_distractor_all_out.txt Feb 24 10:23 2013
INPUT: 522 PERSON 60 ITEM MEASURED: 522 PERSON 58 ITEM 116 CATS WINSTEPS 3.69.1.14

DIF class specification is: DIF=@RACE (Race/Ethnicity)

PERSON CLASSES	SUMMARY DIF CHI-SQUARE	D.F.	PROB.	ITEM Number	Name
7	11.1223	6	.0845	1	@328
6	11.3550	5	.0447	2	@329
7	11.4859	6	.0744	3	@330
7	7.7905	6	.2537	4	@331
7	5.2683	6	.5097	5	@336
7	4.2110	6	.6480	6	@337
7	9.3582	6	.1542	7	@339
7	1.4744	6	.9612	8	@340
7	1.5345	6	.9571	9	@341
7	1.8312	6	.9345	10	@344
7	3.7153	6	.7150	11	@345
7	12.1289	6	.0591	12	@346
7	9.2713	6	.1587	13	@347
7	12.2549	6	.0564	14	@348
7	4.5222	6	.6062	15	@353
6	10.7515	5	.0564	16	@356
7	6.7427	6	.3451	17	@357
7	7.0749	6	.3138	18	@358
7	12.0963	6	.0598	19	@359
7	6.7750	6	.3420	20	@360
7	10.4526	6	.1067	21	@362
7	9.8207	6	.1323	22	@364
7	4.5085	6	.6081	23	@366
7	2.0696	6	.9132	24	@367
7	1.6971	6	.9453	25	@369
7	5.4359	6	.4891	26	@370
7	2.2053	6	.8999	27	@373
7	2.5739	6	.8601	28	@374
7	4.8434	6	.5639	29	@375
7	8.4255	6	.2084	30	@378
7	3.0358	6	.8043	31	@382
7	13.6627	6	.0336	32	@383
7	5.7259	6	.4544	33	@384
7	7.6060	6	.2682	34	@386
7	5.3609	6	.4982	35	@387
7	4.3789	6	.6254	36	@392
7	6.1300	6	.4086	37	@395
7	2.8738	6	.8245	38	@397
6	14.3480	5	.0135	39	@401
7	6.6195	6	.3573	40	@408
6	1.4189	5	.9222	41	@412
7	6.2940	6	.3909	42	@420
6	3.9997	5	.5492	43	@422
6	.9528	5	.9663	44	@423
7	2.2782	6	.8924	45	@424
7	7.9775	6	.2396	46	@426
7	2.0155	6	.9182	47	@431
7	3.7371	6	.7121	48	@435
6	11.9660	5	.0352	49	@436
7	21.4342	6	.0015	50	@438
7	11.8174	6	.0661	51	@439
7	1.6099	6	.9518	52	@442
7	5.2304	6	.5144	53	@443
7	13.5948	6	.0344	54	@445
7	8.0895	6	.2314	55	@446
6	1.0121	5	.9616	56	@448
6	4.1066	5	.5339	57	@450
7	6.6023	6	.3590	58	@455
0	.0000	0	1.0000	59	@456
0	.0000	0	1.0000	60	@457

APPENDIX G

DIF CONTRASTS FOR DRAFT 3RD GRADE TEST

Appendix G

DIF Contrasts for Draft 3rd Grade Test

TABLE 30.1 3rd_raw_de 3rd_draft_2_20_items_distractor_out.txt Apr 14 5:17 2013
INPUT: 1082 PERSON 20 ITEM MEASURED: 1082 PERSON 20 ITEM 40 CATS WINSTEPS 3.69.1.14

DIF class specification is: DIF=@737 (Gender)

PERSON CLASS	DIF MEASURE	DIF S.E.	PERSON CLASS	DIF MEASURE	DIF S.E.	DIF CONTRAST	JOINT S.E.	t	Welch d.f.	Welch Prob.	Mantel Prob.	Hanzl Size	ITEM Number	Name
1	.92	.10	2	.92	.10	.00	.14	.00	INF	1.000	.5882	-.09	1	@461
2	.92	.10	1	.92	.10	.00	.14	.00	INF	1.000	.5882	.09	1	@461
1	2.27	.12	2	1.87	.12	.40	.17	2.37	INF	.0180	.0744	.30	2	@462
2	1.87	.12	1	2.27	.12	-.40	.17	-2.37	INF	.0180	.0744	-.30	2	@462
1	1.45	.10	2	1.19	.10	.27	.15	1.79	INF	.0735	.1538	.20	3	@470
2	1.19	.10	1	1.45	.10	-.27	.15	-1.79	INF	.0735	.1538	-.20	3	@470
1	-.91	.11	2	-.54	.10	-.37	.15	-2.50	INF	.0126	.0160	-.40	4	@472
2	-.54	.10	1	-.91	.11	.37	.15	2.50	INF	.0126	.0160	.40	4	@472
1	.29	.10	2	.39	.10	-.10	.14	-.75	INF	.4544	.3864	-.14	5	@474
2	.39	.10	1	.29	.10	.10	.14	.75	INF	.4544	.3864	.14	5	@474
1	-.81	.11	2	-.88	.11	.07	.15	.49	INF	.6268	.8086	.06	6	@481
2	-.88	.11	1	-.81	.11	-.07	.15	-.49	INF	.6268	.8086	-.06	6	@481
1	-.39	.10	2	-.34	.10	-.05	.14	-.39	INF	.7002	.8719	.01	7	@490
2	-.34	.10	1	-.39	.10	.05	.14	.39	INF	.7002	.8719	-.01	7	@490
1	-1.17	.11	2	-1.29	.11	.12	.16	.73	INF	.4663	.4234	.21	8	@501
2	-1.29	.11	1	-1.17	.11	-.12	.16	-.73	INF	.4663	.4234	-.21	8	@501
1	1.02	.10	2	1.02	.10	.00	.14	.00	INF	1.000	.8031	-.06	9	@505
2	1.02	.10	1	1.02	.10	.00	.14	.00	INF	1.000	.8031	.06	9	@505
1	.70	.10	2	.70	.10	.00	.14	.00	INF	1.000	.9039	.00	10	@516
2	.70	.10	1	.70	.10	.00	.14	.00	INF	1.000	.9039	.00	10	@516
1	.71	.10	2	.83	.10	-.12	.14	-.84	INF	.3996	.4706	-.11	11	@517
2	.83	.10	1	.71	.10	.12	.14	.84	INF	.3996	.4706	.11	11	@517
1	1.47	.11	2	1.51	.11	-.05	.15	-.30	INF	.7651	.5596	-.08	12	@521
2	1.51	.11	1	1.47	.11	.05	.15	.30	INF	.7651	.5596	.08	12	@521
1	-1.65	.13	2	-1.39	.11	-.26	.17	-1.50	INF	.1339	.1808	-.25	13	@534
2	-1.39	.11	1	-1.65	.13	.26	.17	1.50	INF	.1339	.1808	.25	13	@534
1	-.81	.11	2	-.86	.10	.05	.15	.34	INF	.7338	.5845	.08	14	@536
2	-.86	.10	1	-.81	.11	-.05	.15	-.34	INF	.7338	.5845	-.08	14	@536
1	-.22	.10	2	-.11	.10	-.11	.14	-.77	INF	.4439	.3661	-.07	15	@562
2	-.11	.10	1	-.22	.10	.11	.14	.77	INF	.4439	.3661	.07	15	@562
1	.14	.10	2	.01	.10	.13	.14	.93	INF	.3524	.3193	.14	16	@575
2	.01	.10	1	.14	.10	-.13	.14	-.93	INF	.3524	.3193	-.14	16	@575
1	-1.03	.11	2	-.88	.11	-.15	.15	-1.00	INF	.3159	.4501	-.08	17	@727
2	-.88	.11	1	-1.03	.11	.15	.15	1.00	INF	.3159	.4501	.08	17	@727
1	-1.39	.12	2	-1.39	.11	.00	.17	.00	INF	1.000	.8352	.05	18	@728
2	-1.39	.11	1	-1.39	.12	.00	.17	.00	INF	1.000	.8352	-.05	18	@728
1	-.44	.10	2	-.44	.10	.00	.14	.00	INF	1.000	.9684	-.02	19	@729
2	-.44	.10	1	-.44	.10	.00	.14	.00	INF	1.000	.9684	.02	19	@729
1	-.12	.10	2	-.41	.10	.29	.14	2.04	INF	.0414	.0083	.38	20	@733
2	-.41	.10	1	-.12	.10	-.29	.14	-2.04	INF	.0414	.0083	-.38	20	@733

Size of Mantel-Haenszel slice: MHSLICE = .010 logits

Category 1 - Female, Category 2 = Male

TABLE 30.1 3rd_raw_de 3rd_draft_2_20_items_distractor_out.txt Apr 14 5:17 2013
INPUT: 1082 PERSON 20 ITEM MEASURED: 1082 PERSON 20 ITEM 40 CATS WINSTEPS 3.69.1.14

DIF class specification is: DIF=@738 (Race/Ethnicity)

PERSON CLASS	DIF MEASURE	DIF S.E.	PERSON CLASS	DIF MEASURE	DIF S.E.	DIF CONTRAST	JOINT S.E.	t	Welch d.f.	Welch Prob.	MantelHanzl Prob.	ITEM Size	ITEM Number	Name
1	1.30	.29	2	.71	.27	.60	.40	1.51	142	.1332	.1186	.61	1	@461
1	1.30	.29	3	.26	.25	1.04	.39	2.71	137	.0076	.0903	.30	1	@461
1	1.30	.29	4	1.34	.37	-.04	.47	-.08	107	.9374	.8308	-.46	1	@461
1	1.30	.29	5	.66	.35	.64	.46	1.41	98	.1628	.4617	.00	1	@461
1	1.30	.29	7	.97	.08	.33	.30	1.10	102	.2720	.4375	.07	1	@461
2	.71	.27	1	1.30	.29	-.60	.40	-1.51	142	.1332	.1186	-.61	1	@461
2	.71	.27	3	.26	.25	.45	.37	1.21	168	.2276	.1029	.81	1	@461
2	.71	.27	4	1.34	.37	-.63	.46	-1.39	115	.1682	.3274	-.14	1	@461
2	.71	.27	5	.66	.35	.04	.44	.10	105	.9230	.9619	.24	1	@461
2	.71	.27	7	.97	.08	-.26	.28	-.94	147	.3504	.5393	-.26	1	@461
3	.26	.25	1	1.30	.29	-1.04	.39	-2.71	137	.0076	.0903	-.30	1	@461
3	.26	.25	2	.71	.27	-.45	.37	-1.21	168	.2276	.1029	-.81	1	@461
3	.26	.25	4	1.34	.37	-1.08	.45	-2.41	111	.0176	.1766	-.66	1	@461
3	.26	.25	5	.66	.35	-.40	.43	-.93	101	.3524	.5347	-.38	1	@461
3	.26	.25	7	.97	.08	-.71	.27	-2.67	143	.0085	.0349	-.69	1	@461
4	1.34	.37	1	1.30	.29	.04	.47	.08	107	.9374	.8308	.46	1	@461
4	1.34	.37	2	.71	.27	.63	.46	1.39	115	.1682	.3274	.14	1	@461
4	1.34	.37	3	.26	.25	1.08	.45	2.41	111	.0176	.1766	.66	1	@461
4	1.34	.37	5	.66	.35	.68	.51	1.33	94	.1874	.1468	.74	1	@461
4	1.34	.37	7	.97	.08	.37	.38	.98	76	.3317	.2181	.30	1	@461
5	.66	.35	1	1.30	.29	-.64	.46	-1.41	98	.1628	.4617	.00	1	@461
5	.66	.35	2	.71	.27	-.04	.44	-.10	105	.9230	.9619	-.24	1	@461
5	.66	.35	3	.26	.25	.40	.43	.93	101	.3524	.5347	.38	1	@461
5	.66	.35	4	1.34	.37	-.68	.51	-1.33	94	.1874	.1468	-.74	1	@461
5	.66	.35	7	.97	.08	-.31	.36	-.85	67	.3985	.3426	-.53	1	@461
7	.97	.08	1	1.30	.29	-.33	.30	-1.10	102	.2720	.4375	-.07	1	@461
7	.97	.08	2	.71	.27	.26	.28	.94	147	.3504	.5393	.26	1	@461
7	.97	.08	3	.26	.25	.71	.27	2.67	143	.0085	.0349	.69	1	@461
7	.97	.08	4	1.34	.37	-.37	.38	-.98	76	.3317	.2181	-.30	1	@461
7	.97	.08	5	.66	.35	.31	.36	.85	67	.3985	.3426	.53	1	@461
1	1.92	.30	2	1.47	.31	.45	.44	1.02	145	.3079	.3496	.12	2	@462
1	1.92	.30	3	2.41	.40	-.50	.51	-.98	143	.3293	.0596	-.54	2	@462
1	1.92	.30	4	1.34	.36	.58	.47	1.23	109	.2205	.6270	.18	2	@462
1	1.92	.30	5	3.41	.52	-1.49	.61	-2.46	88	.0160	.0339	.69	2	@462
1	1.92	.30	7	2.10	.10	-.18	.32	-.57	107	.5709	.2526	-.51	2	@462
2	1.47	.31	1	1.92	.30	-.45	.44	-1.02	145	.3079	.3496	-.12	2	@462
2	1.47	.31	3	2.41	.40	-.94	.51	-1.84	164	.0668	.0755	-.59	2	@462
2	1.47	.31	4	1.34	.36	.14	.48	.28	123	.7764	.5796	.65	2	@462
2	1.47	.31	5	3.41	.52	-1.93	.61	-3.17	95	.0020	.2358	.21	2	@462
2	1.47	.31	7	2.10	.10	-.63	.33	-1.92	148	.0567	.8732	-.18	2	@462
3	2.41	.40	1	1.92	.30	.50	.51	.98	143	.3293	.0596	.54	2	@462
3	2.41	.40	2	1.47	.31	.94	.51	1.84	164	.0668	.0755	.59	2	@462
3	2.41	.40	4	1.34	.36	1.08	.54	1.99	128	.0488	.1352	.91	2	@462
3	2.41	.40	5	3.41	.52	-.99	.66	-1.50	104	.1363	.6272	1.61	2	@462
3	2.41	.40	7	2.10	.10	.31	.42	.75	125	.4526	.1535	-.06	2	@462
4	1.34	.36	1	1.92	.30	-.58	.47	-1.23	109	.2205	.6270	-.18	2	@462
4	1.34	.36	2	1.47	.31	-.14	.48	-.28	123	.7764	.5796	-.65	2	@462
4	1.34	.36	3	2.41	.40	-1.08	.54	-1.99	128	.0488	.1352	-.91	2	@462
4	1.34	.36	5	3.41	.52	-2.07	.64	-3.26	89	.0016	.0577	-.69	2	@462
4	1.34	.36	7	2.10	.10	-.76	.37	-2.04	82	.0442	.3174	-.61	2	@462
5	3.41	.52	1	1.92	.30	1.49	.61	2.46	88	.0160	.0339	-.69	2	@462
5	3.41	.52	2	1.47	.31	1.93	.61	3.17	95	.0020	.2358	-.21	2	@462
5	3.41	.52	3	2.41	.40	.99	.66	1.50	104	.1363	.6272	-1.61	2	@462
5	3.41	.52	4	1.34	.36	2.07	.64	3.26	89	.0016	.0577	.69	2	@462
5	3.41	.52	7	2.10	.10	1.31	.53	2.45	61	.0171	.0144	-.04	2	@462
7	2.10	.10	1	1.92	.30	.18	.32	.57	107	.5709	.2526	.51	2	@462
7	2.10	.10	2	1.47	.31	.63	.33	1.92	148	.0567	.8732	.18	2	@462
7	2.10	.10	3	2.41	.40	-.31	.42	-.75	125	.4526	.1535	.06	2	@462
7	2.10	.10	4	1.34	.36	.76	.37	2.04	82	.0442	.3174	.61	2	@462
7	2.10	.10	5	3.41	.52	-1.31	.53	-2.45	61	.0171	.0144	.04	2	@462
1	1.22	.29	2	1.01	.29	.21	.41	.50	144	.6150	.1855	-.79	3	@470
1	1.22	.29	3	.98	.28	.24	.41	.60	140	.5506	.8206	-.24	3	@470
1	1.22	.29	4	.72	.33	.50	.44	1.13	109	.2611	.8301	.68	3	@470
1	1.22	.29	5	1.58	.38	-.37	.48	-.76	96	.4476	.2995	.15	3	@470
1	1.22	.29	7	1.41	.09	-.19	.30	-.64	104	.5238	.2826	-.31	3	@470
2	1.01	.29	1	1.22	.29	-.21	.41	-.50	144	.6150	.1855	.79	3	@470

2	1.01	.29	3	.98	.28	.04	.40	.09	168	.9262	.7444	.31	3	@470
2	1.01	.29	4	.72	.33	.29	.44	.67	122	.5047	.2587	.64	3	@470
2	1.01	.29	5	1.58	.38	-.57	.48	-1.20	104	.2341	.8129	.77	3	@470
2	1.01	.29	7	1.41	.09	-.40	.30	-1.34	146	.1838	.9042	-.08	3	@470
3	.98	.28	1	1.22	.29	-.24	.41	-.60	140	.5506	.8206	.24	3	@470
3	.98	.28	2	1.01	.29	-.04	.40	-.09	168	.9262	.7444	-.31	3	@470
3	.98	.28	4	.72	.33	.26	.44	.59	120	.5589	.3230	-.04	3	@470
3	.98	.28	5	1.58	.38	-.61	.48	-1.28	103	.2038	.1538	-.15	3	@470
3	.98	.28	7	1.41	.09	-.44	.30	-1.47	138	.1433	.5098	-.27	3	@470
4	.72	.33	1	1.22	.29	-.50	.44	-1.13	109	.2611	.8301	-.68	3	@470
4	.72	.33	2	1.01	.29	-.29	.44	-.67	122	.5047	.2587	-.64	3	@470
4	.72	.33	3	.98	.28	-.26	.44	-.59	120	.5589	.3230	.04	3	@470
4	.72	.33	5	1.58	.38	-.86	.51	-1.71	93	.0914	.2304	-.81	3	@470
4	.72	.33	7	1.41	.09	-.69	.34	-2.01	80	.0476	.2448	-.66	3	@470
5	1.58	.38	1	1.22	.29	.37	.48	.76	96	.4476	.2995	-.15	3	@470
5	1.58	.38	2	1.01	.29	.57	.48	1.20	104	.2341	.8129	-.77	3	@470
5	1.58	.38	3	.98	.28	.61	.48	1.28	103	.2038	.1538	.15	3	@470
5	1.58	.38	4	.72	.33	.86	.51	1.71	93	.0914	.2304	.81	3	@470
5	1.58	.38	7	1.41	.09	.17	.39	.44	66	.6622	.4828	-.03	3	@470
7	1.41	.09	1	1.22	.29	.19	.30	.64	104	.5238	.2826	.31	3	@470
7	1.41	.09	2	1.01	.29	.40	.30	1.34	146	.1838	.9042	.08	3	@470
7	1.41	.09	3	.98	.28	.44	.30	1.47	138	.1433	.5098	.27	3	@470
7	1.41	.09	4	.72	.33	.69	.34	2.01	80	.0476	.2448	.66	3	@470
7	1.41	.09	5	1.58	.38	-.17	.39	-.44	66	.6622	.4828	.03	3	@470
1	-1.14	.37	2	-.45	.23	-.69	.44	-1.56	128	.1213	.5839	-.19	4	@472
1	-1.14	.37	3	-.18	.25	-.96	.45	-2.15	128	.0331	.0175	-.58	4	@472
1	-1.14	.37	4	-.31	.31	-.83	.49	-1.70	112	.0918	.1070	-.98	4	@472
1	-1.14	.37	5	-.45	.36	-.69	.52	-1.33	103	.1863	.0882	-.39	4	@472
1	-1.14	.37	7	-.86	.09	-.28	.38	-.73	96	.4686	.4321	.09	4	@472
2	-.45	.23	1	-1.14	.37	.69	.44	1.56	128	.1213	.5839	.19	4	@472
2	-.45	.23	3	-.18	.25	-.27	.34	-.81	168	.4192	.3184	.21	4	@472
2	-.45	.23	4	-.31	.31	-.14	.39	-.36	117	.7172	.6396	.19	4	@472
2	-.45	.23	5	-.45	.36	.00	.43	-.01	98	.9933	.7546	.19	4	@472
2	-.45	.23	7	-.86	.09	.41	.25	1.62	166	.1078	.2538	.42	4	@472
3	-.18	.25	1	-1.14	.37	.96	.45	2.15	128	.0331	.0175	.58	4	@472
3	-.18	.25	2	-.45	.23	.27	.34	.81	168	.4192	.3184	-.21	4	@472
3	-.18	.25	4	-.31	.31	.13	.40	.33	117	.7399	.4700	.11	4	@472
3	-.18	.25	5	-.45	.36	.27	.44	.62	99	.5357	.5497	-.19	4	@472
3	-.18	.25	7	-.86	.09	.68	.26	2.60	152	.0103	.0155	.44	4	@472
4	-.31	.31	1	-1.14	.37	.83	.49	1.70	112	.0918	.1070	.98	4	@472
4	-.31	.31	2	-.45	.23	.14	.39	.36	117	.7172	.6396	-.19	4	@472
4	-.31	.31	3	-.18	.25	-.13	.40	-.33	117	.7399	.4700	-.11	4	@472
4	-.31	.31	5	-.45	.36	.14	.48	.29	93	.7726	.9777	.61	4	@472
4	-.31	.31	7	-.86	.09	.55	.33	1.68	84	.0970	.1693	.42	4	@472
5	-.45	.36	1	-1.14	.37	.69	.52	1.33	103	.1863	.0882	.39	4	@472
5	-.45	.36	2	-.45	.23	.00	.43	.01	98	.9933	.7546	-.19	4	@472
5	-.45	.36	3	-.18	.25	-.27	.44	-.62	99	.5357	.5497	.19	4	@472
5	-.45	.36	4	-.31	.31	-.14	.48	-.29	93	.7726	.9777	-.61	4	@472
5	-.45	.36	7	-.86	.09	.41	.37	1.10	69	.2739	.2977	.44	4	@472
7	-.86	.09	1	-1.14	.37	.28	.38	.73	96	.4686	.4321	-.09	4	@472
7	-.86	.09	2	-.45	.23	-.41	.25	-1.62	166	.1078	.2538	-.42	4	@472
7	-.86	.09	3	-.18	.25	-.68	.26	-2.60	152	.0103	.0155	-.44	4	@472
7	-.86	.09	4	-.31	.31	-.55	.33	-1.68	84	.0970	.1693	-.42	4	@472
7	-.86	.09	5	-.45	.36	-.41	.37	-1.10	69	.2739	.2977	-.44	4	@472
1	.37	.30	2	.43	.26	-.06	.39	-.16	140	.8730	.1452	1.07	5	@474
1	.37	.30	3	.20	.25	.17	.39	.44	137	.6599	.3499	-.41	5	@474
1	.37	.30	4	.50	.33	-.13	.44	-.30	110	.7634	.8481	.58	5	@474
1	.37	.30	5	.42	.35	-.05	.46	-.11	99	.9112	.9238	.05	5	@474
1	.37	.30	7	.34	.08	.03	.31	.09	100	.9263	.6376	.13	5	@474
2	.43	.26	1	.37	.30	.06	.39	.16	140	.8730	.1452	-1.07	5	@474
2	.43	.26	3	.20	.25	.24	.36	.65	168	.5140	.5925	.12	5	@474
2	.43	.26	4	.50	.33	-.07	.42	-.17	119	.8652	.7789	.19	5	@474
2	.43	.26	5	.42	.35	.01	.43	.03	104	.9785	.7230	.39	5	@474
2	.43	.26	7	.34	.08	.09	.27	.34	150	.7338	.8975	.02	5	@474
3	.20	.25	1	.37	.30	-.17	.39	-.44	137	.6599	.3499	.41	5	@474
3	.20	.25	2	.43	.26	-.24	.36	-.65	168	.5140	.5925	-.12	5	@474
3	.20	.25	4	.50	.33	-.31	.41	-.74	116	.4608	.6597	.14	5	@474
3	.20	.25	5	.42	.35	-.22	.43	-.52	102	.6044	.9417	1.00	5	@474
3	.20	.25	7	.34	.08	-.14	.27	-.54	142	.5898	.3251	-.29	5	@474
4	.50	.33	1	.37	.30	.13	.44	.30	110	.7634	.8481	-.58	5	@474
4	.50	.33	2	.43	.26	.07	.42	.17	119	.8652	.7789	-.19	5	@474
4	.50	.33	3	.20	.25	.31	.41	.74	116	.4608	.6597	-.14	5	@474
4	.50	.33	5	.42	.35	.08	.48	.17	93	.8636	.8634	.24	5	@474
4	.50	.33	7	.34	.08	.16	.34	.48	79	.6318	.6941	.01	5	@474
5	.42	.35	1	.37	.30	.05	.46	.11	99	.9112	.9238	-.05	5	@474
5	.42	.35	2	.43	.26	-.01	.43	-.03	104	.9785	.7230	-.39	5	@474

5	.42	.35	3	.20	.25	.22	.43	.52	102	.6044	.9417	-1.00	5	@474
5	.42	.35	4	.50	.33	-.08	.48	-.17	93	.8636	.8634	-.24	5	@474
5	.42	.35	7	.34	.08	.08	.36	.22	67	.8239	.7781	-.09	5	@474
7	.34	.08	1	.37	.30	-.03	.31	-.09	100	.9263	.6376	-.13	5	@474
7	.34	.08	2	.43	.26	-.09	.27	-.34	150	.7338	.8975	-.02	5	@474
7	.34	.08	3	.20	.25	.14	.27	.54	142	.5898	.3251	.29	5	@474
7	.34	.08	4	.50	.33	-.16	.34	-.48	79	.6318	.6941	-.01	5	@474
7	.34	.08	5	.42	.35	-.08	.36	-.22	67	.8239	.7781	.09	5	@474
1	-1.00	.36	2	-1.11	.24	.11	.43	.25	129	.8059	.2669	-.33	6	@481
1	-1.00	.36	3	-1.60	.26	.60	.45	1.33	132	.1855	.5711	.00	6	@481
1	-1.00	.36	4	-.70	.32	-.30	.48	-.61	112	.5417	.5894	.29	6	@481
1	-1.00	.36	5	-.71	.37	-.29	.52	-.55	102	.5842	.8092	-.31	6	@481
1	-1.00	.36	7	-.72	.09	-.28	.38	-.76	96	.4503	.6922	.21	6	@481
2	-1.11	.24	1	-1.00	.36	-.11	.43	-.25	129	.8059	.2669	.33	6	@481
2	-1.11	.24	3	-1.60	.26	.49	.35	1.39	167	.1670	.1622	.13	6	@481
2	-1.11	.24	4	-.70	.32	-.40	.40	-1.02	117	.3105	.6125	-.05	6	@481
2	-1.11	.24	5	-.71	.37	-.39	.44	-.89	97	.3747	.6629	-.66	6	@481
2	-1.11	.24	7	-.72	.09	-.39	.25	-1.55	163	.1237	.5743	-.13	6	@481
3	-1.60	.26	1	-1.00	.36	-.60	.45	-1.33	132	.1855	.5711	.00	6	@481
3	-1.60	.26	2	-1.11	.24	-.49	.35	-1.39	167	.1670	.1622	-.13	6	@481
3	-1.60	.26	4	-.70	.32	-.89	.41	-2.17	119	.0321	.0526	-.63	6	@481
3	-1.60	.26	5	-.71	.37	-.88	.46	-1.94	101	.0550	.2944	-.86	6	@481
3	-1.60	.26	7	-.72	.09	-.88	.28	-3.16	145	.0019	.0231	-.41	6	@481
4	-.70	.32	1	-1.00	.36	.30	.48	.61	112	.5417	.5894	-.29	6	@481
4	-.70	.32	2	-1.11	.24	.40	.40	1.02	117	.3105	.6125	.05	6	@481
4	-.70	.32	3	-1.60	.26	.89	.41	2.17	119	.0321	.0526	.63	6	@481
4	-.70	.32	5	-.71	.37	.01	.49	.02	92	.9838	.9595	-.27	6	@481
4	-.70	.32	7	-.72	.09	.01	.33	.03	83	.9734	.6461	-.02	6	@481
5	-.71	.37	1	-1.00	.36	.29	.52	.55	102	.5842	.8092	.31	6	@481
5	-.71	.37	2	-1.11	.24	.39	.44	.89	97	.3747	.6629	.66	6	@481
5	-.71	.37	3	-1.60	.26	.88	.46	1.94	101	.0550	.2944	.86	6	@481
5	-.71	.37	4	-.70	.32	-.01	.49	-.02	92	.9838	.9595	.27	6	@481
5	-.71	.37	7	-.72	.09	.00	.38	.00	67	.9978	.7091	.35	6	@481
7	-.72	.09	1	-1.00	.36	.28	.38	.76	96	.4503	.6922	-.21	6	@481
7	-.72	.09	2	-1.11	.24	.39	.25	1.55	163	.1237	.5743	.13	6	@481
7	-.72	.09	3	-1.60	.26	.88	.28	3.16	145	.0019	.0231	.41	6	@481
7	-.72	.09	4	-.70	.32	-.01	.33	-.03	83	.9734	.6461	.02	6	@481
7	-.72	.09	5	-.71	.37	.00	.38	.00	67	.9978	.7091	-.35	6	@481
1	-.63	.34	2	-.17	.24	-.46	.41	-1.10	132	.2734	.8055	-.69	7	@490
1	-.63	.34	3	-.12	.25	-.51	.42	-1.22	132	.2234	.8171	-.08	7	@490
1	-.63	.34	4	-.01	.32	-.62	.46	-1.33	112	.1861	.0860	-.88	7	@490
1	-.63	.34	5	-.58	.37	-.05	.50	-.10	101	.9207	.5356	-.66	7	@490
1	-.63	.34	7	-.42	.09	-.21	.35	-.60	97	.5510	.9243	.12	7	@490
2	-.17	.24	1	-.63	.34	.46	.41	1.10	132	.2734	.8055	.69	7	@490
2	-.17	.24	3	-.12	.25	-.06	.34	-.17	168	.8674	.9286	.17	7	@490
2	-.17	.24	4	-.01	.32	-.16	.40	-.41	117	.6850	.6299	.81	7	@490
2	-.17	.24	5	-.58	.37	.41	.44	.93	98	.3538	.6038	.46	7	@490
2	-.17	.24	7	-.42	.09	.25	.25	.97	159	.3321	.5157	.38	7	@490
3	-.12	.25	1	-.63	.34	.51	.42	1.22	132	.2234	.8171	.08	7	@490
3	-.12	.25	2	-.17	.24	.06	.34	.17	168	.8674	.9286	-.17	7	@490
3	-.12	.25	4	-.01	.32	-.10	.40	-.26	117	.7965	.5755	.17	7	@490
3	-.12	.25	5	-.58	.37	.46	.44	1.05	99	.2955	.6001	.26	7	@490
3	-.12	.25	7	-.42	.09	.30	.26	1.16	147	.2470	.4041	.25	7	@490
4	-.01	.32	1	-.63	.34	.62	.46	1.33	112	.1861	.0860	.88	7	@490
4	-.01	.32	2	-.17	.24	.16	.40	.41	117	.6850	.6299	-.81	7	@490
4	-.01	.32	3	-.12	.25	.10	.40	.26	117	.7965	.5755	-.17	7	@490
4	-.01	.32	5	-.58	.37	.57	.48	1.17	92	.2433	.1271	.22	7	@490
4	-.01	.32	7	-.42	.09	.41	.33	1.24	82	.2171	.1818	-.07	7	@490
5	-.58	.37	1	-.63	.34	.05	.50	.10	101	.9207	.5356	.66	7	@490
5	-.58	.37	2	-.17	.24	-.41	.44	-.93	98	.3538	.6038	-.46	7	@490
5	-.58	.37	3	-.12	.25	-.46	.44	-1.05	99	.2955	.6001	-.26	7	@490
5	-.58	.37	4	-.01	.32	-.57	.48	-1.17	92	.2433	.1271	-.22	7	@490
5	-.58	.37	7	-.42	.09	-.16	.38	-.43	67	.6716	.7234	.10	7	@490
7	-.42	.09	1	-.63	.34	.21	.35	.60	97	.5510	.9243	-.12	7	@490
7	-.42	.09	2	-.17	.24	-.25	.25	-.97	159	.3321	.5157	-.38	7	@490
7	-.42	.09	3	-.12	.25	-.30	.26	-1.16	147	.2470	.4041	-.25	7	@490
7	-.42	.09	4	-.01	.32	-.41	.33	-1.24	82	.2171	.1818	.07	7	@490
7	-.42	.09	5	-.58	.37	.16	.38	.43	67	.6716	.7234	-.10	7	@490
1	-1.44	.40	2	-.89	.23	-.55	.46	-1.19	125	.2367	.6272	.22	8	@501
1	-1.44	.40	3	-1.60	.27	.16	.48	.34	128	.7331	.7765	.24	8	@501
1	-1.44	.40	4	-1.45	.34	.01	.52	.02	112	.9801	.5272	.53	8	@501
1	-1.44	.40	5	-2.10	.47	.66	.62	1.07	99	.2864	.4120	-.90	8	@501
1	-1.44	.40	7	-1.16	.10	-.27	.41	-.66	95	.5106	.5278	.20	8	@501
2	-.89	.23	1	-1.44	.40	.55	.46	1.19	125	.2367	.6272	-.22	8	@501
2	-.89	.23	3	-1.60	.27	.71	.35	2.02	167	.0455	.0486	.94	8	@501
2	-.89	.23	4	-1.45	.34	.56	.41	1.36	113	.1751	.2871	.57	8	@501

2	-.89	.23	5	-2.10	.47	1.21	.53	2.30	87	.0237	.0480	.67	8	@501
2	-.89	.23	7	-1.16	.10	.28	.25	1.10	171	.2735	.3553	.45	8	@501
3	-1.60	.27	1	-1.44	.40	-.16	.48	-.34	128	.7331	.7765	-.24	8	@501
3	-1.60	.27	2	-.89	.23	-.71	.35	-2.02	167	.0455	.0486	-.94	8	@501
3	-1.60	.27	4	-1.45	.34	-.15	.43	-.35	117	.7274	.8794	.22	8	@501
3	-1.60	.27	5	-2.10	.47	.50	.54	.92	91	.3599	.1952	-.30	8	@501
3	-1.60	.27	7	-1.16	.10	-.43	.28	-1.54	151	.1268	.2175	-.33	8	@501
4	-1.45	.34	1	-1.44	.40	-.01	.52	-.02	112	.9801	.5272	-.53	8	@501
4	-1.45	.34	2	-.89	.23	-.56	.41	-1.36	113	.1751	.2871	-.57	8	@501
4	-1.45	.34	3	-1.60	.27	.15	.43	.35	117	.7274	.8794	-.22	8	@501
4	-1.45	.34	5	-2.10	.47	.65	.58	1.12	89	.2672	.4240	-.29	8	@501
4	-1.45	.34	7	-1.16	.10	-.28	.35	-.80	84	.4237	.3577	-.32	8	@501
5	-2.10	.47	1	-1.44	.40	-.66	.62	-1.07	99	.2864	.4120	.90	8	@501
5	-2.10	.47	2	-.89	.23	-1.21	.53	-2.30	87	.0237	.0480	-.67	8	@501
5	-2.10	.47	3	-1.60	.27	-.50	.54	-.92	91	.3599	.1952	.30	8	@501
5	-2.10	.47	4	-1.45	.34	-.65	.58	-1.12	89	.2672	.4240	.29	8	@501
5	-2.10	.47	7	-1.16	.10	-.93	.48	-1.94	64	.0571	.0599	.24	8	@501
7	-1.16	.10	1	-1.44	.40	.27	.41	.66	95	.5106	.5278	-.20	8	@501
7	-1.16	.10	2	-.89	.23	-.28	.25	-1.10	171	.2735	.3553	-.45	8	@501
7	-1.16	.10	3	-1.60	.27	.43	.28	1.54	151	.1268	.2175	.33	8	@501
7	-1.16	.10	4	-1.45	.34	.28	.35	.80	84	.4237	.3577	.32	8	@501
7	-1.16	.10	5	-2.10	.47	.93	.48	1.94	64	.0571	.0599	-.24	8	@501
1	.71	.29	2	.63	.26	.08	.39	.20	142	.8379	.4612	-.22	9	@505
1	.71	.29	3	1.23	.30	-.52	.42	-1.24	141	.2177	.4570	-.47	9	@505
1	.71	.29	4	1.34	.37	-.63	.47	-1.32	107	.1880	.5989	-.47	9	@505
1	.71	.29	5	1.02	.36	-.30	.46	-.66	98	.5110	.9261	-.17	9	@505
1	.71	.29	7	1.05	.08	-.33	.30	-1.09	102	.2769	.2825	-.41	9	@505
2	.63	.26	1	.71	.29	-.08	.39	-.20	142	.8379	.4612	.22	9	@505
2	.63	.26	3	1.23	.30	-.60	.40	-1.50	167	.1357	.0616	.10	9	@505
2	.63	.26	4	1.34	.37	-.71	.46	-1.55	115	.1238	.0443	.36	9	@505
2	.63	.26	5	1.02	.36	-.39	.45	-.87	104	.3886	.5649	.25	9	@505
2	.63	.26	7	1.05	.08	-.41	.28	-1.49	149	.1384	.2170	-.30	9	@505
3	1.23	.30	1	.71	.29	.52	.42	1.24	141	.2177	.4570	.47	9	@505
3	1.23	.30	2	.63	.26	.60	.40	1.50	167	.1357	.0616	-.10	9	@505
3	1.23	.30	4	1.34	.37	-.11	.48	-.23	118	.8206	.9684	.00	9	@505
3	1.23	.30	5	1.02	.36	.21	.47	.45	107	.6507	.2456	.62	9	@505
3	1.23	.30	7	1.05	.08	.19	.31	.60	133	.5515	.4787	-.27	9	@505
4	1.34	.37	1	.71	.29	.63	.47	1.32	107	.1880	.5989	.47	9	@505
4	1.34	.37	2	.63	.26	.71	.46	1.55	115	.1238	.0443	-.36	9	@505
4	1.34	.37	3	1.23	.30	.11	.48	.23	118	.8206	.9684	.00	9	@505
4	1.34	.37	5	1.02	.36	.32	.52	.62	94	.5364	.6827	-1.79	9	@505
4	1.34	.37	7	1.05	.08	.29	.38	.77	76	.4427	.5120	-.75	9	@505
5	1.02	.36	1	.71	.29	.30	.46	.66	98	.5110	.9261	.17	9	@505
5	1.02	.36	2	.63	.26	.39	.45	.87	104	.3886	.5649	-.25	9	@505
5	1.02	.36	3	1.23	.30	-.21	.47	-.45	107	.6507	.2456	-.62	9	@505
5	1.02	.36	4	1.34	.37	-.32	.52	-.62	94	.5364	.6827	1.79	9	@505
5	1.02	.36	7	1.05	.08	-.03	.37	-.07	66	.9425	.7309	-.23	9	@505
7	1.05	.08	1	.71	.29	.33	.30	1.09	102	.2769	.2825	.41	9	@505
7	1.05	.08	2	.63	.26	.41	.28	1.49	149	.1384	.2170	.30	9	@505
7	1.05	.08	3	1.23	.30	-.19	.31	-.60	133	.5515	.4787	.27	9	@505
7	1.05	.08	4	1.34	.37	-.29	.38	-.77	76	.4427	.5120	.75	9	@505
7	1.05	.08	5	1.02	.36	.03	.37	.07	66	.9425	.7309	.23	9	@505
1	.54	.29	2	.43	.26	.11	.39	.29	140	.7734	.7701	.26	10	@516
1	.54	.29	3	.53	.26	.01	.39	.04	138	.9698	.9878	-.30	10	@516
1	.54	.29	4	.09	.32	.46	.43	1.05	110	.2944	.4175	.49	10	@516
1	.54	.29	5	1.17	.36	-.63	.47	-1.34	98	.1832	.3623	-.89	10	@516
1	.54	.29	7	.77	.08	-.23	.31	-.74	101	.4627	.5613	-.38	10	@516
2	.43	.26	1	.54	.29	-.11	.39	-.29	140	.7734	.7701	-.26	10	@516
2	.43	.26	3	.53	.26	-.10	.37	-.27	168	.7910	.8180	.02	10	@516
2	.43	.26	4	.09	.32	.34	.41	.84	120	.4009	.3903	.30	10	@516
2	.43	.26	5	1.17	.36	-.74	.44	-1.66	102	.0991	.6837	.27	10	@516
2	.43	.26	7	.77	.08	-.34	.27	-1.26	150	.2104	.4124	-.35	10	@516
3	.53	.26	1	.54	.29	-.01	.39	-.04	138	.9698	.9878	.30	10	@516
3	.53	.26	2	.43	.26	.10	.37	.27	168	.7910	.8180	-.02	10	@516
3	.53	.26	4	.09	.32	.44	.41	1.07	119	.2872	.6922	.24	10	@516
3	.53	.26	5	1.17	.36	-.64	.45	-1.43	102	.1559	.4307	-.01	10	@516
3	.53	.26	7	.77	.08	-.24	.28	-.87	140	.3859	.6780	-.21	10	@516
4	.09	.32	1	.54	.29	-.46	.43	-1.05	110	.2944	.4175	-.49	10	@516
4	.09	.32	2	.43	.26	-.34	.41	-.84	120	.4009	.3903	-.30	10	@516
4	.09	.32	3	.53	.26	-.44	.41	-1.07	119	.2872	.6922	-.24	10	@516
4	.09	.32	5	1.17	.36	-1.08	.48	-2.25	93	.0271	.1156	-.74	10	@516
4	.09	.32	7	.77	.08	-.68	.33	-2.08	80	.0407	.0738	-.81	10	@516
5	1.17	.36	1	.54	.29	.63	.47	1.34	98	.1832	.3623	.89	10	@516
5	1.17	.36	2	.43	.26	.74	.44	1.66	102	.0991	.6837	-.27	10	@516
5	1.17	.36	3	.53	.26	.64	.45	1.43	102	.1559	.4307	.01	10	@516
5	1.17	.36	4	.09	.32	1.08	.48	2.25	93	.0271	.1156	.74	10	@516

5	1.17	.36	7	.77	.08	.40	.37	1.08	66	.2854	.2824	.28	10	@516
7	.77	.08	1	.54	.29	.23	.31	.74	101	.4627	.5613	.38	10	@516
7	.77	.08	2	.43	.26	.34	.27	1.26	150	.2104	.4124	.35	10	@516
7	.77	.08	3	.53	.26	.24	.28	.87	140	.3859	.6780	.21	10	@516
7	.77	.08	4	.09	.32	.68	.33	2.08	80	.0407	.0738	.81	10	@516
7	.77	.08	5	1.17	.36	-.40	.37	-1.08	66	.2854	.2824	-.28	10	@516
1	.97	.29	2	.50	.26	.47	.39	1.21	141	.2273	.6008	.12	11	@517
1	.97	.29	3	1.14	.29	-.18	.41	-.43	141	.6693	.4461	-.19	11	@517
1	.97	.29	4	.40	.32	.57	.43	1.32	110	.1904	.3452	.35	11	@517
1	.97	.29	5	.42	.35	.55	.45	1.21	99	.2289	.2092	-.51	11	@517
1	.97	.29	7	.79	.08	.18	.30	.59	101	.5550	.4311	.15	11	@517
2	.50	.26	1	.97	.29	-.47	.39	-1.21	141	.2273	.6008	-.12	11	@517
2	.50	.26	3	1.14	.29	-.65	.39	-1.66	167	.0995	.0958	-.57	11	@517
2	.50	.26	4	.40	.32	.10	.41	.25	120	.8066	.7220	.29	11	@517
2	.50	.26	5	.42	.35	.08	.43	.18	104	.8577	.9397	-.03	11	@517
2	.50	.26	7	.79	.08	-.29	.27	-1.08	149	.2832	.2165	-.35	11	@517
3	1.14	.29	1	.97	.29	.18	.41	.43	141	.6693	.4461	.19	11	@517
3	1.14	.29	2	.50	.26	.65	.39	1.66	167	.0995	.0958	.57	11	@517
3	1.14	.29	4	.40	.32	.75	.44	1.72	122	.0889	.0717	.94	11	@517
3	1.14	.29	5	.42	.35	.72	.45	1.59	108	.1142	.1912	-.08	11	@517
3	1.14	.29	7	.79	.08	.35	.30	1.17	133	.2459	.3123	-.13	11	@517
4	.40	.32	1	.97	.29	-.57	.43	-1.32	110	.1904	.3452	-.35	11	@517
4	.40	.32	2	.50	.26	-.10	.41	-.25	120	.8066	.7220	-.29	11	@517
4	.40	.32	3	1.14	.29	-.75	.44	-1.72	122	.0889	.0717	-.94	11	@517
4	.40	.32	5	.42	.35	-.02	.48	-.05	93	.9604	.5001	-.16	11	@517
4	.40	.32	7	.79	.08	-.39	.33	-1.18	80	.2420	.2088	-.45	11	@517
5	.42	.35	1	.97	.29	-.55	.45	-1.21	99	.2289	.2092	.51	11	@517
5	.42	.35	2	.50	.26	-.08	.43	-.18	104	.8577	.9397	.03	11	@517
5	.42	.35	3	1.14	.29	-.72	.45	-1.59	108	.1142	.1912	.08	11	@517
5	.42	.35	4	.40	.32	.02	.48	.05	93	.9604	.5001	.16	11	@517
5	.42	.35	7	.79	.08	-.37	.36	-1.03	67	.3050	.2943	.04	11	@517
7	.79	.08	1	.97	.29	-.18	.30	-.59	101	.5550	.4311	-.15	11	@517
7	.79	.08	2	.50	.26	.29	.27	1.08	149	.2832	.2165	.35	11	@517
7	.79	.08	3	1.14	.29	-.35	.30	-1.17	133	.2459	.3123	.13	11	@517
7	.79	.08	4	.40	.32	.39	.33	1.18	80	.2420	.2088	.45	11	@517
7	.79	.08	5	.42	.35	.37	.36	1.03	67	.3050	.2943	-.04	11	@517
1	1.56	.29	2	1.01	.28	.55	.41	1.34	143	.1832	.4497	-.20	12	@521
1	1.56	.29	3	.98	.28	.58	.41	1.43	140	.1541	.9404	-.31	12	@521
1	1.56	.29	4	.50	.33	1.06	.44	2.40	110	.0179	.4277	-.36	12	@521
1	1.56	.29	5	.79	.35	.77	.46	1.69	99	.0950	.4534	.25	12	@521
1	1.56	.29	7	1.67	.09	-.11	.31	-.37	105	.7119	.3900	-.30	12	@521
2	1.01	.28	1	1.56	.29	-.55	.41	-1.34	143	.1832	.4497	.20	12	@521
2	1.01	.28	3	.98	.28	.04	.40	.09	168	.9260	.4655	.29	12	@521
2	1.01	.28	4	.50	.33	.51	.43	1.18	123	.2391	.2907	.74	12	@521
2	1.01	.28	5	.79	.35	.23	.45	.50	107	.6165	.4358	.67	12	@521
2	1.01	.28	7	1.67	.09	-.66	.30	-2.22	149	.0278	.3536	-.75	12	@521
3	.98	.28	1	1.56	.29	-.58	.41	-1.43	140	.1541	.9404	.31	12	@521
3	.98	.28	2	1.01	.28	-.04	.40	-.09	168	.9260	.4655	-.29	12	@521
3	.98	.28	4	.50	.33	.47	.43	1.10	120	.2734	.5196	.29	12	@521
3	.98	.28	5	.79	.35	.19	.45	.42	106	.6745	.6411	.53	12	@521
3	.98	.28	7	1.67	.09	-.70	.30	-2.36	141	.0196	.1898	-.49	12	@521
4	.50	.33	1	1.56	.29	-1.06	.44	-2.40	110	.0179	.4277	.36	12	@521
4	.50	.33	2	1.01	.28	-.51	.43	-1.18	123	.2391	.2907	-.74	12	@521
4	.50	.33	3	.98	.28	-.47	.43	-1.10	120	.2734	.5196	-.29	12	@521
4	.50	.33	5	.79	.35	-.28	.48	-.59	93	.5544	.7982	.37	12	@521
4	.50	.33	7	1.67	.09	-1.17	.34	-3.46	82	.0009	.0060	-1.27	12	@521
5	.79	.35	1	1.56	.29	-.77	.46	-1.69	99	.0950	.4534	-.25	12	@521
5	.79	.35	2	1.01	.28	-.23	.45	-.50	107	.6165	.4358	-.67	12	@521
5	.79	.35	3	.98	.28	-.19	.45	-.42	106	.6745	.6411	-.53	12	@521
5	.79	.35	4	.50	.33	.28	.48	.59	93	.5544	.7982	-.37	12	@521
5	.79	.35	7	1.67	.09	-.89	.36	-2.44	69	.0171	.0281	-.93	12	@521
7	1.67	.09	1	1.56	.29	.11	.31	.37	105	.7119	.3900	.30	12	@521
7	1.67	.09	2	1.01	.28	.66	.30	2.22	149	.0278	.3536	.75	12	@521
7	1.67	.09	3	.98	.28	.70	.30	2.36	141	.0196	.1898	.49	12	@521
7	1.67	.09	4	.50	.33	1.17	.34	3.46	82	.0009	.0060	1.27	12	@521
7	1.67	.09	5	.79	.35	.89	.36	2.44	69	.0171	.0281	.93	12	@521
1	-1.28	.39	2	-1.11	.24	-.17	.45	-.39	127	.7001	.9507	-.13	13	@534
1	-1.28	.39	3	-1.07	.25	-.21	.46	-.45	127	.6503	.9918	.43	13	@534
1	-1.28	.39	4	-1.82	.36	.53	.53	1.01	112	.3130	.2530	.71	13	@534
1	-1.28	.39	5	-1.67	.44	.39	.58	.67	100	.5031	.5129	.15	13	@534
1	-1.28	.39	7	-1.65	.11	.37	.40	.91	101	.3646	.2667	.69	13	@534
2	-1.11	.24	1	-1.28	.39	.17	.45	.39	127	.7001	.9507	.13	13	@534
2	-1.11	.24	3	-1.07	.25	-.03	.34	-.10	168	.9215	.6729	-.07	13	@534
2	-1.11	.24	4	-1.82	.36	.71	.43	1.65	111	.1026	.1324	.60	13	@534
2	-1.11	.24	5	-1.67	.44	.57	.50	1.14	90	.2584	.5735	-.17	13	@534
2	-1.11	.24	7	-1.65	.11	.54	.26	2.07	182	.0397	.3771	.33	13	@534

3	-1.07	.25	1	-1.28	.39	.21	.46	.45	127	.6503	.9918	-.43	13 @534
3	-1.07	.25	2	-1.11	.24	.03	.34	.10	168	.9215	.6729	.07	13 @534
3	-1.07	.25	4	-1.82	.36	.74	.44	1.70	112	.0923	.1430	.22	13 @534
3	-1.07	.25	5	-1.67	.44	.60	.50	1.19	92	.2367	.3574	.11	13 @534
3	-1.07	.25	7	-1.65	.11	.57	.27	2.11	166	.0362	.1854	.44	13 @534
4	-1.82	.36	1	-1.28	.39	-.53	.53	-1.01	112	.3130	.2530	-.71	13 @534
4	-1.82	.36	2	-1.11	.24	-.71	.43	-1.65	111	.1026	.1324	-.60	13 @534
4	-1.82	.36	3	-1.07	.25	-.74	.44	-1.70	112	.0923	.1430	-.22	13 @534
4	-1.82	.36	5	-1.67	.44	-.14	.57	-.25	92	.8033	.6175	-.53	13 @534
4	-1.82	.36	7	-1.65	.11	-.17	.38	-.45	86	.6534	.2362	-.07	13 @534
5	-1.67	.44	1	-1.28	.39	-.39	.58	-.67	100	.5031	.5129	-.15	13 @534
5	-1.67	.44	2	-1.11	.24	-.57	.50	-1.14	90	.2584	.5735	.17	13 @534
5	-1.67	.44	3	-1.07	.25	-.60	.50	-1.19	92	.2367	.3574	-.11	13 @534
5	-1.67	.44	4	-1.82	.36	.14	.57	.25	92	.8033	.6175	.53	13 @534
5	-1.67	.44	7	-1.65	.11	-.03	.45	-.06	68	.9512	.8346	1.07	13 @534
7	-1.65	.11	1	-1.28	.39	-.37	.40	-.91	101	.3646	.2667	-.69	13 @534
7	-1.65	.11	2	-1.11	.24	-.54	.26	-2.07	182	.0397	.3771	-.33	13 @534
7	-1.65	.11	3	-1.07	.25	-.57	.27	-2.11	166	.0362	.1854	-.44	13 @534
7	-1.65	.11	4	-1.82	.36	.17	.38	.45	86	.6534	.2362	.07	13 @534
7	-1.65	.11	5	-1.67	.44	.03	.45	.06	68	.9512	.8346	-1.07	13 @534
1	-1.00	.36	2	-.72	.23	-.28	.43	-.64	129	.5226	.1201	-.50	14 @536
1	-1.00	.36	3	-.36	.24	-.65	.44	-1.47	129	.1436	.2351	-.37	14 @536
1	-1.00	.36	4	-.51	.31	-.49	.48	-1.03	112	.3063	.4749	-.25	14 @536
1	-1.00	.36	5	-.32	.36	-.68	.51	-1.34	103	.1835	.0687	-.44	14 @536
1	-1.00	.36	7	-.97	.09	-.03	.38	-.08	97	.9378	.6447	.61	14 @536
2	-.72	.23	1	-1.00	.36	.28	.43	.64	129	.5226	.1201	.50	14 @536
2	-.72	.23	3	-.36	.24	-.37	.34	-1.09	168	.2772	.1580	-.57	14 @536
2	-.72	.23	4	-.51	.31	-.22	.39	-.56	116	.5798	.7560	-.27	14 @536
2	-.72	.23	5	-.32	.36	-.40	.43	-.95	99	.3438	.7175	-.04	14 @536
2	-.72	.23	7	-.97	.09	.25	.25	.99	168	.3258	.3585	.07	14 @536
3	-.36	.24	1	-1.00	.36	.65	.44	1.47	129	.1436	.2351	.37	14 @536
3	-.36	.24	2	-.72	.23	.37	.34	1.09	168	.2772	.1580	.57	14 @536
3	-.36	.24	4	-.51	.31	.15	.40	.38	117	.7061	.9816	.17	14 @536
3	-.36	.24	5	-.32	.36	-.04	.43	-.09	99	.9316	.9787	.79	14 @536
3	-.36	.24	7	-.97	.09	.62	.26	2.35	155	.0198	.0300	.64	14 @536
4	-.51	.31	1	-1.00	.36	.49	.48	1.03	112	.3063	.4749	.25	14 @536
4	-.51	.31	2	-.72	.23	.22	.39	.56	116	.5798	.7560	.27	14 @536
4	-.51	.31	3	-.36	.24	-.15	.40	-.38	117	.7061	.9816	-.17	14 @536
4	-.51	.31	5	-.32	.36	-.19	.48	-.39	93	.6939	.7313	-.31	14 @536
4	-.51	.31	7	-.97	.09	.47	.33	1.42	85	.1601	.1066	.46	14 @536
5	-.32	.36	1	-1.00	.36	.68	.51	1.34	103	.1835	.0687	.44	14 @536
5	-.32	.36	2	-.72	.23	.40	.43	.95	99	.3438	.7175	.04	14 @536
5	-.32	.36	3	-.36	.24	.04	.43	.09	99	.9316	.9787	-.79	14 @536
5	-.32	.36	4	-.51	.31	.19	.48	.39	93	.6939	.7313	.31	14 @536
5	-.32	.36	7	-.97	.09	.65	.37	1.77	70	.0807	.0990	.46	14 @536
7	-.97	.09	1	-1.00	.36	.03	.38	.08	97	.9378	.6447	-.61	14 @536
7	-.97	.09	2	-.72	.23	-.25	.25	-.99	168	.3258	.3585	-.07	14 @536
7	-.97	.09	3	-.36	.24	-.62	.26	-2.35	155	.0198	.0300	-.64	14 @536
7	-.97	.09	4	-.51	.31	-.47	.33	-1.42	85	.1601	.1066	-.46	14 @536
7	-.97	.09	5	-.32	.36	-.65	.37	-1.77	70	.0807	.0990	-.46	14 @536
1	-.20	.32	2	-.56	.23	.36	.39	.92	134	.3595	.7748	-.29	15 @562
1	-.20	.32	3	-.71	.24	.51	.40	1.28	133	.2023	.3850	-.37	15 @562
1	-.20	.32	4	-.01	.32	-.19	.45	-.41	112	.6798	.8281	-.77	15 @562
1	-.20	.32	5	-.45	.36	.25	.48	.52	100	.6046	.5394	-.18	15 @562
1	-.20	.32	7	-.04	.08	-.15	.33	-.47	98	.6398	.5446	-.14	15 @562
2	-.56	.23	1	-.20	.32	-.36	.39	-.92	134	.3595	.7748	.29	15 @562
2	-.56	.23	3	-.71	.24	.15	.34	.45	168	.6556	.5929	.04	15 @562
2	-.56	.23	4	-.01	.32	-.55	.39	-1.40	116	.1653	.4074	-.39	15 @562
2	-.56	.23	5	-.45	.36	-.11	.43	-.26	98	.7932	.9539	.03	15 @562
2	-.56	.23	7	-.04	.08	-.52	.25	-2.09	158	.0387	.1442	-.32	15 @562
3	-.71	.24	1	-.20	.32	-.51	.40	-1.28	133	.2023	.3850	.37	15 @562
3	-.71	.24	2	-.56	.23	-.15	.34	-.45	168	.6556	.5929	-.04	15 @562
3	-.71	.24	4	-.01	.32	-.70	.40	-1.75	116	.0824	.3761	-.18	15 @562
3	-.71	.24	5	-.45	.36	-.26	.44	-.61	99	.5461	.4434	.22	15 @562
3	-.71	.24	7	-.04	.08	-.67	.26	-2.59	146	.0106	.0397	-.33	15 @562
4	-.01	.32	1	-.20	.32	.19	.45	.41	112	.6798	.8281	.77	15 @562
4	-.01	.32	2	-.56	.23	.55	.39	1.40	116	.1653	.4074	.39	15 @562
4	-.01	.32	3	-.71	.24	.70	.40	1.75	116	.0824	.3761	.18	15 @562
4	-.01	.32	5	-.45	.36	.44	.48	.91	93	.3663	.3349	.53	15 @562
4	-.01	.32	7	-.04	.08	.03	.33	.10	81	.9244	.9384	.20	15 @562
5	-.45	.36	1	-.20	.32	-.25	.48	-.52	100	.6046	.5394	.18	15 @562
5	-.45	.36	2	-.56	.23	.11	.43	.26	98	.7932	.9539	-.03	15 @562
5	-.45	.36	3	-.71	.24	.26	.44	.61	99	.5461	.4434	-.22	15 @562
5	-.45	.36	4	-.01	.32	-.44	.48	-.91	93	.3663	.3349	-.53	15 @562
5	-.45	.36	7	-.04	.08	-.40	.37	-1.09	66	.2791	.2629	-.07	15 @562
7	-.04	.08	1	-.20	.32	.15	.33	.47	98	.6398	.5446	.14	15 @562

7	-.04	.08	2	-.56	.23	.52	.25	2.09	158	.0387	.1442	.32	15 @562
7	-.04	.08	3	-.71	.24	.67	.26	2.59	146	.0106	.0397	.33	15 @562
7	-.04	.08	4	-.01	.32	-.03	.33	-.10	81	.9244	.9384	-.20	15 @562
7	-.04	.08	5	-.45	.36	.40	.37	1.09	66	.2791	.2629	.07	15 @562
1	.08	.31	2	.50	.26	-.42	.40	-1.04	139	.2983	.3768	-.59	16 @575
1	.08	.31	3	.39	.26	-.31	.40	-.78	137	.4365	.1475	-1.55	16 @575
1	.08	.31	4	.40	.32	-.32	.45	-.71	111	.4790	.7155	-.72	16 @575
1	.08	.31	5	.54	.35	-.46	.46	-.99	100	.3226	.6807	-.20	16 @575
1	.08	.31	7	-.05	.08	.13	.32	.41	99	.6853	.5685	.13	16 @575
2	.50	.26	1	.08	.31	.42	.40	1.04	139	.2983	.3768	.59	16 @575
2	.50	.26	3	.39	.26	.11	.37	.29	168	.7735	.5275	.17	16 @575
2	.50	.26	4	.40	.32	.10	.41	.25	119	.8067	.6868	.41	16 @575
2	.50	.26	5	.54	.35	-.04	.43	-.10	104	.9201	.7577	.00	16 @575
2	.50	.26	7	-.05	.08	.55	.27	2.02	150	.0454	.0635	.41	16 @575
3	.39	.26	1	.08	.31	.31	.40	.78	137	.4365	.1475	1.55	16 @575
3	.39	.26	2	.50	.26	-.11	.37	-.29	168	.7735	.5275	-.17	16 @575
3	.39	.26	4	.40	.32	.00	.41	-.01	118	.9928	.6646	-.05	16 @575
3	.39	.26	5	.54	.35	-.15	.43	-.34	103	.7325	.9769	1.37	16 @575
3	.39	.26	7	-.05	.08	.44	.27	1.63	142	.1062	.1990	.18	16 @575
4	.40	.32	1	.08	.31	.32	.45	.71	111	.4790	.7155	.72	16 @575
4	.40	.32	2	.50	.26	-.10	.41	-.25	119	.8067	.6868	-.41	16 @575
4	.40	.32	3	.39	.26	.00	.41	.01	118	.9928	.6646	.05	16 @575
4	.40	.32	5	.54	.35	-.15	.48	-.30	93	.7612	.8819	.65	16 @575
4	.40	.32	7	-.05	.08	.45	.33	1.33	80	.1864	.2335	.24	16 @575
5	.54	.35	1	.08	.31	.46	.46	.99	100	.3226	.6807	.20	16 @575
5	.54	.35	2	.50	.26	.04	.43	.10	104	.9201	.7577	.00	16 @575
5	.54	.35	3	.39	.26	.15	.43	.34	103	.7325	.9769	-1.37	16 @575
5	.54	.35	4	.40	.32	.15	.48	.30	93	.7612	.8819	-.65	16 @575
5	.54	.35	7	-.05	.08	.59	.36	1.65	67	.1045	.0789	.41	16 @575
7	-.05	.08	1	.08	.31	-.13	.32	-.41	99	.6853	.5685	-.13	16 @575
7	-.05	.08	2	.50	.26	-.55	.27	-2.02	150	.0454	.0635	-.41	16 @575
7	-.05	.08	3	.39	.26	-.44	.27	-1.63	142	.1062	.1990	-.18	16 @575
7	-.05	.08	4	.40	.32	-.45	.33	-1.33	80	.1864	.2335	-.24	16 @575
7	-.05	.08	5	.54	.35	-.59	.36	-1.65	67	.1045	.0789	-.41	16 @575
1	-.75	.35	2	-.45	.23	-.30	.42	-.71	131	.4803	.7185	-.55	17 @727
1	-.75	.35	3	-.36	.24	-.39	.42	-.92	130	.3575	.6137	-.13	17 @727
1	-.75	.35	4	-.70	.32	-.04	.47	-.09	112	.9285	.4071	-.45	17 @727
1	-.75	.35	5	-1.32	.41	.57	.53	1.06	99	.2895	.0636	.69	17 @727
1	-.75	.35	7	-1.15	.10	.40	.36	1.11	101	.2714	.1847	.39	17 @727
2	-.45	.23	1	-.75	.35	.30	.42	.71	131	.4803	.7185	.55	17 @727
2	-.45	.23	3	-.36	.24	-.10	.34	-.28	168	.7783	.7174	-.33	17 @727
2	-.45	.23	4	-.70	.32	.25	.39	.65	116	.5201	.6499	.29	17 @727
2	-.45	.23	5	-1.32	.41	.87	.47	1.84	93	.0683	.3872	.61	17 @727
2	-.45	.23	7	-1.15	.10	.70	.25	2.74	171	.0068	.0379	.54	17 @727
3	-.36	.24	1	-.75	.35	.39	.42	.92	130	.3575	.6137	.13	17 @727
3	-.36	.24	2	-.45	.23	.10	.34	.28	168	.7783	.7174	.33	17 @727
3	-.36	.24	4	-.70	.32	.35	.40	.87	116	.3838	.6302	-.05	17 @727
3	-.36	.24	5	-1.32	.41	.96	.47	2.03	94	.0455	.2857	.95	17 @727
3	-.36	.24	7	-1.15	.10	.79	.26	3.01	157	.0030	.0225	.68	17 @727
4	-.70	.32	1	-.75	.35	.04	.47	.09	112	.9285	.4071	.45	17 @727
4	-.70	.32	2	-.45	.23	-.25	.39	-.65	116	.5201	.6499	-.29	17 @727
4	-.70	.32	3	-.36	.24	-.35	.40	-.87	116	.3838	.6302	.05	17 @727
4	-.70	.32	5	-1.32	.41	.61	.52	1.19	91	.2385	.4694	.32	17 @727
4	-.70	.32	7	-1.15	.10	.44	.33	1.33	86	.1867	.4033	.42	17 @727
5	-1.32	.41	1	-.75	.35	-.57	.53	-1.06	99	.2895	.0636	-.69	17 @727
5	-1.32	.41	2	-.45	.23	-.87	.47	-1.84	93	.0683	.3872	-.61	17 @727
5	-1.32	.41	3	-.36	.24	-.96	.47	-2.03	94	.0455	.2857	-.95	17 @727
5	-1.32	.41	4	-.70	.32	-.61	.52	-1.19	91	.2385	.4694	-.32	17 @727
5	-1.32	.41	7	-1.15	.10	-.17	.42	-.41	67	.6846	.6062	.25	17 @727
7	-1.15	.10	1	-.75	.35	-.40	.36	-1.11	101	.2714	.1847	-.39	17 @727
7	-1.15	.10	2	-.45	.23	-.70	.25	-2.74	171	.0068	.0379	-.54	17 @727
7	-1.15	.10	3	-.36	.24	-.79	.26	-3.01	157	.0030	.0225	-.68	17 @727
7	-1.15	.10	4	-.70	.32	-.44	.33	-1.33	86	.1867	.4033	-.42	17 @727
7	-1.15	.10	5	-1.32	.41	.17	.42	.41	67	.6846	.6062	-.25	17 @727
1	-1.44	.40	2	-1.90	.26	.46	.48	.97	129	.3344	.3704	1.45	18 @728
1	-1.44	.40	3	-1.20	.25	-.24	.47	-.50	126	.6163	.1563	.39	18 @728
1	-1.44	.40	4	-1.34	.33	-.10	.52	-.19	112	.8471	.9863	.15	18 @728
1	-1.44	.40	5	-1.49	.42	.05	.58	.09	101	.9279	.1334	.69	18 @728
1	-1.44	.40	7	-1.33	.10	-.10	.41	-.25	97	.8056	.7919	.78	18 @728
2	-1.90	.26	1	-1.44	.40	-.46	.48	-.97	129	.3344	.3704	-1.45	18 @728
2	-1.90	.26	3	-1.20	.25	-.70	.36	-1.93	168	.0553	.0174	-.92	18 @728
2	-1.90	.26	4	-1.34	.33	-.56	.42	-1.33	119	.1871	.1496	-.88	18 @728
2	-1.90	.26	5	-1.49	.42	-.41	.50	-.82	96	.4114	.2046	-.70	18 @728
2	-1.90	.26	7	-1.33	.10	-.56	.28	-2.02	165	.0454	.0094	-.82	18 @728
3	-1.20	.25	1	-1.44	.40	.24	.47	.50	126	.6163	.1563	-.39	18 @728
3	-1.20	.25	2	-1.90	.26	.70	.36	1.93	168	.0553	.0174	.92	18 @728

3	-1.20	.25	4	-1.34	.33	.14	.42	.33	115	.7451	.9207	-.40	18	@728
3	-1.20	.25	5	-1.49	.42	.29	.49	.59	94	.5568	.9889	.29	18	@728
3	-1.20	.25	7	-1.33	.10	.14	.27	.50	158	.6185	.9730	.10	18	@728
4	-1.34	.33	1	-1.44	.40	.10	.52	.19	112	.8471	.9863	-.15	18	@728
4	-1.34	.33	2	-1.90	.26	.56	.42	1.33	119	.1871	.1496	.88	18	@728
4	-1.34	.33	3	-1.20	.25	-.14	.42	-.33	115	.7451	.9207	.40	18	@728
4	-1.34	.33	5	-1.49	.42	.15	.54	.28	91	.7765	.8890	-.69	18	@728
4	-1.34	.33	7	-1.33	.10	.00	.35	.00	86	.9977	.5202	.38	18	@728
5	-1.49	.42	1	-1.44	.40	-.05	.58	-.09	101	.9279	.1334	-.69	18	@728
5	-1.49	.42	2	-1.90	.26	.41	.50	.82	96	.4114	.2046	.70	18	@728
5	-1.49	.42	3	-1.20	.25	-.29	.49	-.59	94	.5568	.9889	-.29	18	@728
5	-1.49	.42	4	-1.34	.33	-.15	.54	-.28	91	.7765	.8890	.69	18	@728
5	-1.49	.42	7	-1.33	.10	-.15	.43	-.36	67	.7233	.5596	-.05	18	@728
7	-1.33	.10	1	-1.44	.40	.10	.41	.25	97	.8056	.7919	-.78	18	@728
7	-1.33	.10	2	-1.90	.26	.56	.28	2.02	165	.0454	.0094	.82	18	@728
7	-1.33	.10	3	-1.20	.25	-.14	.27	-.50	158	.6185	.9730	-.10	18	@728
7	-1.33	.10	4	-1.34	.33	.00	.35	.00	86	.9977	.5202	-.38	18	@728
7	-1.33	.10	5	-1.49	.42	.15	.43	.36	67	.7233	.5596	.05	18	@728
1	.00	.31	2	-.12	.24	.12	.39	.30	136	.7679	.6415	.38	19	@729
1	.00	.31	3	-.83	.24	.83	.39	2.11	135	.0370	.0149	.89	19	@729
1	.00	.31	4	-.60	.32	.60	.44	1.37	111	.1734	.3215	-.04	19	@729
1	.00	.31	5	-.44	.36	.44	.47	.93	99	.3552	.4721	.58	19	@729
1	.00	.31	7	-.44	.09	.44	.32	1.38	101	.1720	.1547	.52	19	@729
2	-.12	.24	1	.00	.31	-.12	.39	-.30	136	.7679	.6415	-.38	19	@729
2	-.12	.24	3	-.83	.24	.71	.34	2.09	168	.0383	.0210	.60	19	@729
2	-.12	.24	4	-.60	.32	.49	.40	1.24	117	.2189	.0826	.57	19	@729
2	-.12	.24	5	-.44	.36	.33	.43	.75	99	.4535	.3570	.89	19	@729
2	-.12	.24	7	-.44	.09	.33	.25	1.28	159	.2022	.4389	.20	19	@729
3	-.83	.24	1	.00	.31	-.83	.39	-2.11	135	.0370	.0149	-.89	19	@729
3	-.83	.24	2	-.12	.24	-.71	.34	-2.09	168	.0383	.0210	-.60	19	@729
3	-.83	.24	4	-.60	.32	-.23	.40	-.56	117	.5739	.6378	.00	19	@729
3	-.83	.24	5	-.44	.36	-.39	.44	-.89	99	.3750	.1872	.36	19	@729
3	-.83	.24	7	-.44	.09	-.39	.26	-1.50	148	.1369	.0487	-.28	19	@729
4	-.60	.32	1	.00	.31	-.60	.44	-1.37	111	.1734	.3215	.04	19	@729
4	-.60	.32	2	-.12	.24	-.49	.40	-1.24	117	.2189	.0826	-.57	19	@729
4	-.60	.32	3	-.83	.24	.23	.40	.56	117	.5739	.6378	.00	19	@729
4	-.60	.32	5	-.44	.36	-.16	.48	-.34	93	.7338	.9694	.79	19	@729
4	-.60	.32	7	-.44	.09	-.16	.33	-.50	82	.6187	.6381	.07	19	@729
5	-.44	.36	1	.00	.31	-.44	.47	-.93	99	.3552	.4721	-.58	19	@729
5	-.44	.36	2	-.12	.24	-.33	.43	-.75	99	.4535	.3570	-.89	19	@729
5	-.44	.36	3	-.83	.24	.39	.44	.89	99	.3750	.1872	-.36	19	@729
5	-.44	.36	4	-.60	.32	.16	.48	.34	93	.7338	.9694	-.79	19	@729
5	-.44	.36	7	-.44	.09	.00	.37	.00	67	1.000	.9500	-.30	19	@729
7	-.44	.09	1	.00	.31	-.44	.32	-1.38	101	.1720	.1547	-.52	19	@729
7	-.44	.09	2	-.12	.24	-.33	.25	-1.28	159	.2022	.4389	-.20	19	@729
7	-.44	.09	3	-.83	.24	.39	.26	1.50	148	.1369	.0487	.28	19	@729
7	-.44	.09	4	-.60	.32	.16	.33	.50	82	.6187	.6381	-.07	19	@729
7	-.44	.09	5	-.44	.36	.00	.37	.00	67	1.000	.9500	.30	19	@729
1	.00	.31	2	-.12	.24	.12	.39	.29	136	.7685	.1539	.64	20	@733
1	.00	.31	3	-.18	.25	.18	.40	.44	135	.6576	.0892	.38	20	@733
1	.00	.31	4	.29	.32	-.29	.45	-.66	111	.5138	.9095	-.87	20	@733
1	.00	.31	5	-.32	.36	.32	.47	.67	100	.5026	.4874	.08	20	@733
1	.00	.31	7	-.35	.09	.35	.32	1.09	100	.2764	.2115	.67	20	@733
2	-.12	.24	1	.00	.31	-.12	.39	-.29	136	.7685	.1539	-.64	20	@733
2	-.12	.24	3	-.18	.25	.06	.34	.18	168	.8609	.6659	.27	20	@733
2	-.12	.24	4	.29	.32	-.41	.40	-1.02	117	.3108	.0441	-.56	20	@733
2	-.12	.24	5	-.32	.36	.20	.43	.47	99	.6383	.6669	.26	20	@733
2	-.12	.24	7	-.35	.09	.24	.25	.93	158	.3541	.9195	.09	20	@733
3	-.18	.25	1	.00	.31	-.18	.40	-.44	135	.6576	.0892	-.38	20	@733
3	-.18	.25	2	-.12	.24	-.06	.34	-.18	168	.8609	.6659	-.27	20	@733
3	-.18	.25	4	.29	.32	-.47	.40	-1.16	116	.2497	.1515	.02	20	@733
3	-.18	.25	5	-.32	.36	.14	.43	.33	99	.7431	.7234	-.11	20	@733
3	-.18	.25	7	-.35	.09	.18	.26	.68	147	.4999	.9708	.08	20	@733
4	.29	.32	1	.00	.31	.29	.45	.66	111	.5138	.9095	.87	20	@733
4	.29	.32	2	-.12	.24	.41	.40	1.02	117	.3108	.0441	.56	20	@733
4	.29	.32	3	-.18	.25	.47	.40	1.16	116	.2497	.1515	-.02	20	@733
4	.29	.32	5	-.32	.36	.61	.48	1.27	93	.2070	.3886	.90	20	@733
4	.29	.32	7	-.35	.09	.64	.33	1.94	81	.0563	.1650	.51	20	@733
5	-.32	.36	1	.00	.31	-.32	.47	-.67	100	.5026	.4874	-.08	20	@733
5	-.32	.36	2	-.12	.24	-.20	.43	-.47	99	.6383	.6669	-.26	20	@733
5	-.32	.36	3	-.18	.25	-.14	.43	-.33	99	.7431	.7234	.11	20	@733
5	-.32	.36	4	.29	.32	-.61	.48	-1.27	93	.2070	.3886	-.90	20	@733
5	-.32	.36	7	-.35	.09	.03	.37	.09	67	.9274	.9037	.16	20	@733
7	-.35	.09	1	.00	.31	-.35	.32	-1.09	100	.2764	.2115	-.67	20	@733
7	-.35	.09	2	-.12	.24	-.24	.25	-.93	158	.3541	.9195	-.09	20	@733
7	-.35	.09	3	-.18	.25	-.18	.26	-.68	147	.4999	.9708	-.08	20	@733

7	-.35	.09	4	.29	.32	-.64	.33	-1.94	81	.0563	.1650	-.51	20 @733
7	-.35	.09	5	-.32	.36	-.03	.37	-.09	67	.9274	.9037	-.16	20 @733

Size of Mantel-Haenszel slice: MHSLICE = .010 logits

Category 1 = Asian, Category 2 = Black, Non-Hispanic, Category 3 = Hispanic, Category 4 = American Indian or Alaskan Native, Category 5 = Multiracial, Category 6 = Pacific Islander (omitted due to a lack of cases), Category 7 = White, Non-Hispanic

APPENDIX H

DIF CONTRASTS FOR DRAFT 6th GRADE TEST

Appendix H

DIF Contrasts for Draft 6th Grade Test

TABLE 30.1 6th_raw_de 6th_draft_3_25_items_distractor_out.txt Apr 21 11:19 2013
INPUT: 1440 PERSON 25 ITEM MEASURED: 1440 PERSON 25 ITEM 50 CATS WINSTEPS 3.69.1.14

DIF class specification is: DIF=@737 (Gender)

PERSON CLASS	DIF MEASURE	DIF S.E.	PERSON CLASS	DIF MEASURE	DIF S.E.	DIF CONTRAST	JOINT S.E.	Welch t	Welch d.f.	Welch Prob.	Mantel Prob.	Hanzl Size	ITEM Number	ITEM Name
1	-1.57	.10	2	-1.76	.10	.19	.15	1.29	INF	.1957	.1287	.14	1	@181
2	-1.76	.10	1	-1.57	.10	-.19	.15	-1.29	INF	.1957	.1287	-.14	1	@181
1	2.11	.11	2	2.11	.11	.00	.15	.00	INF	1.000	.7066	-.03	2	@200
2	2.11	.11	1	2.11	.11	.00	.15	.00	INF	1.000	.7066	.03	2	@200
1	-.38	.08	2	-.60	.08	.22	.12	1.84	INF	.0655	.1152	.17	3	@202
2	-.60	.08	1	-.38	.08	-.22	.12	-1.84	INF	.0655	.1152	-.17	3	@202
1	-.59	.09	2	-.68	.08	.09	.12	.78	INF	.4371	.3804	.11	4	@204
2	-.68	.08	1	-.59	.09	-.09	.12	-.78	INF	.4371	.3804	-.11	4	@204
1	.48	.08	2	.48	.08	.00	.12	.00	INF	1.000	.9861	.00	5	@211
2	.48	.08	1	.48	.08	.00	.12	.00	INF	1.000	.9861	.00	5	@211
1	-.24	.08	2	-.36	.08	.11	.12	.96	INF	.3358	.2620	.11	6	@212
2	-.36	.08	1	-.24	.08	-.11	.12	-.96	INF	.3358	.2620	-.11	6	@212
1	-.18	.08	2	.08	.08	-.26	.12	-2.20	INF	.0278	.0251	-.26	7	@225
2	.08	.08	1	-.18	.08	.26	.12	2.20	INF	.0278	.0251	.26	7	@225
1	-.76	.09	2	-.76	.09	.00	.12	.00	INF	1.000	.9465	.02	8	@226
2	-.76	.09	1	-.76	.09	.00	.12	.00	INF	1.000	.9465	-.02	8	@226
1	-1.01	.09	2	-.99	.09	-.02	.13	-.17	INF	.8650	.7303	-.07	9	@239
2	-.99	.09	1	-1.01	.09	.02	.13	.17	INF	.8650	.7303	.07	9	@239
1	1.24	.09	2	.88	.09	.36	.12	2.87	INF	.0042	.0093	.30	10	@262
2	.88	.09	1	1.24	.09	-.36	.12	-2.87	INF	.0042	.0093	-.30	10	@262
1	.39	.08	2	.58	.08	-.19	.12	-1.61	INF	.1075	.1039	-.18	11	@274
2	.58	.08	1	.39	.08	.19	.12	1.61	INF	.1075	.1039	.18	11	@274
1	.65	.08	2	.65	.08	.00	.12	.00	INF	1.000	.7958	.02	12	@278
2	.65	.08	1	.65	.08	.00	.12	.00	INF	1.000	.7958	-.02	12	@278
1	-.26	.08	2	-.26	.08	.00	.12	.00	INF	1.000	.5787	.07	13	@279
2	-.26	.08	1	-.26	.08	.00	.12	.00	INF	1.000	.5787	-.07	13	@279
1	-.31	.08	2	-.58	.08	.27	.12	2.27	INF	.0234	.0110	.32	14	@281
2	-.58	.08	1	-.31	.08	-.27	.12	-2.27	INF	.0234	.0110	-.32	14	@281
1	-.77	.09	2	-.64	.08	-.12	.12	-1.01	INF	.3125	.4964	-.11	15	@282
2	-.64	.08	1	-.77	.09	.12	.12	1.01	INF	.3125	.4964	.11	15	@282
1	.15	.08	2	.05	.08	.10	.12	.86	INF	.3882	.4503	.07	16	@295
2	.05	.08	1	.15	.08	-.10	.12	-.86	INF	.3882	.4503	-.07	16	@295
1	-.79	.09	2	-.93	.09	.14	.12	1.11	INF	.2651	.1988	.09	17	@296
2	-.93	.09	1	-.79	.09	-.14	.12	-1.11	INF	.2651	.1988	-.09	17	@296
1	-.53	.09	2	-.27	.08	-.26	.12	-2.19	INF	.0285	.0262	-.28	18	@302
2	-.27	.08	1	-.53	.09	.26	.12	2.19	INF	.0285	.0262	.28	18	@302
1	1.05	.09	2	1.27	.09	-.22	.13	-1.76	INF	.0794	.0786	-.24	19	@327
2	1.27	.09	1	1.05	.09	.22	.13	1.76	INF	.0794	.0786	.24	19	@327
1	.80	.09	2	.80	.09	.00	.12	.00	INF	1.000	.8846	-.02	20	@586
2	.80	.09	1	.80	.09	.00	.12	.00	INF	1.000	.8846	.02	20	@586
1	-.19	.08	2	.24	.08	-.44	.12	-3.74	INF	.0002	.0002	-.46	21	@596
2	.24	.08	1	-.19	.08	.44	.12	3.74	INF	.0002	.0002	.46	21	@596
1	1.26	.09	2	.88	.09	.38	.13	3.06	INF	.0022	.0084	.31	22	@603
2	.88	.09	1	1.26	.09	-.38	.13	-3.06	INF	.0022	.0084	-.31	22	@603
1	-.34	.08	2	-.34	.08	.00	.12	.00	INF	1.000	.9868	-.03	23	@605
2	-.34	.08	1	-.34	.08	.00	.12	.00	INF	1.000	.9868	.03	23	@605
1	-.32	.08	2	-.32	.08	.00	.12	.00	INF	1.000	.8923	.02	24	@608
2	-.32	.08	1	-.32	.08	.00	.12	.00	INF	1.000	.8923	-.02	24	@608
1	.16	.08	2	.44	.08	-.28	.12	-2.40	INF	.0167	.0193	-.29	25	@611
2	.44	.08	1	.16	.08	.28	.12	2.40	INF	.0167	.0193	.29	25	@611

Size of Mantel-Haenszel slice: MHSLICE = .010 logits

Category 1 - Female, Category 2 = Male

TABLE 30.1 6th_raw_de 6th_draft_3_25_items_distractor_out.txt Apr 21 11:19 2013
INPUT: 1440 PERSON 25 ITEM MEASURED: 1440 PERSON 25 ITEM 50 CATS WINSTEPS 3.69.1.14

DIF class specification is: DIF=@738 (Race/Ethnicity)

PERSON CLASS	DIF MEASURE	DIF S.E.	PERSON CLASS	DIF MEASURE	DIF S.E.	DIF CONTRAST	JOINT S.E.	t	Welch d.f.	Welch Prob.	MantelHanzl Prob.	ITEM Size	ITEM Number	Name
1	-1.62	.34	2	-1.19	.29	-.43	.44	-.98	154	.3287	.1039	-.83	1	@181
1	-1.62	.34	3	-1.59	.27	-.04	.43	-.09	173	.9300	.7302	.12	1	@181
1	-1.62	.34	4	-1.80	.41	.18	.53	.33	100	.7423	.5119	1.10	1	@181
1	-1.62	.34	5	-1.24	.29	-.38	.45	-.86	169	.3932	.6854	-.78	1	@181
1	-1.62	.34	7	-1.75	.09	.12	.35	.36	144	.7210	.4353	.85	1	@181
2	-1.19	.29	1	-1.62	.34	.43	.44	.98	154	.3287	.1039	.83	1	@181
2	-1.19	.29	3	-1.59	.27	.40	.39	1.01	142	.3151	.1327	.45	1	@181
2	-1.19	.29	4	-1.80	.41	.61	.50	1.21	86	.2281	.1299	.21	1	@181
2	-1.19	.29	5	-1.24	.29	.05	.41	.13	140	.9004	.5220	-.43	1	@181
2	-1.19	.29	7	-1.75	.09	.56	.30	1.86	107	.0650	.0363	.77	1	@181
3	-1.59	.27	1	-1.62	.34	.04	.43	.09	173	.9300	.7302	-.12	1	@181
3	-1.59	.27	2	-1.19	.29	-.40	.39	-1.01	142	.3151	.1327	-.45	1	@181
3	-1.59	.27	4	-1.80	.41	.21	.49	.43	88	.6652	.4326	.01	1	@181
3	-1.59	.27	5	-1.24	.29	-.34	.40	-.87	159	.3870	.3106	-.49	1	@181
3	-1.59	.27	7	-1.75	.09	.16	.28	.58	142	.5651	.7715	.57	1	@181
4	-1.80	.41	1	-1.62	.34	-.18	.53	-.33	100	.7423	.5119	-1.10	1	@181
4	-1.80	.41	2	-1.19	.29	-.61	.50	-1.21	86	.2281	.1299	-.21	1	@181
4	-1.80	.41	3	-1.59	.27	-.21	.49	-.43	88	.6652	.4326	-.01	1	@181
4	-1.80	.41	5	-1.24	.29	-.56	.50	-1.10	91	.2726	.1190	-1.74	1	@181
4	-1.80	.41	7	-1.75	.09	-.05	.42	-.12	56	.9041	.8660	.93	1	@181
5	-1.24	.29	1	-1.62	.34	.38	.45	.86	169	.3932	.6854	.78	1	@181
5	-1.24	.29	2	-1.19	.29	-.05	.41	-.13	140	.9004	.5220	.43	1	@181
5	-1.24	.29	3	-1.59	.27	.34	.40	.87	159	.3870	.3106	.49	1	@181
5	-1.24	.29	4	-1.80	.41	.56	.50	1.10	91	.2726	.1190	1.74	1	@181
5	-1.24	.29	7	-1.75	.09	.51	.30	1.66	129	.0992	.1058	1.41	1	@181
7	-1.75	.09	1	-1.62	.34	-.12	.35	-.36	144	.7210	.4353	-.85	1	@181
7	-1.75	.09	2	-1.19	.29	-.56	.30	-1.86	107	.0650	.0363	-.77	1	@181
7	-1.75	.09	3	-1.59	.27	-.16	.28	-.58	142	.5651	.7715	-.57	1	@181
7	-1.75	.09	4	-1.80	.41	.05	.42	.12	56	.9041	.8660	-.93	1	@181
7	-1.75	.09	5	-1.24	.29	-.51	.30	-1.66	129	.0992	.1058	-1.41	1	@181
1	3.15	.33	2	1.08	.31	2.07	.45	4.57	153	.0000	.0044	1.06	2	@200
1	3.15	.33	3	1.92	.35	1.23	.49	2.53	172	.0123	.4099	.39	2	@200
1	3.15	.33	4	.62	.37	2.54	.50	5.11	105	.0000	.0079	.38	2	@200
1	3.15	.33	5	2.32	.33	.83	.47	1.77	169	.0784	.1949	.40	2	@200
1	3.15	.33	7	2.14	.09	1.02	.35	2.94	147	.0038	.1674	-.10	2	@200
2	1.08	.31	1	3.15	.33	-2.07	.45	-4.57	153	.0000	.0044	-1.06	2	@200
2	1.08	.31	3	1.92	.35	-.84	.47	-1.80	145	.0745	.0396	-.81	2	@200
2	1.08	.31	4	.62	.37	.46	.48	.96	92	.3374	.3468	-.57	2	@200
2	1.08	.31	5	2.32	.33	-1.24	.45	-2.76	141	.0066	.0689	-.41	2	@200
2	1.08	.31	7	2.14	.09	-1.06	.32	-3.30	106	.0013	.0173	-.95	2	@200
3	1.92	.35	1	3.15	.33	-1.23	.49	-2.53	172	.0123	.4099	-.39	2	@200
3	1.92	.35	2	1.08	.31	.84	.47	1.80	145	.0745	.0396	.81	2	@200
3	1.92	.35	4	.62	.37	1.30	.51	2.56	104	.0119	.0247	-.11	2	@200
3	1.92	.35	5	2.32	.33	-.40	.48	-.83	159	.4088	.7470	.11	2	@200
3	1.92	.35	7	2.14	.09	-.22	.37	-.59	128	.5567	.5571	-.63	2	@200
4	.62	.37	1	3.15	.33	-2.54	.50	-5.11	105	.0000	.0079	-.38	2	@200
4	.62	.37	2	1.08	.31	-.46	.48	-.96	92	.3374	.3468	.57	2	@200
4	.62	.37	3	1.92	.35	-1.30	.51	-2.56	104	.0119	.0247	.11	2	@200
4	.62	.37	5	2.32	.33	-1.70	.49	-3.46	100	.0008	.0559	-.02	2	@200
4	.62	.37	7	2.14	.09	-1.52	.38	-4.03	60	.0002	.0015	-1.26	2	@200
5	2.32	.33	1	3.15	.33	-.83	.47	-1.77	169	.0784	.1949	-.40	2	@200
5	2.32	.33	2	1.08	.31	1.24	.45	2.76	141	.0066	.0689	.41	2	@200
5	2.32	.33	3	1.92	.35	.40	.48	.83	159	.4088	.7470	-.11	2	@200
5	2.32	.33	4	.62	.37	1.70	.49	3.46	100	.0008	.0559	.02	2	@200
5	2.32	.33	7	2.14	.09	.19	.34	.54	125	.5885	.8723	-.61	2	@200
7	2.14	.09	1	3.15	.33	-1.02	.35	-2.94	147	.0038	.1674	.10	2	@200
7	2.14	.09	2	1.08	.31	1.06	.32	3.30	106	.0013	.0173	.95	2	@200
7	2.14	.09	3	1.92	.35	.22	.37	.59	128	.5567	.5571	.63	2	@200
7	2.14	.09	4	.62	.37	1.52	.38	4.03	60	.0002	.0015	1.26	2	@200
7	2.14	.09	5	2.32	.33	-.19	.34	-.54	125	.5885	.8723	.61	2	@200
1	-.40	.25	2	-.30	.26	-.10	.37	-.27	149	.7875	.2945	-.85	3	@202
1	-.40	.25	3	-.60	.24	.20	.35	.56	173	.5732	.8110	-.13	3	@202
1	-.40	.25	4	-.71	.34	.31	.43	.72	95	.4739	.7569	-.65	3	@202
1	-.40	.25	5	-.56	.26	.16	.36	.43	168	.6650	.8296	-.69	3	@202
1	-.40	.25	7	-.49	.07	.08	.26	.32	147	.7474	.9937	.14	3	@202
2	-.30	.26	1	-.40	.25	.10	.37	.27	149	.7875	.2945	.85	3	@202

2	-.30	.26	3	-.60	.24	.29	.36	.83	141	.4080	.5995	.28	3 @202
2	-.30	.26	4	-.71	.34	.41	.43	.94	89	.3519	.4018	-.05	3 @202
2	-.30	.26	5	-.56	.26	.26	.37	.69	140	.4911	.6341	-.02	3 @202
2	-.30	.26	7	-.49	.07	.18	.27	.67	100	.5030	.3823	.40	3 @202
3	-.60	.24	1	-.40	.25	-.20	.35	-.56	173	.5732	.8110	.13	3 @202
3	-.60	.24	2	-.30	.26	-.29	.36	-.83	141	.4080	.5995	-.28	3 @202
3	-.60	.24	4	-.71	.34	.11	.42	.27	90	.7904	.8950	-.79	3 @202
3	-.60	.24	5	-.56	.26	-.04	.35	-.11	159	.9151	.7878	-.16	3 @202
3	-.60	.24	7	-.49	.07	-.11	.25	-.45	135	.6531	.9543	.09	3 @202
4	-.71	.34	1	-.40	.25	-.31	.43	-.72	95	.4739	.7569	.65	3 @202
4	-.71	.34	2	-.30	.26	-.41	.43	-.94	89	.3519	.4018	.05	3 @202
4	-.71	.34	3	-.60	.24	-.11	.42	-.27	90	.7904	.8950	.79	3 @202
4	-.71	.34	5	-.56	.26	-.15	.43	-.34	93	.7310	.7734	.02	3 @202
4	-.71	.34	7	-.49	.07	-.22	.35	-.63	55	.5285	.7387	.29	3 @202
5	-.56	.26	1	-.40	.25	-.16	.36	-.43	168	.6650	.8296	.69	3 @202
5	-.56	.26	2	-.30	.26	-.26	.37	-.69	140	.4911	.6341	.02	3 @202
5	-.56	.26	3	-.60	.24	.04	.35	.11	159	.9151	.7878	.16	3 @202
5	-.56	.26	4	-.71	.34	.15	.43	.34	93	.7310	.7734	-.02	3 @202
5	-.56	.26	7	-.49	.07	-.07	.27	-.27	123	.7867	.7879	.43	3 @202
7	-.49	.07	1	-.40	.25	-.08	.26	-.32	147	.7474	.9937	-.14	3 @202
7	-.49	.07	2	-.30	.26	-.18	.27	-.67	100	.5030	.3823	-.40	3 @202
7	-.49	.07	3	-.60	.24	.11	.25	.45	135	.6531	.9543	-.09	3 @202
7	-.49	.07	4	-.71	.34	.22	.35	.63	55	.5285	.7387	-.29	3 @202
7	-.49	.07	5	-.56	.26	.07	.27	.27	123	.7867	.7879	-.43	3 @202
1	-.82	.27	2	-.66	.27	-.16	.38	-.41	151	.6805	.5117	-.40	4 @204
1	-.82	.27	3	-.60	.24	-.22	.36	-.60	173	.5499	.4544	-.52	4 @204
1	-.82	.27	4	-.01	.34	-.81	.44	-1.83	98	.0696	.1597	.04	4 @204
1	-.82	.27	5	-.85	.27	.03	.39	.08	168	.9369	.7471	-.21	4 @204
1	-.82	.27	7	-.63	.07	-.18	.28	-.65	144	.5198	.6661	-.05	4 @204
2	-.66	.27	1	-.82	.27	.16	.38	.41	151	.6805	.5117	.40	4 @204
2	-.66	.27	3	-.60	.24	-.06	.36	-.16	141	.8702	.8725	.04	4 @204
2	-.66	.27	4	-.01	.34	-.65	.44	-1.48	90	.1413	.1039	.66	4 @204
2	-.66	.27	5	-.85	.27	.19	.38	.49	140	.6229	.4124	.07	4 @204
2	-.66	.27	7	-.63	.07	-.02	.28	-.09	101	.9321	.7158	-.02	4 @204
3	-.60	.24	1	-.82	.27	.22	.36	.60	173	.5499	.4544	.52	4 @204
3	-.60	.24	2	-.66	.27	.06	.36	.16	141	.8702	.8725	-.04	4 @204
3	-.60	.24	4	-.01	.34	-.59	.42	-1.41	90	.1623	.1672	.50	4 @204
3	-.60	.24	5	-.85	.27	.25	.36	.68	158	.4949	.7292	-.26	4 @204
3	-.60	.24	7	-.63	.07	.03	.25	.14	136	.8877	.9853	-.02	4 @204
4	-.01	.34	1	-.82	.27	.81	.44	1.83	98	.0696	.1597	-.04	4 @204
4	-.01	.34	2	-.66	.27	.65	.44	1.48	90	.1413	.1039	-.66	4 @204
4	-.01	.34	3	-.60	.24	.59	.42	1.41	90	.1623	.1672	-.50	4 @204
4	-.01	.34	5	-.85	.27	.84	.44	1.91	95	.0597	.1253	-.32	4 @204
4	-.01	.34	7	-.63	.07	.62	.35	1.78	56	.0809	.0656	-.11	4 @204
5	-.85	.27	1	-.82	.27	-.03	.39	-.08	168	.9369	.7471	.21	4 @204
5	-.85	.27	2	-.66	.27	-.19	.38	-.49	140	.6229	.4124	-.07	4 @204
5	-.85	.27	3	-.60	.24	-.25	.36	-.68	158	.4949	.7292	.26	4 @204
5	-.85	.27	4	-.01	.34	-.84	.44	-1.91	95	.0597	.1253	.32	4 @204
5	-.85	.27	7	-.63	.07	-.21	.28	-.75	122	.4517	.4388	.11	4 @204
7	-.63	.07	1	-.82	.27	.18	.28	.65	144	.5198	.6661	.05	4 @204
7	-.63	.07	2	-.66	.27	.02	.28	.09	101	.9321	.7158	.02	4 @204
7	-.63	.07	3	-.60	.24	-.03	.25	-.14	136	.8877	.9853	.02	4 @204
7	-.63	.07	4	-.01	.34	-.62	.35	-1.78	56	.0809	.0656	.11	4 @204
7	-.63	.07	5	-.85	.27	.21	.28	.75	122	.4517	.4388	-.11	4 @204
1	.80	.23	2	.48	.28	.33	.36	.90	145	.3699	.2123	-.03	5 @211
1	.80	.23	3	.63	.26	.17	.35	.50	172	.6154	.9830	.10	5 @211
1	.80	.23	4	.48	.36	.33	.43	.76	89	.4507	.2145	.20	5 @211
1	.80	.23	5	.80	.26	.00	.35	.01	167	.9911	.9114	-.14	5 @211
1	.80	.23	7	.41	.07	.39	.24	1.59	151	.1137	.1390	.31	5 @211
2	.48	.28	1	.80	.23	-.33	.36	-.90	145	.3699	.2123	.03	5 @211
2	.48	.28	3	.63	.26	-.15	.38	-.40	142	.6888	.5833	.03	5 @211
2	.48	.28	4	.48	.36	.00	.46	.00	89	1.000	.8355	-.22	5 @211
2	.48	.28	5	.80	.26	-.32	.38	-.85	139	.3952	.3254	.16	5 @211
2	.48	.28	7	.41	.07	.06	.29	.21	98	.8310	.6644	.23	5 @211
3	.63	.26	1	.80	.23	-.17	.35	-.50	172	.6154	.9830	-.10	5 @211
3	.63	.26	2	.48	.28	.15	.38	.40	142	.6888	.5833	-.03	5 @211
3	.63	.26	4	.48	.36	.15	.44	.34	91	.7332	.1861	.73	5 @211
3	.63	.26	5	.80	.26	-.17	.36	-.47	159	.6386	.5467	-.47	5 @211
3	.63	.26	7	.41	.07	.21	.27	.80	129	.4242	.2695	-.22	5 @211
4	.48	.36	1	.80	.23	-.33	.43	-.76	89	.4507	.2145	-.20	5 @211
4	.48	.36	2	.48	.28	.00	.46	.00	89	1.000	.8355	.22	5 @211
4	.48	.36	3	.63	.26	-.15	.44	-.34	91	.7332	.1861	-.73	5 @211
4	.48	.36	5	.80	.26	-.32	.44	-.73	91	.4692	.3714	.82	5 @211
4	.48	.36	7	.41	.07	.06	.37	.17	54	.8688	.7943	-.02	5 @211
5	.80	.26	1	.80	.23	.00	.35	-.01	167	.9911	.9114	.14	5 @211
5	.80	.26	2	.48	.28	.32	.38	.85	139	.3952	.3254	-.16	5 @211

5	.80	.26	3	.63	.26	.17	.36	.47	159	.6386	.5467	.47	5	@211
5	.80	.26	4	.48	.36	.32	.44	.73	91	.4692	.3714	-.82	5	@211
5	.80	.26	7	.41	.07	.38	.27	1.44	123	.1514	.1161	.35	5	@211
7	.41	.07	1	.80	.23	-.39	.24	-1.59	151	.1137	.1390	-.31	5	@211
7	.41	.07	2	.48	.28	-.06	.29	-.21	98	.8310	.6644	-.23	5	@211
7	.41	.07	3	.63	.26	-.21	.27	-.80	129	.4242	.2695	.22	5	@211
7	.41	.07	4	.48	.36	-.06	.37	-.17	54	.8688	.7943	.02	5	@211
7	.41	.07	5	.80	.26	-.38	.27	-1.44	123	.1514	.1161	-.35	5	@211
1	-.34	.25	2	-.30	.26	-.04	.36	-.11	149	.9148	.1496	-.24	6	@212
1	-.34	.25	3	.13	.24	-.47	.35	-1.36	173	.1754	.4544	-.18	6	@212
1	-.34	.25	4	-.59	.34	.25	.42	.60	95	.5521	.2794	.66	6	@212
1	-.34	.25	5	-.30	.26	-.04	.36	-.11	168	.9134	.6259	-.26	6	@212
1	-.34	.25	7	-.32	.07	-.02	.26	-.07	147	.9448	.8336	.21	6	@212
2	-.30	.26	1	-.34	.25	.04	.36	.11	149	.9148	.1496	.24	6	@212
2	-.30	.26	3	.13	.24	-.43	.36	-1.21	141	.2266	.1576	-.21	6	@212
2	-.30	.26	4	-.59	.34	.29	.43	.68	89	.5008	.7465	.88	6	@212
2	-.30	.26	5	-.30	.26	.00	.37	.00	140	1.000	.6479	-.20	6	@212
2	-.30	.26	7	-.32	.07	.02	.27	.08	100	.9387	.9160	.25	6	@212
3	.13	.24	1	-.34	.25	.47	.35	1.36	173	.1754	.4544	.18	6	@212
3	.13	.24	2	-.30	.26	.43	.36	1.21	141	.2266	.1576	.21	6	@212
3	.13	.24	4	-.59	.34	.73	.42	1.74	91	.0858	.3145	.55	6	@212
3	.13	.24	5	-.30	.26	.43	.35	1.24	159	.2184	.2295	.10	6	@212
3	.13	.24	7	-.32	.07	.46	.25	1.82	133	.0713	.0789	.44	6	@212
4	-.59	.34	1	-.34	.25	-.25	.42	-.60	95	.5521	.2794	-.66	6	@212
4	-.59	.34	2	-.30	.26	-.29	.43	-.68	89	.5008	.7465	-.88	6	@212
4	-.59	.34	3	.13	.24	-.73	.42	-1.74	91	.0858	.3145	-.55	6	@212
4	-.59	.34	5	-.30	.26	-.29	.43	-.68	93	.4956	.7323	-.53	6	@212
4	-.59	.34	7	-.32	.07	-.27	.35	-.78	55	.4399	.3394	-.45	6	@212
5	-.30	.26	1	-.34	.25	.04	.36	.11	168	.9134	.6259	.26	6	@212
5	-.30	.26	2	-.30	.26	.00	.37	.00	140	1.000	.6479	.20	6	@212
5	-.30	.26	3	.13	.24	-.43	.35	-1.24	159	.2184	.2295	-.10	6	@212
5	-.30	.26	4	-.59	.34	.29	.43	.68	93	.4956	.7323	.53	6	@212
5	-.30	.26	7	-.32	.07	.02	.26	.08	123	.9368	.9447	.39	6	@212
7	-.32	.07	1	-.34	.25	.02	.26	.07	147	.9448	.8336	-.21	6	@212
7	-.32	.07	2	-.30	.26	-.02	.27	-.08	100	.9387	.9160	-.25	6	@212
7	-.32	.07	3	.13	.24	-.46	.25	-1.82	133	.0713	.0789	-.44	6	@212
7	-.32	.07	4	-.59	.34	.27	.35	.78	55	.4399	.3394	.45	6	@212
7	-.32	.07	5	-.30	.26	-.02	.26	-.08	123	.9368	.9447	-.39	6	@212
1	-.40	.25	2	-.16	.26	-.24	.37	-.65	149	.5155	.9609	-.07	7	@225
1	-.40	.25	3	.08	.24	-.48	.35	-1.37	173	.1715	.4213	-.25	7	@225
1	-.40	.25	4	.90	.39	-1.31	.46	-2.82	90	.0059	.0208	-.76	7	@225
1	-.40	.25	5	-.23	.26	-.18	.36	-.49	168	.6266	.8147	-.05	7	@225
1	-.40	.25	7	-.05	.07	-.35	.26	-1.35	146	.1792	.2978	-.07	7	@225
2	-.16	.26	1	-.40	.25	.24	.37	.65	149	.5155	.9609	.07	7	@225
2	-.16	.26	3	.08	.24	-.24	.36	-.67	141	.5017	.5667	-.30	7	@225
2	-.16	.26	4	.90	.39	-1.07	.47	-2.28	85	.0254	.0372	-.81	7	@225
2	-.16	.26	5	-.23	.26	.06	.37	.17	140	.8629	.5330	-.08	7	@225
2	-.16	.26	7	-.05	.07	-.11	.27	-.42	100	.6746	.5978	-.12	7	@225
3	.08	.24	1	-.40	.25	.48	.35	1.37	173	.1715	.4213	.25	7	@225
3	.08	.24	2	-.16	.26	.24	.36	.67	141	.5017	.5667	.30	7	@225
3	.08	.24	4	.90	.39	-.83	.46	-1.81	86	.0732	.0700	-.81	7	@225
3	.08	.24	5	-.23	.26	.30	.35	.87	159	.3864	.7160	.23	7	@225
3	.08	.24	7	-.05	.07	.13	.25	.50	133	.6147	.8499	.12	7	@225
4	.90	.39	1	-.40	.25	1.31	.46	2.82	90	.0059	.0208	.76	7	@225
4	.90	.39	2	-.16	.26	1.07	.47	2.28	85	.0254	.0372	.81	7	@225
4	.90	.39	3	.08	.24	.83	.46	1.81	86	.0732	.0700	.81	7	@225
4	.90	.39	5	-.23	.26	1.13	.46	2.44	88	.0168	.0552	1.20	7	@225
4	.90	.39	7	-.05	.07	.95	.39	2.42	53	.0189	.0234	.92	7	@225
5	-.23	.26	1	-.40	.25	.18	.36	.49	168	.6266	.8147	.05	7	@225
5	-.23	.26	2	-.16	.26	-.06	.37	-.17	140	.8629	.5330	.08	7	@225
5	-.23	.26	3	.08	.24	-.30	.35	-.87	159	.3864	.7160	-.23	7	@225
5	-.23	.26	4	.90	.39	-1.13	.46	-2.44	88	.0168	.0552	-1.20	7	@225
5	-.23	.26	7	-.05	.07	-.18	.26	-.68	123	.4996	.5037	-.21	7	@225
7	-.05	.07	1	-.40	.25	.35	.26	1.35	146	.1792	.2978	.07	7	@225
7	-.05	.07	2	-.16	.26	.11	.27	.42	100	.6746	.5978	.12	7	@225
7	-.05	.07	3	.08	.24	-.13	.25	-.50	133	.6147	.8499	-.12	7	@225
7	-.05	.07	4	.90	.39	-.95	.39	-2.42	53	.0189	.0234	-.92	7	@225
7	-.05	.07	5	-.23	.26	.18	.26	.68	123	.4996	.5037	.21	7	@225
1	-.82	.27	2	-.80	.27	-.01	.38	-.03	151	.9751	.8478	-.06	8	@226
1	-.82	.27	3	-1.00	.24	.19	.37	.51	173	.6093	.3849	.36	8	@226
1	-.82	.27	4	-1.08	.36	.26	.45	.58	97	.5608	.6581	.50	8	@226
1	-.82	.27	5	-1.00	.28	.18	.39	.47	168	.6410	.5322	.22	8	@226
1	-.82	.27	7	-.70	.07	-.12	.28	-.42	144	.6776	.7577	.05	8	@226
2	-.80	.27	1	-.82	.27	.01	.38	.03	151	.9751	.8478	.06	8	@226
2	-.80	.27	3	-1.00	.24	.20	.37	.55	141	.5860	.6548	.25	8	@226
2	-.80	.27	4	-1.08	.36	.27	.45	.61	89	.5426	.7881	.53	8	@226

2	-.80	.27	5	-1.00	.28	.19	.39	.50	140	.6187	.8289	-.07	8	@226
2	-.80	.27	7	-.70	.07	-.11	.28	-.37	100	.7085	.7700	.26	8	@226
3	-1.00	.24	1	-.82	.27	-.19	.37	-.51	173	.6093	.3849	-.36	8	@226
3	-1.00	.24	2	-.80	.27	-.20	.37	-.55	141	.5860	.6548	-.25	8	@226
3	-1.00	.24	4	-1.08	.36	.07	.43	.17	90	.8632	.6949	.03	8	@226
3	-1.00	.24	5	-1.00	.28	-.01	.37	-.01	158	.9887	.8999	-.06	8	@226
3	-1.00	.24	7	-.70	.07	-.30	.25	-1.20	134	.2328	.1807	-.19	8	@226
4	-1.08	.36	1	-.82	.27	-.26	.45	-.58	97	.5608	.6581	-.50	8	@226
4	-1.08	.36	2	-.80	.27	-.27	.45	-.61	89	.5426	.7881	-.53	8	@226
4	-1.08	.36	3	-1.00	.24	-.07	.43	-.17	90	.8632	.6949	-.03	8	@226
4	-1.08	.36	5	-1.00	.28	-.08	.45	-.18	94	.8602	.6848	-1.05	8	@226
4	-1.08	.36	7	-.70	.07	-.38	.36	-1.04	55	.3016	.2954	-.30	8	@226
5	-1.00	.28	1	-.82	.27	-.18	.39	-.47	168	.6410	.5322	-.22	8	@226
5	-1.00	.28	2	-.80	.27	-.19	.39	-.50	140	.6187	.8289	.07	8	@226
5	-1.00	.28	3	-1.00	.24	.01	.37	.01	158	.9887	.8999	.06	8	@226
5	-1.00	.28	4	-1.08	.36	.08	.45	.18	94	.8602	.6848	1.05	8	@226
5	-1.00	.28	7	-.70	.07	-.30	.29	-1.04	121	.2998	.2752	-.07	8	@226
7	-.70	.07	1	-.82	.27	.12	.28	.42	144	.6776	.7577	-.05	8	@226
7	-.70	.07	2	-.80	.27	.11	.28	.37	100	.7085	.7700	-.26	8	@226
7	-.70	.07	3	-1.00	.24	.30	.25	1.20	134	.2328	.1807	.19	8	@226
7	-.70	.07	4	-1.08	.36	.38	.36	1.04	55	.3016	.2954	.30	8	@226
7	-.70	.07	5	-1.00	.28	.30	.29	1.04	121	.2998	.2752	.07	8	@226
1	-1.74	.35	2	-.80	.27	-.94	.44	-2.12	155	.0356	.0883	-.65	9	@239
1	-1.74	.35	3	-1.25	.25	-.49	.43	-1.14	172	.2547	.5433	-.02	9	@239
1	-1.74	.35	4	-.48	.34	-1.27	.49	-2.59	110	.0108	.0283	-1.39	9	@239
1	-1.74	.35	5	-.92	.28	-.82	.44	-1.85	169	.0667	.0293	-.51	9	@239
1	-1.74	.35	7	-.96	.07	-.78	.36	-2.19	133	.0306	.0245	-.32	9	@239
2	-.80	.27	1	-1.74	.35	.94	.44	2.12	155	.0356	.0883	.65	9	@239
2	-.80	.27	3	-1.25	.25	.45	.37	1.20	142	.2314	.1620	.37	9	@239
2	-.80	.27	4	-.48	.34	-.33	.44	-.75	90	.4548	.6010	-.71	9	@239
2	-.80	.27	5	-.92	.28	.12	.39	.30	140	.7618	.4580	.48	9	@239
2	-.80	.27	7	-.96	.07	.16	.28	.56	102	.5745	.4853	.27	9	@239
3	-1.25	.25	1	-1.74	.35	.49	.43	1.14	172	.2547	.5433	.02	9	@239
3	-1.25	.25	2	-.80	.27	-.45	.37	-1.20	142	.2314	.1620	-.37	9	@239
3	-1.25	.25	4	-.48	.34	-.77	.42	-1.82	93	.0715	.0559	-1.26	9	@239
3	-1.25	.25	5	-.92	.28	-.33	.37	-.88	159	.3807	.5295	-.27	9	@239
3	-1.25	.25	7	-.96	.07	-.29	.26	-1.09	135	.2758	.2633	-.10	9	@239
4	-.48	.34	1	-1.74	.35	1.27	.49	2.59	110	.0108	.0283	1.39	9	@239
4	-.48	.34	2	-.80	.27	.33	.44	.75	90	.4548	.6010	.71	9	@239
4	-.48	.34	3	-1.25	.25	.77	.42	1.82	93	.0715	.0559	1.26	9	@239
4	-.48	.34	5	-.92	.28	.44	.44	1.02	96	.3126	.3497	.51	9	@239
4	-.48	.34	7	-.96	.07	.49	.35	1.39	57	.1688	.1334	.75	9	@239
5	-.92	.28	1	-1.74	.35	.82	.44	1.85	169	.0667	.0293	.51	9	@239
5	-.92	.28	2	-.80	.27	-.12	.39	-.30	140	.7618	.4580	-.48	9	@239
5	-.92	.28	3	-1.25	.25	.33	.37	.88	159	.3807	.5295	.27	9	@239
5	-.92	.28	4	-.48	.34	-.44	.44	-1.02	96	.3126	.3497	-.51	9	@239
5	-.92	.28	7	-.96	.07	.04	.28	.14	123	.8859	.9890	.23	9	@239
7	-.96	.07	1	-1.74	.35	.78	.36	2.19	133	.0306	.0245	.32	9	@239
7	-.96	.07	2	-.80	.27	-.16	.28	-.56	102	.5745	.4853	-.27	9	@239
7	-.96	.07	3	-1.25	.25	.29	.26	1.09	135	.2758	.2633	.10	9	@239
7	-.96	.07	4	-.48	.34	-.49	.35	-1.39	57	.1688	.1334	-.75	9	@239
7	-.96	.07	5	-.92	.28	-.04	.28	-.14	123	.8859	.9890	-.23	9	@239
1	1.02	.24	2	.81	.29	.21	.37	.56	143	.5731	.3644	.04	10	@262
1	1.02	.24	3	.56	.25	.46	.35	1.33	172	.1855	.3960	.15	10	@262
1	1.02	.24	4	.23	.35	.79	.42	1.87	91	.0644	.5069	.71	10	@262
1	1.02	.24	5	1.05	.26	-.03	.35	-.08	166	.9325	.7533	.03	10	@262
1	1.02	.24	7	1.14	.07	-.11	.25	-.46	156	.6460	.3725	-.32	10	@262
2	.81	.29	1	1.02	.24	-.21	.37	-.56	143	.5731	.3644	-.04	10	@262
2	.81	.29	3	.56	.25	.25	.39	.64	140	.5208	.9979	-.30	10	@262
2	.81	.29	4	.23	.35	.58	.46	1.27	92	.2071	.5523	.61	10	@262
2	.81	.29	5	1.05	.26	-.24	.39	-.62	138	.5395	.5670	-.04	10	@262
2	.81	.29	7	1.14	.07	-.33	.30	-1.08	99	.2817	.4256	-.74	10	@262
3	.56	.25	1	1.02	.24	-.46	.35	-1.33	172	.1855	.3960	-.15	10	@262
3	.56	.25	2	.81	.29	-.25	.39	-.64	140	.5208	.9979	.30	10	@262
3	.56	.25	4	.23	.35	.33	.43	.76	92	.4473	.4243	.98	10	@262
3	.56	.25	5	1.05	.26	-.49	.37	-1.34	159	.1821	.2426	-.09	10	@262
3	.56	.25	7	1.14	.07	-.57	.26	-2.17	134	.0316	.1088	-.40	10	@262
4	.23	.35	1	1.02	.24	-.79	.42	-1.87	91	.0644	.5069	-.71	10	@262
4	.23	.35	2	.81	.29	-.58	.46	-1.27	92	.2071	.5523	-.61	10	@262
4	.23	.35	3	.56	.25	-.33	.43	-.76	92	.4473	.4243	-.98	10	@262
4	.23	.35	5	1.05	.26	-.82	.44	-1.87	93	.0644	.4590	-.59	10	@262
4	.23	.35	7	1.14	.07	-.90	.36	-2.52	56	.0144	.0263	-1.25	10	@262
5	1.05	.26	1	1.02	.24	.03	.35	.08	166	.9325	.7533	-.03	10	@262
5	1.05	.26	2	.81	.29	.24	.39	.62	138	.5395	.5670	.04	10	@262
5	1.05	.26	3	.56	.25	.49	.37	1.34	159	.1821	.2426	.09	10	@262
5	1.05	.26	4	.23	.35	.82	.44	1.87	93	.0644	.4590	.59	10	@262

5	1.05	.26	7	1.14	.07	-.08	.27	-.31	126	.7605	.8368	-.22	10	@262
7	1.14	.07	1	1.02	.24	.11	.25	.46	156	.6460	.3725	.32	10	@262
7	1.14	.07	2	.81	.29	.33	.30	1.08	99	.2817	.4256	.74	10	@262
7	1.14	.07	3	.56	.25	.57	.26	2.17	134	.0316	.1088	.40	10	@262
7	1.14	.07	4	.23	.35	.90	.36	2.52	56	.0144	.0263	1.25	10	@262
7	1.14	.07	5	1.05	.26	.08	.27	.31	126	.7605	.8368	.22	10	@262
1	.36	.24	2	.26	.27	.10	.36	.28	146	.7830	.7622	.06	11	@274
1	.36	.24	3	.69	.26	-.33	.35	-.95	172	.3458	.7240	-.04	11	@274
1	.36	.24	4	-.13	.34	.49	.42	1.18	92	.2413	.1096	-.03	11	@274
1	.36	.24	5	1.00	.26	-.64	.35	-1.81	166	.0720	.0574	-.38	11	@274
1	.36	.24	7	.49	.07	-.12	.25	-.50	151	.6152	.4806	-.23	11	@274
2	.26	.27	1	.36	.24	-.10	.36	-.28	146	.7830	.7622	-.06	11	@274
2	.26	.27	3	.69	.26	-.43	.38	-1.15	142	.2530	.3860	-.42	11	@274
2	.26	.27	4	-.13	.34	.39	.44	.90	90	.3726	.1974	-.18	11	@274
2	.26	.27	5	1.00	.26	-.74	.38	-1.96	140	.0524	.2210	-.29	11	@274
2	.26	.27	7	.49	.07	-.22	.28	-.80	99	.4271	.5956	-.22	11	@274
3	.69	.26	1	.36	.24	.33	.35	.95	172	.3458	.7240	.04	11	@274
3	.69	.26	2	.26	.27	.43	.38	1.15	142	.2530	.3860	.42	11	@274
3	.69	.26	4	-.13	.34	.82	.43	1.91	94	.0588	.1089	-.22	11	@274
3	.69	.26	5	1.00	.26	-.31	.37	-.83	159	.4075	.5757	-.04	11	@274
3	.69	.26	7	.49	.07	.21	.27	.78	129	.4396	.2365	.17	11	@274
4	-.13	.34	1	.36	.24	-.49	.42	-1.18	92	.2413	.1096	.03	11	@274
4	-.13	.34	2	.26	.27	-.39	.44	-.90	90	.3726	.1974	.18	11	@274
4	-.13	.34	3	.69	.26	-.82	.43	-1.91	94	.0588	.1089	.22	11	@274
4	-.13	.34	5	1.00	.26	-1.13	.43	-2.62	93	.0103	.0119	-.23	11	@274
4	-.13	.34	7	.49	.07	-.61	.35	-1.76	55	.0841	.1298	-.04	11	@274
5	1.00	.26	1	.36	.24	.64	.35	1.81	166	.0720	.0574	.38	11	@274
5	1.00	.26	2	.26	.27	.74	.38	1.96	140	.0524	.2210	.29	11	@274
5	1.00	.26	3	.69	.26	.31	.37	.83	159	.4075	.5757	.04	11	@274
5	1.00	.26	4	-.13	.34	1.13	.43	2.62	93	.0103	.0119	.23	11	@274
5	1.00	.26	7	.49	.07	.51	.27	1.90	122	.0595	.0654	.31	11	@274
7	.49	.07	1	.36	.24	.12	.25	.50	151	.6152	.4806	.23	11	@274
7	.49	.07	2	.26	.27	.22	.28	.80	99	.4271	.5956	.22	11	@274
7	.49	.07	3	.69	.26	-.21	.27	-.78	129	.4396	.2365	-.17	11	@274
7	.49	.07	4	-.13	.34	.61	.35	1.76	55	.0841	.1298	.04	11	@274
7	.49	.07	5	1.00	.26	-.51	.27	-1.90	122	.0595	.0654	-.31	11	@274
1	.65	.23	2	.49	.28	.16	.36	.45	145	.6565	.5215	-.09	12	@278
1	.65	.23	3	.56	.25	.09	.35	.26	172	.7989	.3290	-.98	12	@278
1	.65	.23	4	.76	.38	-.11	.44	-.24	87	.8093	.9291	2.20	12	@278
1	.65	.23	5	.28	.25	.37	.34	1.07	167	.2870	.2839	.09	12	@278
1	.65	.23	7	.69	.07	-.04	.24	-.17	152	.8673	.7772	-.18	12	@278
2	.49	.28	1	.65	.23	-.16	.36	-.45	145	.6565	.5215	.09	12	@278
2	.49	.28	3	.56	.25	-.07	.38	-.20	141	.8452	.9995	.04	12	@278
2	.49	.28	4	.76	.38	-.27	.47	-.57	88	.5670	.5345	1.10	12	@278
2	.49	.28	5	.28	.25	.21	.37	.55	138	.5844	.6143	.33	12	@278
2	.49	.28	7	.69	.07	-.20	.29	-.71	99	.4801	.4606	-.27	12	@278
3	.56	.25	1	.65	.23	-.09	.35	-.26	172	.7989	.3290	.98	12	@278
3	.56	.25	2	.49	.28	.07	.38	.20	141	.8452	.9995	-.04	12	@278
3	.56	.25	4	.76	.38	-.20	.46	-.43	89	.6683	.6327	1.79	12	@278
3	.56	.25	5	.28	.25	.28	.36	.78	159	.4366	.4946	-.02	12	@278
3	.56	.25	7	.69	.07	-.13	.26	-.49	131	.6249	.5925	-.27	12	@278
4	.76	.38	1	.65	.23	.11	.44	.24	87	.8093	.9291	-2.20	12	@278
4	.76	.38	2	.49	.28	.27	.47	.57	88	.5670	.5345	-1.10	12	@278
4	.76	.38	3	.56	.25	.20	.46	.43	89	.6683	.6327	-1.79	12	@278
4	.76	.38	5	.28	.25	.47	.45	1.05	88	.2985	.8793	+.	12	@278
4	.76	.38	7	.69	.07	.07	.38	.17	54	.8626	.9420	-1.73	12	@278
5	.28	.25	1	.65	.23	-.37	.34	-1.07	167	.2870	.2839	-.09	12	@278
5	.28	.25	2	.49	.28	-.21	.37	-.55	138	.5844	.6143	-.33	12	@278
5	.28	.25	3	.56	.25	-.28	.36	-.78	159	.4366	.4946	.02	12	@278
5	.28	.25	4	.76	.38	-.47	.45	-1.05	88	.2985	.8793	-.	12	@278
5	.28	.25	7	.69	.07	-.41	.26	-1.56	125	.1205	.0992	-.45	12	@278
7	.69	.07	1	.65	.23	.04	.24	.17	152	.8673	.7772	.18	12	@278
7	.69	.07	2	.49	.28	.20	.29	.71	99	.4801	.4606	.27	12	@278
7	.69	.07	3	.56	.25	.13	.26	.49	131	.6249	.5925	.27	12	@278
7	.69	.07	4	.76	.38	-.07	.38	-.17	54	.8626	.9420	1.73	12	@278
7	.69	.07	5	.28	.25	.41	.26	1.56	125	.1205	.0992	.45	12	@278
1	.02	.24	2	.19	.27	-.17	.36	-.47	147	.6426	.6866	-.12	13	@279
1	.02	.24	3	-.10	.24	.12	.34	.35	173	.7295	.4327	.34	13	@279
1	.02	.24	4	-.48	.34	.50	.42	1.19	93	.2354	.0690	.86	13	@279
1	.02	.24	5	-.03	.25	.06	.35	.16	168	.8703	.8099	-.65	13	@279
1	.02	.24	7	-.33	.07	.35	.25	1.39	149	.1660	.0744	.64	13	@279
2	.19	.27	1	.02	.24	.17	.36	.47	147	.6426	.6866	.12	13	@279
2	.19	.27	3	-.10	.24	.29	.36	.79	141	.4284	.5202	-.08	13	@279
2	.19	.27	4	-.48	.34	.67	.43	1.53	90	.1283	.1224	1.09	13	@279
2	.19	.27	5	-.03	.25	.23	.37	.61	139	.5431	.5881	-.55	13	@279
2	.19	.27	7	-.33	.07	.52	.28	1.86	99	.0657	.1062	.33	13	@279

3	-.10	.24	1	.02	.24	-.12	.34	-.35	173	.7295	.4327	-.34	13	@279
3	-.10	.24	2	.19	.27	-.29	.36	-.79	141	.4284	.5202	.08	13	@279
3	-.10	.24	4	-.48	.34	.38	.42	.92	91	.3613	.4334	.38	13	@279
3	-.10	.24	5	-.03	.25	-.06	.35	-.17	159	.8626	.7617	-.33	13	@279
3	-.10	.24	7	-.33	.07	.23	.25	.93	134	.3515	.5195	.25	13	@279
4	-.48	.34	1	.02	.24	-.50	.42	-1.19	93	.2354	.0690	-.86	13	@279
4	-.48	.34	2	.19	.27	-.67	.43	-1.53	90	.1283	.1224	-1.09	13	@279
4	-.48	.34	3	-.10	.24	-.38	.42	-.92	91	.3613	.4334	-.38	13	@279
4	-.48	.34	5	-.03	.25	-.44	.42	-1.04	92	.3009	.5354	-1.18	13	@279
4	-.48	.34	7	-.33	.07	-.15	.35	-.43	55	.6673	.4757	-.28	13	@279
5	-.03	.25	1	.02	.24	-.06	.35	-.16	168	.8703	.8099	.65	13	@279
5	-.03	.25	2	.19	.27	-.23	.37	-.61	139	.5431	.5881	.55	13	@279
5	-.03	.25	3	-.10	.24	.06	.35	.17	159	.8626	.7617	.33	13	@279
5	-.03	.25	4	-.48	.34	.44	.42	1.04	92	.3009	.5354	1.18	13	@279
5	-.03	.25	7	-.33	.07	.29	.26	1.11	124	.2676	.1585	.69	13	@279
7	-.33	.07	1	.02	.24	-.35	.25	-1.39	149	.1660	.0744	-.64	13	@279
7	-.33	.07	2	.19	.27	-.52	.28	-1.86	99	.0657	.1062	-.33	13	@279
7	-.33	.07	3	-.10	.24	-.23	.25	-.93	134	.3515	.5195	-.25	13	@279
7	-.33	.07	4	-.48	.34	.15	.35	.43	55	.6673	.4757	.28	13	@279
7	-.33	.07	5	-.03	.25	-.29	.26	-1.11	124	.2676	.1585	-.69	13	@279
1	-.10	.24	2	.19	.27	-.29	.36	-.79	147	.4331	.3092	-.83	14	@281
1	-.10	.24	3	-.49	.24	.39	.34	1.15	173	.2502	.4901	-.18	14	@281
1	-.10	.24	4	-.36	.34	.27	.42	.63	94	.5281	.9147	.19	14	@281
1	-.10	.24	5	-.70	.27	.61	.36	1.68	167	.0953	.3401	.41	14	@281
1	-.10	.24	7	-.50	.07	.41	.25	1.61	149	.1102	.0800	.59	14	@281
2	.19	.27	1	-.10	.24	.29	.36	.79	147	.4331	.3092	.83	14	@281
2	.19	.27	3	-.49	.24	.68	.36	1.89	140	.0608	.0152	.35	14	@281
2	.19	.27	4	-.36	.34	.55	.43	1.27	90	.2078	.1304	1.36	14	@281
2	.19	.27	5	-.70	.27	.89	.38	2.35	140	.0200	.0510	.65	14	@281
2	.19	.27	7	-.50	.07	.69	.28	2.49	100	.0143	.0136	.71	14	@281
3	-.49	.24	1	-.10	.24	-.39	.34	-1.15	173	.2502	.4901	.18	14	@281
3	-.49	.24	2	.19	.27	-.68	.36	-1.89	140	.0608	.0152	-.35	14	@281
3	-.49	.24	4	-.36	.34	-.13	.41	-.31	91	.7606	.9497	.77	14	@281
3	-.49	.24	5	-.70	.27	.21	.36	.60	158	.5487	.8187	.43	14	@281
3	-.49	.24	7	-.50	.07	.02	.25	.06	135	.9513	.6857	-.01	14	@281
4	-.36	.34	1	-.10	.24	-.27	.42	-.63	94	.5281	.9147	-.19	14	@281
4	-.36	.34	2	.19	.27	-.55	.43	-1.27	90	.2078	.1304	-1.36	14	@281
4	-.36	.34	3	-.49	.24	.13	.41	.31	91	.7606	.9497	-.77	14	@281
4	-.36	.34	5	-.70	.27	.34	.43	.79	94	.4325	.6386	-.45	14	@281
4	-.36	.34	7	-.50	.07	.14	.35	.41	56	.6848	.9965	-.06	14	@281
5	-.70	.27	1	-.10	.24	-.61	.36	-1.68	167	.0953	.3401	-.41	14	@281
5	-.70	.27	2	.19	.27	-.89	.38	-2.35	140	.0200	.0510	-.65	14	@281
5	-.70	.27	3	-.49	.24	-.21	.36	-.60	158	.5487	.8187	-.43	14	@281
5	-.70	.27	4	-.36	.34	-.34	.43	-.79	94	.4325	.6386	.45	14	@281
5	-.70	.27	7	-.50	.07	-.20	.28	-.72	122	.4709	.5527	-.19	14	@281
7	-.50	.07	1	-.10	.24	-.41	.25	-1.61	149	.1102	.0800	-.59	14	@281
7	-.50	.07	2	.19	.27	-.69	.28	-2.49	100	.0143	.0136	-.71	14	@281
7	-.50	.07	3	-.49	.24	-.02	.25	-.06	135	.9513	.6857	.01	14	@281
7	-.50	.07	4	-.36	.34	-.14	.35	-.41	56	.6848	.9965	.06	14	@281
7	-.50	.07	5	-.70	.27	.20	.28	.72	122	.4709	.5527	.19	14	@281
1	-.82	.27	2	-.52	.27	-.30	.38	-.79	151	.4314	.5405	.29	15	@282
1	-.82	.27	3	-.43	.24	-.38	.36	-1.07	173	.2879	.9445	.19	15	@282
1	-.82	.27	4	-.24	.34	-.57	.44	-1.31	99	.1936	.7038	.26	15	@282
1	-.82	.27	5	-.56	.26	-.25	.38	-.67	169	.5024	.9204	-.07	15	@282
1	-.82	.27	7	-.76	.07	-.05	.28	-.19	144	.8506	.7621	.48	15	@282
2	-.52	.27	1	-.82	.27	.30	.38	.79	151	.4314	.5405	-.29	15	@282
2	-.52	.27	3	-.43	.24	-.08	.36	-.24	141	.8137	.9679	.09	15	@282
2	-.52	.27	4	-.24	.34	-.27	.43	-.63	90	.5328	.6999	-.32	15	@282
2	-.52	.27	5	-.56	.26	.05	.37	.12	140	.9015	.9942	-.60	15	@282
2	-.52	.27	7	-.76	.07	.25	.28	.90	102	.3708	.5887	.05	15	@282
3	-.43	.24	1	-.82	.27	.38	.36	1.07	173	.2879	.9445	-.19	15	@282
3	-.43	.24	2	-.52	.27	.08	.36	.24	141	.8137	.9679	-.09	15	@282
3	-.43	.24	4	-.24	.34	-.19	.41	-.45	91	.6536	.7924	.16	15	@282
3	-.43	.24	5	-.56	.26	.13	.35	.37	159	.7125	.7600	-.28	15	@282
3	-.43	.24	7	-.76	.07	.33	.25	1.34	137	.1812	.4418	.15	15	@282
4	-.24	.34	1	-.82	.27	.57	.44	1.31	99	.1936	.7038	-.26	15	@282
4	-.24	.34	2	-.52	.27	.27	.43	.63	90	.5328	.6999	.32	15	@282
4	-.24	.34	3	-.43	.24	.19	.41	.45	91	.6536	.7924	-.16	15	@282
4	-.24	.34	5	-.56	.26	.32	.43	.74	94	.4628	.6510	-.95	15	@282
4	-.24	.34	7	-.76	.07	.52	.35	1.49	56	.1422	.2942	.23	15	@282
5	-.56	.26	1	-.82	.27	.25	.38	.67	169	.5024	.9204	.07	15	@282
5	-.56	.26	2	-.52	.27	-.05	.37	-.12	140	.9015	.9942	.60	15	@282
5	-.56	.26	3	-.43	.24	-.13	.35	-.37	159	.7125	.7600	.28	15	@282
5	-.56	.26	4	-.24	.34	-.32	.43	-.74	94	.4628	.6510	.95	15	@282
5	-.56	.26	7	-.76	.07	.20	.27	.74	124	.4603	.5459	.27	15	@282
7	-.76	.07	1	-.82	.27	.05	.28	.19	144	.8506	.7621	-.48	15	@282

7	-.76	.07	2	-.52	.27	-.25	.28	-.90	102	.3708	.5887	-.05	15	@282
7	-.76	.07	3	-.43	.24	-.33	.25	-1.34	137	.1812	.4418	-.15	15	@282
7	-.76	.07	4	-.24	.34	-.52	.35	-1.49	56	.1422	.2942	-.23	15	@282
7	-.76	.07	5	-.56	.26	-.20	.27	-.74	124	.4603	.5459	-.27	15	@282
1	.25	.24	2	.26	.27	-.01	.36	-.04	146	.9721	.4100	.23	16	@295
1	.25	.24	3	.25	.24	.00	.34	-.01	173	.9957	.1391	.00	16	@295
1	.25	.24	4	-.13	.34	.38	.42	.91	92	.3657	.1950	.13	16	@295
1	.25	.24	5	.03	.25	.22	.35	.64	167	.5231	.3091	.58	16	@295
1	.25	.24	7	.08	.07	.17	.25	.70	150	.4854	.3914	-.03	16	@295
2	.26	.27	1	.25	.24	.01	.36	.04	146	.9721	.4100	-.23	16	@295
2	.26	.27	3	.25	.24	.01	.36	.03	141	.9764	.5103	-.46	16	@295
2	.26	.27	4	-.13	.34	.39	.44	.90	90	.3726	.9696	.22	16	@295
2	.26	.27	5	.03	.25	.23	.37	.63	139	.5280	.8988	.45	16	@295
2	.26	.27	7	.08	.07	.18	.28	.66	99	.5089	.4795	.03	16	@295
3	.25	.24	1	.25	.24	.00	.34	.01	173	.9957	.1391	.00	16	@295
3	.25	.24	2	.26	.27	-.01	.36	-.03	141	.9764	.5103	.46	16	@295
3	.25	.24	4	-.13	.34	.38	.42	.90	92	.3682	.5969	.70	16	@295
3	.25	.24	5	.03	.25	.22	.35	.64	159	.5256	.8769	.76	16	@295
3	.25	.24	7	.08	.07	.17	.25	.69	132	.4930	.4682	.14	16	@295
4	-.13	.34	1	.25	.24	-.38	.42	-.91	92	.3657	.1950	-.13	16	@295
4	-.13	.34	2	.26	.27	-.39	.44	-.90	90	.3726	.9696	-.22	16	@295
4	-.13	.34	3	.25	.24	-.38	.42	-.90	92	.3682	.5969	-.70	16	@295
4	-.13	.34	5	.03	.25	-.16	.43	-.37	92	.7131	.8034	.20	16	@295
4	-.13	.34	7	.08	.07	-.21	.35	-.59	55	.5568	.7284	-.48	16	@295
5	.03	.25	1	.25	.24	-.22	.35	-.64	167	.5231	.3091	-.58	16	@295
5	.03	.25	2	.26	.27	-.23	.37	-.63	139	.5280	.8988	-.45	16	@295
5	.03	.25	3	.25	.24	-.22	.35	-.64	159	.5256	.8769	-.76	16	@295
5	.03	.25	4	-.13	.34	.16	.43	.37	92	.7131	.8034	-.20	16	@295
5	.03	.25	7	.08	.07	-.05	.26	-.19	124	.8505	.9732	-.37	16	@295
7	.08	.07	1	.25	.24	-.17	.25	-.70	150	.4854	.3914	.03	16	@295
7	.08	.07	2	.26	.27	-.18	.28	-.66	99	.5089	.4795	-.03	16	@295
7	.08	.07	3	.25	.24	-.17	.25	-.69	132	.4930	.4682	-.14	16	@295
7	.08	.07	4	-.13	.34	.21	.35	.59	55	.5568	.7284	.48	16	@295
7	.08	.07	5	.03	.25	.05	.26	.19	124	.8505	.9732	.37	16	@295
1	-1.05	.29	2	-.86	.27	-.19	.40	-.48	152	.6342	.8100	.30	17	@296
1	-1.05	.29	3	-.83	.24	-.22	.37	-.60	173	.5522	.4113	.00	17	@296
1	-1.05	.29	4	-.24	.34	-.81	.45	-1.81	101	.0736	.0517	-.48	17	@296
1	-1.05	.29	5	-.49	.26	-.56	.39	-1.44	169	.1526	.2072	.06	17	@296
1	-1.05	.29	7	-.90	.07	-.15	.30	-.49	143	.6238	.7989	.46	17	@296
2	-.86	.27	1	-1.05	.29	.19	.40	.48	152	.6342	.8100	-.30	17	@296
2	-.86	.27	3	-.83	.24	-.03	.36	-.09	140	.9261	.9010	-.53	17	@296
2	-.86	.27	4	-.24	.34	-.62	.44	-1.41	91	.1620	.0947	-.91	17	@296
2	-.86	.27	5	-.49	.26	-.37	.38	-.97	139	.3323	.4497	-.47	17	@296
2	-.86	.27	7	-.90	.07	.04	.28	.15	101	.8777	.9768	-.02	17	@296
3	-.83	.24	1	-1.05	.29	.22	.37	.60	173	.5522	.4113	.00	17	@296
3	-.83	.24	2	-.86	.27	.03	.36	.09	140	.9261	.9010	.53	17	@296
3	-.83	.24	4	-.24	.34	-.58	.42	-1.40	91	.1658	.2947	-.35	17	@296
3	-.83	.24	5	-.49	.26	-.33	.35	-.94	159	.3476	.2160	-.48	17	@296
3	-.83	.24	7	-.90	.07	.08	.25	.31	137	.7577	.9975	.14	17	@296
4	-.24	.34	1	-1.05	.29	.81	.45	1.81	101	.0736	.0517	.48	17	@296
4	-.24	.34	2	-.86	.27	.62	.44	1.41	91	.1620	.0947	.91	17	@296
4	-.24	.34	3	-.83	.24	.58	.42	1.40	91	.1658	.2947	.35	17	@296
4	-.24	.34	5	-.49	.26	.25	.43	.58	93	.5633	.9068	-.24	17	@296
4	-.24	.34	7	-.90	.07	.66	.35	1.90	57	.0631	.1313	.33	17	@296
5	-.49	.26	1	-1.05	.29	.56	.39	1.44	169	.1526	.2072	-.06	17	@296
5	-.49	.26	2	-.86	.27	.37	.38	.97	139	.3323	.4497	.47	17	@296
5	-.49	.26	3	-.83	.24	.33	.35	.94	159	.3476	.2160	.48	17	@296
5	-.49	.26	4	-.24	.34	-.25	.43	-.58	93	.5633	.9068	.24	17	@296
5	-.49	.26	7	-.90	.07	.41	.27	1.52	126	.1303	.1621	.63	17	@296
7	-.90	.07	1	-1.05	.29	.15	.30	.49	143	.6238	.7989	-.46	17	@296
7	-.90	.07	2	-.86	.27	-.04	.28	-.15	101	.8777	.9768	.02	17	@296
7	-.90	.07	3	-.83	.24	-.08	.25	-.31	137	.7577	.9975	-.14	17	@296
7	-.90	.07	4	-.24	.34	-.66	.35	-1.90	57	.0631	.1313	-.33	17	@296
7	-.90	.07	5	-.49	.26	-.41	.27	-1.52	126	.1303	.1621	-.63	17	@296
1	-.39	.25	2	-.80	.27	.41	.37	1.10	148	.2717	.4570	-.14	18	@302
1	-.39	.25	3	-.77	.24	.38	.35	1.08	173	.2825	.2434	.57	18	@302
1	-.39	.25	4	-.24	.34	-.15	.42	-.35	96	.7260	.6822	-.36	18	@302
1	-.39	.25	5	-.56	.26	.17	.36	.46	168	.6460	.6867	.21	18	@302
1	-.39	.25	7	-.33	.07	-.06	.26	-.24	146	.8108	.9810	.18	18	@302
2	-.80	.27	1	-.39	.25	-.41	.37	-1.10	148	.2717	.4570	.14	18	@302
2	-.80	.27	3	-.77	.24	-.03	.36	-.09	141	.9250	.8450	.11	18	@302
2	-.80	.27	4	-.24	.34	-.56	.44	-1.28	90	.2028	.2515	-.48	18	@302
2	-.80	.27	5	-.56	.26	-.24	.38	-.64	140	.5224	.3592	.01	18	@302
2	-.80	.27	7	-.33	.07	-.47	.28	-1.69	99	.0945	.0821	-.22	18	@302
3	-.77	.24	1	-.39	.25	-.38	.35	-1.08	173	.2825	.2434	-.57	18	@302
3	-.77	.24	2	-.80	.27	.03	.36	.09	141	.9250	.8450	-.11	18	@302

3	-.77	.24	4	-.24	.34	-.53	.42	-1.26	91	.2107	.0882	-.87	18	@302
3	-.77	.24	5	-.56	.26	-.21	.36	-.59	159	.5588	.4785	.08	18	@302
3	-.77	.24	7	-.33	.07	-.44	.25	-1.76	134	.0801	.0340	-.39	18	@302
4	-.24	.34	1	-.39	.25	.15	.42	.35	96	.7260	.6822	.36	18	@302
4	-.24	.34	2	-.80	.27	.56	.44	1.28	90	.2028	.2515	.48	18	@302
4	-.24	.34	3	-.77	.24	.53	.42	1.26	91	.2107	.0882	.87	18	@302
4	-.24	.34	5	-.56	.26	.32	.43	.74	94	.4628	.7067	.56	18	@302
4	-.24	.34	7	-.33	.07	.09	.35	.25	55	.8047	.8799	.17	18	@302
5	-.56	.26	1	-.39	.25	-.17	.36	-.46	168	.6460	.6867	-.21	18	@302
5	-.56	.26	2	-.80	.27	.24	.38	.64	140	.5224	.3592	-.01	18	@302
5	-.56	.26	3	-.77	.24	.21	.36	.59	159	.5588	.4785	-.08	18	@302
5	-.56	.26	4	-.24	.34	-.32	.43	-.74	94	.4628	.7067	-.56	18	@302
5	-.56	.26	7	-.33	.07	-.23	.27	-.85	122	.3960	.4813	-.10	18	@302
7	-.33	.07	1	-.39	.25	.06	.26	.24	146	.8108	.9810	-.18	18	@302
7	-.33	.07	2	-.80	.27	.47	.28	1.69	99	.0945	.0821	.22	18	@302
7	-.33	.07	3	-.77	.24	.44	.25	1.76	134	.0801	.0340	.39	18	@302
7	-.33	.07	4	-.24	.34	-.09	.35	-.25	55	.8047	.8799	-.17	18	@302
7	-.33	.07	5	-.56	.26	.23	.27	.85	122	.3960	.4813	.10	18	@302
1	1.25	.24	2	.81	.29	.44	.38	1.16	144	.2487	.3774	.68	19	@327
1	1.25	.24	3	.69	.26	.55	.35	1.57	172	.1184	.0736	.84	19	@327
1	1.25	.24	4	1.60	.45	-.35	.51	-.69	81	.4921	.6072	-.65	19	@327
1	1.25	.24	5	1.15	.27	.09	.36	.26	166	.7965	.7558	-.29	19	@327
1	1.25	.24	7	1.19	.07	.06	.25	.23	155	.8157	.7153	.06	19	@327
2	.81	.29	1	1.25	.24	-.44	.38	-1.16	144	.2487	.3774	-.68	19	@327
2	.81	.29	3	.69	.26	.12	.39	.30	141	.7647	.9071	-.15	19	@327
2	.81	.29	4	1.60	.45	-.79	.54	-1.46	84	.1469	.2026	-.70	19	@327
2	.81	.29	5	1.15	.27	-.34	.39	-.87	139	.3843	.9861	-.41	19	@327
2	.81	.29	7	1.19	.07	-.38	.30	-1.26	99	.2114	.1579	-1.02	19	@327
3	.69	.26	1	1.25	.24	-.55	.35	-1.57	172	.1184	.0736	-.84	19	@327
3	.69	.26	2	.81	.29	-.12	.39	-.30	141	.7647	.9071	.15	19	@327
3	.69	.26	4	1.60	.45	-.91	.52	-1.73	83	.0867	.0750	-.37	19	@327
3	.69	.26	5	1.15	.27	-.46	.37	-1.24	159	.2161	.8135	-.50	19	@327
3	.69	.26	7	1.19	.07	-.50	.27	-1.84	133	.0686	.1034	-.99	19	@327
4	1.60	.45	1	1.25	.24	.35	.51	.69	81	.4921	.6072	.65	19	@327
4	1.60	.45	2	.81	.29	.79	.54	1.46	84	.1469	.2026	.70	19	@327
4	1.60	.45	3	.69	.26	.91	.52	1.73	83	.0867	.0750	.37	19	@327
4	1.60	.45	5	1.15	.27	.45	.53	.85	83	.3988	.3787	.17	19	@327
4	1.60	.45	7	1.19	.07	.41	.46	.90	52	.3744	.2716	-.10	19	@327
5	1.15	.27	1	1.25	.24	-.09	.36	-.26	166	.7965	.7558	.29	19	@327
5	1.15	.27	2	.81	.29	.34	.39	.87	139	.3843	.9861	.41	19	@327
5	1.15	.27	3	.69	.26	.46	.37	1.24	159	.2161	.8135	.50	19	@327
5	1.15	.27	4	1.60	.45	-.45	.53	-.85	83	.3988	.3787	-.17	19	@327
5	1.15	.27	7	1.19	.07	-.03	.28	-.12	126	.9021	.9572	.04	19	@327
7	1.19	.07	1	1.25	.24	-.06	.25	-.23	155	.8157	.7153	-.06	19	@327
7	1.19	.07	2	.81	.29	.38	.30	1.26	99	.2114	.1579	1.02	19	@327
7	1.19	.07	3	.69	.26	.50	.27	1.84	133	.0686	.1034	.99	19	@327
7	1.19	.07	4	1.60	.45	-.41	.46	-.90	52	.3744	.2716	.10	19	@327
7	1.19	.07	5	1.15	.27	.03	.28	.12	126	.9021	.9572	-.04	19	@327
1	.36	.24	2	.73	.29	-.36	.37	-.98	144	.3280	.8237	-.34	20	@586
1	.36	.24	3	1.30	.30	-.94	.38	-2.48	169	.0140	.1340	-.95	20	@586
1	.36	.24	4	1.23	.41	-.86	.48	-1.81	84	.0741	.1332	-.61	20	@586
1	.36	.24	5	.73	.26	-.37	.35	-1.06	167	.2892	.3835	-.69	20	@586
1	.36	.24	7	.80	.07	-.44	.25	-1.79	153	.0762	.1464	-.57	20	@586
2	.73	.29	1	.36	.24	.36	.37	.98	144	.3280	.8237	.34	20	@586
2	.73	.29	3	1.30	.30	-.57	.41	-1.39	144	.1660	.0458	-1.30	20	@586
2	.73	.29	4	1.23	.41	-.50	.50	-.99	86	.3263	.0810	-1.79	20	@586
2	.73	.29	5	.73	.26	-.01	.38	-.01	138	.9892	.8236	.37	20	@586
2	.73	.29	7	.80	.07	-.07	.30	-.25	98	.8034	.6890	-.23	20	@586
3	1.30	.30	1	.36	.24	.94	.38	2.48	169	.0140	.1340	.95	20	@586
3	1.30	.30	2	.73	.29	.57	.41	1.39	144	.1660	.0458	1.30	20	@586
3	1.30	.30	4	1.23	.41	.08	.51	.15	92	.8822	.6537	.51	20	@586
3	1.30	.30	5	.73	.26	.57	.39	1.45	159	.1478	.1344	.36	20	@586
3	1.30	.30	7	.80	.07	.50	.30	1.65	124	.1021	.1399	.04	20	@586
4	1.23	.41	1	.36	.24	.86	.48	1.81	84	.0741	.1332	.61	20	@586
4	1.23	.41	2	.73	.29	.50	.50	.99	86	.3263	.0810	1.79	20	@586
4	1.23	.41	3	1.30	.30	-.08	.51	-.15	92	.8822	.6537	-.51	20	@586
4	1.23	.41	5	.73	.26	.49	.49	1.01	85	.3148	.2130	.09	20	@586
4	1.23	.41	7	.80	.07	.42	.42	1.01	53	.3176	.4706	.07	20	@586
5	.73	.26	1	.36	.24	.37	.35	1.06	167	.2892	.3835	.69	20	@586
5	.73	.26	2	.73	.29	.01	.38	.01	138	.9892	.8236	-.37	20	@586
5	.73	.26	3	1.30	.30	-.57	.39	-1.45	159	.1478	.1344	-.36	20	@586
5	.73	.26	4	1.23	.41	-.49	.49	-1.01	85	.3148	.2130	-.09	20	@586
5	.73	.26	7	.80	.07	-.07	.27	-.26	125	.7964	.9082	-.02	20	@586
7	.80	.07	1	.36	.24	.44	.25	1.79	153	.0762	.1464	.57	20	@586
7	.80	.07	2	.73	.29	.07	.30	.25	98	.8034	.6890	.23	20	@586
7	.80	.07	3	1.30	.30	-.50	.30	-1.65	124	.1021	.1399	-.04	20	@586

7	.80	.07	4	1.23	.41	-.42	.42	-1.01	53	.3176	.4706	-.07	20	@586
7	.80	.07	5	.73	.26	.07	.27	.26	125	.7964	.9082	.02	20	@586
1	-.53	.26	2	.12	.27	-.65	.37	-1.75	150	.0817	.3808	-.80	21	@596
1	-.53	.26	3	.03	.24	-.56	.35	-1.60	173	.1125	.0328	-.95	21	@596
1	-.53	.26	4	.76	.38	-1.29	.46	-2.82	92	.0059	.0178	-1.12	21	@596
1	-.53	.26	5	-.23	.26	-.31	.36	-.84	169	.4003	.1611	-.45	21	@596
1	-.53	.26	7	.06	.07	-.59	.27	-2.21	144	.0287	.0558	-.41	21	@596
2	.12	.27	1	-.53	.26	.65	.37	1.75	150	.0817	.3808	.80	21	@596
2	.12	.27	3	.03	.24	.09	.36	.25	141	.8017	.7868	-.19	21	@596
2	.12	.27	4	.76	.38	-.64	.46	-1.38	87	.1709	.1455	-.40	21	@596
2	.12	.27	5	-.23	.26	.35	.37	.94	139	.3507	.8278	.37	21	@596
2	.12	.27	7	.06	.07	.06	.28	.23	99	.8219	.9428	-.06	21	@596
3	.03	.24	1	-.53	.26	.56	.35	1.60	173	.1125	.0328	.95	21	@596
3	.03	.24	2	.12	.27	-.09	.36	-.25	141	.8017	.7868	.19	21	@596
3	.03	.24	4	.76	.38	-.73	.45	-1.63	87	.1064	.1829	-.20	21	@596
3	.03	.24	5	-.23	.26	.26	.35	.73	159	.4655	.5911	.29	21	@596
3	.03	.24	7	.06	.07	-.03	.25	-.11	133	.9102	.7695	-.16	21	@596
4	.76	.38	1	-.53	.26	1.29	.46	2.82	92	.0059	.0178	1.12	21	@596
4	.76	.38	2	.12	.27	.64	.46	1.38	87	.1709	.1455	.40	21	@596
4	.76	.38	3	.03	.24	.73	.45	1.63	87	.1064	.1829	.20	21	@596
4	.76	.38	5	-.23	.26	.99	.46	2.16	89	.0333	.2546	.25	21	@596
4	.76	.38	7	.06	.07	.70	.38	1.83	53	.0730	.0792	.46	21	@596
5	-.23	.26	1	-.53	.26	.31	.36	.84	169	.4003	.1611	.45	21	@596
5	-.23	.26	2	.12	.27	-.35	.37	-.94	139	.3507	.8278	-.37	21	@596
5	-.23	.26	3	.03	.24	-.26	.35	-.73	159	.4655	.5911	-.29	21	@596
5	-.23	.26	4	.76	.38	-.99	.46	-2.16	89	.0333	.2546	-.25	21	@596
5	-.23	.26	7	.06	.07	-.28	.26	-1.08	123	.2835	.2380	-.53	21	@596
7	.06	.07	1	-.53	.26	.59	.27	2.21	144	.0287	.0558	.41	21	@596
7	.06	.07	2	.12	.27	-.06	.28	-.23	99	.8219	.9428	.06	21	@596
7	.06	.07	3	.03	.24	.03	.25	.11	133	.9102	.7695	.16	21	@596
7	.06	.07	4	.76	.38	-.70	.38	-1.83	53	.0730	.0792	-.46	21	@596
7	.06	.07	5	-.23	.26	.28	.26	1.08	123	.2835	.2380	.53	21	@596
1	1.02	.24	2	.26	.27	.76	.36	2.12	146	.0361	.2427	.53	22	@603
1	1.02	.24	3	.98	.27	.04	.36	.12	170	.9018	.4674	-.43	22	@603
1	1.02	.24	4	.76	.38	.26	.45	.59	88	.5534	.7268	.21	22	@603
1	1.02	.24	5	1.36	.27	-.33	.36	-.92	165	.3565	.2561	-.27	22	@603
1	1.02	.24	7	1.11	.07	-.09	.25	-.38	155	.7078	.5012	-.42	22	@603
2	.26	.27	1	1.02	.24	-.76	.36	-2.12	146	.0361	.2427	-.53	22	@603
2	.26	.27	3	.98	.27	-.71	.39	-1.85	144	.0657	.1845	-.81	22	@603
2	.26	.27	4	.76	.38	-.49	.46	-1.06	87	.2903	.6004	-.40	22	@603
2	.26	.27	5	1.36	.27	-1.09	.38	-2.84	140	.0051	.0139	-.25	22	@603
2	.26	.27	7	1.11	.07	-.85	.28	-3.04	102	.0030	.0121	-1.03	22	@603
3	.98	.27	1	1.02	.24	-.04	.36	-.12	170	.9018	.4674	.43	22	@603
3	.98	.27	2	.26	.27	.71	.39	1.85	144	.0657	.1845	.81	22	@603
3	.98	.27	4	.76	.38	.22	.47	.47	92	.6382	.4096	.53	22	@603
3	.98	.27	5	1.36	.27	-.38	.39	-.98	159	.3299	.5431	.66	22	@603
3	.98	.27	7	1.11	.07	-.14	.28	-.48	130	.6292	.9928	-.12	22	@603
4	.76	.38	1	1.02	.24	-.26	.45	-.59	88	.5534	.7268	-.21	22	@603
4	.76	.38	2	.26	.27	.49	.46	1.06	87	.2903	.6004	.40	22	@603
4	.76	.38	3	.98	.27	-.22	.47	-.47	92	.6382	.4096	-.53	22	@603
4	.76	.38	5	1.36	.27	-.60	.47	-1.28	91	.2025	.4644	-.	22	@603
4	.76	.38	7	1.11	.07	-.36	.38	-.93	55	.3567	.5373	-.41	22	@603
5	1.36	.27	1	1.02	.24	.33	.36	.92	165	.3565	.2561	.27	22	@603
5	1.36	.27	2	.26	.27	1.09	.38	2.84	140	.0051	.0139	.25	22	@603
5	1.36	.27	3	.98	.27	.38	.39	.98	159	.3299	.5431	-.66	22	@603
5	1.36	.27	4	.76	.38	.60	.47	1.28	91	.2025	.4644	+.	22	@603
5	1.36	.27	7	1.11	.07	.24	.28	.85	124	.3953	.4310	-.23	22	@603
7	1.11	.07	1	1.02	.24	.09	.25	.38	155	.7078	.5012	.42	22	@603
7	1.11	.07	2	.26	.27	.85	.28	3.04	102	.0030	.0121	1.03	22	@603
7	1.11	.07	3	.98	.27	.14	.28	.48	130	.6292	.9928	.12	22	@603
7	1.11	.07	4	.76	.38	.36	.38	.93	55	.3567	.5373	.41	22	@603
7	1.11	.07	5	1.36	.27	-.24	.28	-.85	124	.3953	.4310	.23	22	@603
1	-.28	.25	2	.05	.27	-.32	.36	-.89	148	.3759	.3315	-.34	23	@605
1	-.28	.25	3	-.15	.24	-.13	.34	-.37	173	.7153	.9733	-.02	23	@605
1	-.28	.25	4	-.13	.34	-.15	.42	-.35	95	.7250	.2627	-.01	23	@605
1	-.28	.25	5	-.10	.25	-.18	.36	-.50	168	.6165	.6948	-.26	23	@605
1	-.28	.25	7	-.41	.07	.14	.26	.53	148	.5980	.8886	.28	23	@605
2	.05	.27	1	-.28	.25	.32	.36	.89	148	.3759	.3315	.34	23	@605
2	.05	.27	3	-.15	.24	.20	.36	.56	141	.5793	.3696	.10	23	@605
2	.05	.27	4	-.13	.34	.17	.43	.40	90	.6880	.7668	.88	23	@605
2	.05	.27	5	-.10	.25	.15	.37	.40	139	.6925	.3239	.05	23	@605
2	.05	.27	7	-.41	.07	.46	.28	1.67	100	.0974	.0781	.46	23	@605
3	-.15	.24	1	-.28	.25	.13	.34	.37	173	.7153	.9733	.02	23	@605
3	-.15	.24	2	.05	.27	-.20	.36	-.56	141	.5793	.3696	-.10	23	@605
3	-.15	.24	4	-.13	.34	-.02	.42	-.06	91	.9549	.9507	.67	23	@605
3	-.15	.24	5	-.10	.25	-.05	.35	-.15	159	.8798	.5342	-.12	23	@605

3	-.15	.24	7	-.41	.07	.26	.25	1.06	134	.2902	.2876	.45	23	@605
4	-.13	.34	1	-.28	.25	.15	.42	.35	95	.7250	.2627	.01	23	@605
4	-.13	.34	2	.05	.27	-.17	.43	-.40	90	.6880	.7668	-.88	23	@605
4	-.13	.34	3	-.15	.24	.02	.42	.06	91	.9549	.9507	-.67	23	@605
4	-.13	.34	5	-.10	.25	-.03	.43	-.07	92	.9459	.5857	-.92	23	@605
4	-.13	.34	7	-.41	.07	.29	.35	.82	55	.4163	.2767	.02	23	@605
5	-.10	.25	1	-.28	.25	.18	.36	.50	168	.6165	.6948	.26	23	@605
5	-.10	.25	2	.05	.27	-.15	.37	-.40	139	.6925	.3239	-.05	23	@605
5	-.10	.25	3	-.15	.24	.05	.35	.15	159	.8798	.5342	.12	23	@605
5	-.10	.25	4	-.13	.34	.03	.43	.07	92	.9459	.5857	.92	23	@605
5	-.10	.25	7	-.41	.07	.31	.26	1.20	124	.2326	.3085	.67	23	@605
7	-.41	.07	1	-.28	.25	-.14	.26	-.53	148	.5980	.8886	-.28	23	@605
7	-.41	.07	2	.05	.27	-.46	.28	-1.67	100	.0974	.0781	-.46	23	@605
7	-.41	.07	3	-.15	.24	-.26	.25	-1.06	134	.2902	.2876	-.45	23	@605
7	-.41	.07	4	-.13	.34	-.29	.35	-.82	55	.4163	.2767	-.02	23	@605
7	-.41	.07	5	-.10	.25	-.31	.26	-1.20	124	.2326	.3085	-.67	23	@605
1	-.22	.25	2	-.37	.26	.16	.36	.44	148	.6618	.8419	.01	24	@608
1	-.22	.25	3	-.38	.24	.16	.34	.47	173	.6409	.3670	.15	24	@608
1	-.22	.25	4	-.95	.35	.74	.43	1.71	93	.0898	.1009	-.08	24	@608
1	-.22	.25	5	-.63	.26	.42	.36	1.15	167	.2529	.2190	.34	24	@608
1	-.22	.25	7	-.28	.07	.06	.26	.24	148	.8137	.6200	.25	24	@608
2	-.37	.26	1	-.22	.25	-.16	.36	-.44	148	.6618	.8419	-.01	24	@608
2	-.37	.26	3	-.38	.24	.00	.35	.00	141	.9978	.8146	-.17	24	@608
2	-.37	.26	4	-.95	.35	.58	.44	1.31	89	.1925	.4896	-.60	24	@608
2	-.37	.26	5	-.63	.26	.26	.37	.69	140	.4943	.3715	.08	24	@608
2	-.37	.26	7	-.28	.07	-.10	.27	-.36	100	.7198	.7050	-.12	24	@608
3	-.38	.24	1	-.22	.25	-.16	.34	-.47	173	.6409	.3670	-.15	24	@608
3	-.38	.24	2	-.37	.26	.00	.35	.00	141	.9978	.8146	.17	24	@608
3	-.38	.24	4	-.95	.35	.58	.42	1.36	89	.1766	.2281	-.09	24	@608
3	-.38	.24	5	-.63	.26	.26	.35	.72	158	.4723	.5271	.56	24	@608
3	-.38	.24	7	-.28	.07	-.10	.25	-.40	134	.6868	.7027	-.02	24	@608
4	-.95	.35	1	-.22	.25	-.74	.43	-1.71	93	.0898	.1009	.08	24	@608
4	-.95	.35	2	-.37	.26	-.58	.44	-1.31	89	.1925	.4896	.60	24	@608
4	-.95	.35	3	-.38	.24	-.58	.42	-1.36	89	.1766	.2281	.09	24	@608
4	-.95	.35	5	-.63	.26	-.32	.44	-.73	93	.4665	.7343	1.25	24	@608
4	-.95	.35	7	-.28	.07	-.68	.36	-1.89	55	.0642	.0644	-.23	24	@608
5	-.63	.26	1	-.22	.25	-.42	.36	-1.15	167	.2529	.2190	-.34	24	@608
5	-.63	.26	2	-.37	.26	-.26	.37	-.69	140	.4943	.3715	-.08	24	@608
5	-.63	.26	3	-.38	.24	-.26	.35	-.72	158	.4723	.5271	-.56	24	@608
5	-.63	.26	4	-.95	.35	.32	.44	.73	93	.4665	.7343	-1.25	24	@608
5	-.63	.26	7	-.28	.07	-.35	.27	-1.30	122	.1959	.2807	-.03	24	@608
7	-.28	.07	1	-.22	.25	-.06	.26	-.24	148	.8137	.6200	-.25	24	@608
7	-.28	.07	2	-.37	.26	.10	.27	.36	100	.7198	.7050	.12	24	@608
7	-.28	.07	3	-.38	.24	.10	.25	.40	134	.6868	.7027	.02	24	@608
7	-.28	.07	4	-.95	.35	.68	.36	1.89	55	.0642	.0644	.23	24	@608
7	-.28	.07	5	-.63	.26	.35	.27	1.30	122	.1959	.2807	.03	24	@608
1	.58	.23	2	.49	.28	.09	.36	.26	145	.7949	.5927	-.17	25	@611
1	.58	.23	3	.19	.24	.39	.34	1.16	173	.2496	.8441	.09	25	@611
1	.58	.23	4	-.13	.34	.71	.41	1.71	92	.0899	.2066	.51	25	@611
1	.58	.23	5	-.10	.25	.68	.35	1.98	167	.0499	.0358	.29	25	@611
1	.58	.23	7	.30	.07	.29	.24	1.17	151	.2436	.3339	.22	25	@611
2	.49	.28	1	.58	.23	-.09	.36	-.26	145	.7949	.5927	.17	25	@611
2	.49	.28	3	.19	.24	.30	.37	.80	140	.4248	.3653	-.04	25	@611
2	.49	.28	4	-.13	.34	.62	.44	1.40	91	.1654	.1840	.68	25	@611
2	.49	.28	5	-.10	.25	.59	.38	1.56	139	.1205	.0622	1.02	25	@611
2	.49	.28	7	.30	.07	.19	.29	.67	98	.5059	.6489	-.07	25	@611
3	.19	.24	1	.58	.23	-.39	.34	-1.16	173	.2496	.8441	-.09	25	@611
3	.19	.24	2	.49	.28	-.30	.37	-.80	140	.4248	.3653	.04	25	@611
3	.19	.24	4	-.13	.34	.32	.42	.76	91	.4463	.8308	.30	25	@611
3	.19	.24	5	-.10	.25	.29	.35	.83	159	.4068	.1431	.56	25	@611
3	.19	.24	7	.30	.07	-.10	.25	-.41	132	.6789	.6990	-.03	25	@611
4	-.13	.34	1	.58	.23	-.71	.41	-1.71	92	.0899	.2066	-.51	25	@611
4	-.13	.34	2	.49	.28	-.62	.44	-1.40	91	.1654	.1840	-.68	25	@611
4	-.13	.34	3	.19	.24	-.32	.42	-.76	91	.4463	.8308	-.30	25	@611
4	-.13	.34	5	-.10	.25	-.03	.43	-.07	92	.9459	.5581	.38	25	@611
4	-.13	.34	7	.30	.07	-.43	.35	-1.22	55	.2276	.2780	-.56	25	@611
5	-.10	.25	1	.58	.23	-.68	.35	-1.98	167	.0499	.0358	-.29	25	@611
5	-.10	.25	2	.49	.28	-.59	.38	-1.56	139	.1205	.0622	-1.02	25	@611
5	-.10	.25	3	.19	.24	-.29	.35	-.83	159	.4068	.1431	-.56	25	@611
5	-.10	.25	4	-.13	.34	.03	.43	.07	92	.9459	.5581	-.38	25	@611
5	-.10	.25	7	.30	.07	-.40	.26	-1.51	124	.1330	.0845	-.45	25	@611
7	.30	.07	1	.58	.23	-.29	.24	-1.17	151	.2436	.3339	-.22	25	@611
7	.30	.07	2	.49	.28	-.19	.29	-.67	98	.5059	.6489	.07	25	@611
7	.30	.07	3	.19	.24	.10	.25	.41	132	.6789	.6990	.03	25	@611
7	.30	.07	4	-.13	.34	.43	.35	1.22	55	.2276	.2780	.56	25	@611
7	.30	.07	5	-.10	.25	.40	.26	1.51	124	.1330	.0845	.45	25	@611

Size of Mantel-Haenszel slice: MHSLICE = .010 logits

Category 1 = Asian, Category 2 = Black, Non-Hispanic, Category 3 = Hispanic, Category 4 = American Indian or Alaskan Native, Category 5 = Multiracial, Category 6 = Pacific Islander (omitted due to a lack of cases), Category 7 = White, Non-Hispanic

APPENDIX I

DIF CONTRASTS FOR DRAFT 9th GRADE TEST

Appendix I

DIF Contrasts for Draft 9th Grade Test

```
TABLE 30.1 9th_raw_dem 9th_30_item_draft_3_distractor_out.txt  Mar 23 12:59 2013
INPUT: 579 PERSON  30 ITEM  MEASURED: 579 PERSON  30 ITEM  60 CATS WINSTEPS 3.69.1.14
-------------------------------------------------------------------------------

DIF class specification is: DIF=@SEX (Gender)
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PERSON CLASS	DIF MEASURE	DIF S.E.	PERSON CLASS	DIF MEASURE	DIF S.E.	DIF CONTRAST	JOINT S.E.	Welch t	Welch d.f.	Welch Prob.	Mantel Prob.	Hanzl Size	ITEM Number	ITEM Name
1	1.13	.13	2	1.48	.15	-.35	.20	-1.75	569	.0806	.0958	-.29	1	@23
2	1.48	.15	1	1.13	.13	.35	.20	1.75	569	.0806	.0958	.29	1	@23
1	-2.06	.19	2	-1.77	.18	-.29	.26	-1.10	576	.2728	.7145	-.16	2	@30
2	-1.77	.18	1	-2.06	.19	.29	.26	1.10	576	.2728	.7145	.16	2	@30
1	.34	.12	2	.39	.13	-.05	.18	-.29	571	.7727	.7770	-.04	3	@32
2	.39	.13	1	.34	.12	.05	.18	.29	571	.7727	.7770	.04	3	@32
1	-1.40	.16	2	-1.05	.15	-.36	.22	-1.63	576	.1042	.3490	-.22	4	@43
2	-1.05	.15	1	-1.40	.16	.36	.22	1.63	576	.1042	.3490	.22	4	@43
1	-.01	.12	2	-.34	.14	.33	.19	1.76	570	.0784	.1481	.33	5	@49
2	-.34	.14	1	-.01	.12	-.33	.19	-1.76	570	.0784	.1481	-.33	5	@49
1	-.47	.13	2	-.80	.15	.34	.20	1.73	570	.0850	.0836	.25	6	@74
2	-.80	.15	1	-.47	.13	-.34	.20	-1.73	570	.0850	.0836	-.25	6	@74
1	-.47	.13	2	-.68	.14	.21	.19	1.09	571	.2744	.2038	.20	7	@89
2	-.68	.14	1	-.47	.13	-.21	.19	-1.09	571	.2744	.2038	-.20	7	@89
1	-1.40	.16	2	-.96	.15	-.45	.22	-2.06	576	.0400	.1172	-.34	8	@100
2	-.96	.15	1	-1.40	.16	.45	.22	2.06	576	.0400	.1172	.34	8	@100
1	-.69	.13	2	-.69	.14	.00	.20	.00	572	1.000	.9856	-.03	9	@114
2	-.69	.14	1	-.69	.13	.00	.20	.00	572	1.000	.9856	.03	9	@114
1	.45	.12	2	.12	.13	.33	.18	1.78	571	.0754	.2712	.15	10	@125
2	.12	.13	1	.45	.12	-.33	.18	-1.78	571	.0754	.2712	-.15	10	@125
1	1.13	.13	2	.95	.14	.19	.19	.97	573	.3304	.3714	.19	11	@126
2	.95	.14	1	1.13	.13	-.19	.19	-.97	573	.3304	.3714	-.19	11	@126
1	-.01	.12	2	-.08	.14	.07	.18	.36	571	.7207	.6655	.11	12	@147
2	-.08	.14	1	-.01	.12	-.07	.18	-.36	571	.7207	.6655	-.11	12	@147
1	.90	.13	2	.80	.14	.10	.19	.56	572	.5748	.5234	.17	13	@151
2	.80	.14	1	.90	.13	-.10	.19	-.56	572	.5748	.5234	-.17	13	@151
1	-.96	.14	2	-.72	.14	-.24	.20	-1.19	574	.2335	.2464	-.27	14	@152
2	-.72	.14	1	-.96	.14	.24	.20	1.19	574	.2335	.2464	.27	14	@152
1	.77	.13	2	1.07	.14	-.29	.19	-1.55	570	.1223	.0672	-.25	15	@174
2	1.07	.14	1	.77	.13	.29	.19	1.55	570	.1223	.0672	.25	15	@174
1	.28	.12	2	.34	.13	-.06	.18	-.33	571	.7440	.6066	-.08	16	@267
2	.34	.13	1	.28	.12	.06	.18	.33	571	.7440	.6066	.08	16	@267
1	.17	.12	2	.50	.13	-.33	.18	-1.80	571	.0719	.0895	-.36	17	@286
2	.50	.13	1	.17	.12	.33	.18	1.80	571	.0719	.0895	.36	17	@286
1	1.24	.13	2	1.07	.14	.17	.19	.90	573	.3709	.4242	.03	18	@288
2	1.07	.14	1	1.24	.13	-.17	.19	-.90	573	.3709	.4242	-.03	18	@288
1	-.20	.13	2	-.58	.14	.37	.19	1.97	570	.0496	.0825	.31	19	@289
2	-.58	.14	1	-.20	.13	-.37	.19	-1.97	570	.0496	.0825	-.31	19	@289
1	-.79	.14	2	-.79	.15	.00	.20	.00	572	1.000	.5440	.15	20	@616
2	-.79	.15	1	-.79	.14	.00	.20	.00	572	1.000	.5440	-.15	20	@616
1	.87	.13	2	.43	.13	.44	.19	2.38	572	.0176	.0578	.32	21	@617
2	.43	.13	1	.87	.13	-.44	.19	-2.38	572	.0176	.0578	-.32	21	@617
1	-1.64	.17	2	-1.53	.17	-.11	.24	-.47	575	.6404	.5564	-.22	22	@620
2	-1.53	.17	1	-1.64	.17	.11	.24	.47	575	.6404	.5564	.22	22	@620
1	.05	.12	2	-.03	.14	.07	.18	.40	571	.6917	.7563	.08	23	@631
2	-.03	.14	1	.05	.12	-.07	.18	-.40	571	.6917	.7563	-.08	23	@631
1	.52	.12	2	.57	.14	-.05	.18	-.28	571	.7827	.5869	-.15	24	@635
2	.57	.14	1	.52	.12	.05	.18	.28	571	.7827	.5869	.15	24	@635
1	1.13	.13	2	1.31	.14	-.17	.20	-.89	570	.3713	.1454	-.32	25	@642
2	1.31	.14	1	1.13	.13	.17	.20	.89	570	.3713	.1454	.32	25	@642
1	.00	.12	2	.36	.13	-.36	.18	-1.94	572	.0535	.0907	-.34	26	@645
2	.36	.13	1	.00	.12	.36	.18	1.94	572	.0535	.0907	.34	26	@645
1	-.62	.13	2	-.85	.15	.22	.20	1.13	570	.2584	.1614	.36	27	@648
2	-.85	.15	1	-.62	.13	-.22	.20	-1.13	570	.2584	.1614	-.36	27	@648
1	1.78	.15	2	1.74	.16	.04	.21	.21	573	.8372	.9064	.04	28	@649
2	1.74	.16	1	1.78	.15	-.04	.21	-.21	573	.8372	.9064	-.04	28	@649
1	-.55	.13	2	-.55	.14	.00	.19	.00	572	1.000	.9911	.03	29	@655
2	-.55	.14	1	-.55	.13	.00	.19	.00	572	1.000	.9911	-.03	29	@655
1	.29	.12	2	.45	.13	-.15	.18	-.84	571	.4028	.4951	-.15	30	@672
2	.45	.13	1	.29	.12	.15	.18	.84	571	.4028	.4951	.15	30	@672

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Size of Mantel-Haenszel slice: MHSLICE = .010 logits
Category 1 - Female, Category 2 = Male
TABLE 30.1 9th_raw_dem 9th_30_item_draft_3_distractor_out.txt  Mar 23 12:59 2013
INPUT: 579 PERSON  30 ITEM  MEASURED: 579 PERSON  30 ITEM  60 CATS WINSTEPS 3.69.1.14
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DIF class specification is: DIF=@RACE (Race/Ethnicity)

PERSON CLASS	DIF MEASURE	DIF S.E.	PERSON CLASS	DIF MEASURE	DIF S.E.	DIF CONTRAST	JOINT S.E.	t	Welch d.f.	Prob.	Mantel Prob.	Hanzl Size	ITEM Number	Name
1	1.39	.43	2	1.45	.42	-.06	.61	-.10	62	.9243	.7367	1.30	1	@23
1	1.39	.43	3	.79	.28	.60	.51	1.17	60	.2469	.9644	.45	1	@23
1	1.39	.43	5	1.13	.40	.27	.59	.45	56	.6519	.8027	.95	1	@23
1	1.39	.43	7	1.36	.12	.03	.45	.07	41	.9468	.9861	.08	1	@23
2	1.45	.42	1	1.39	.43	.06	.61	.10	62	.9243	.7367	-1.30	1	@23
2	1.45	.42	3	.79	.28	.66	.51	1.30	86	.1971	.2494	.54	1	@23
2	1.45	.42	5	1.13	.40	.32	.58	.56	71	.5788	.7313	.10	1	@23
2	1.45	.42	7	1.36	.12	.09	.44	.20	64	.8423	.7858	-.88	1	@23
3	.79	.28	1	1.39	.43	-.60	.51	-1.17	60	.2469	.9644	-.45	1	@23
3	.79	.28	2	1.45	.42	-.66	.51	-1.30	86	.1971	.2494	-.54	1	@23
3	.79	.28	5	1.13	.40	-.33	.49	-.69	74	.4936	.5850	.06	1	@23
3	.79	.28	7	1.36	.12	-.57	.30	-1.90	125	.0601	.0863	-.59	1	@23
5	1.13	.40	1	1.39	.43	-.27	.59	-.45	56	.6519	.8027	-.95	1	@23
5	1.13	.40	2	1.45	.42	-.32	.58	-.56	71	.5788	.7313	-.10	1	@23
5	1.13	.40	3	.79	.28	.33	.49	.69	74	.4936	.5850	-.06	1	@23
5	1.13	.40	7	1.36	.12	-.24	.42	-.57	53	.5711	.4511	-.56	1	@23
7	1.36	.12	1	1.39	.43	-.03	.45	-.07	41	.9468	.9861	-.08	1	@23
7	1.36	.12	2	1.45	.42	-.09	.44	-.20	64	.8423	.7858	.88	1	@23
7	1.36	.12	3	.79	.28	.57	.30	1.90	125	.0601	.0863	.59	1	@23
7	1.36	.12	5	1.13	.40	.24	.42	.57	53	.5711	.4511	.56	1	@23
1	-2.16	.74	2	-1.16	.36	-1.00	.82	-1.21	49	.2310	.8762	.69	2	@30
1	-2.16	.74	3	-1.59	.34	-.56	.81	-.69	50	.4919	.9304	+.	2	@30
1	-2.16	.74	5	-2.54	.75	.39	1.05	.37	57	.7155	.0896	+.	2	@30
1	-2.16	.74	7	-2.05	.16	-.10	.76	-.13	38	.8939	.3183	1.48	2	@30
2	-1.16	.36	1	-2.16	.74	1.00	.82	1.21	49	.2310	.8762	-.69	2	@30
2	-1.16	.36	3	-1.59	.34	.43	.49	.89	96	.3781	.5665	.08	2	@30
2	-1.16	.36	5	-2.54	.75	1.38	.83	1.67	59	.1001	.6949	1.10	2	@30
2	-1.16	.36	7	-2.05	.16	.90	.39	2.28	83	.0254	.0337	.98	2	@30
3	-1.59	.34	1	-2.16	.74	.56	.81	.69	50	.4919	.9304	-.	2	@30
3	-1.59	.34	2	-1.16	.36	-.43	.49	-.89	96	.3781	.5665	-.08	2	@30
3	-1.59	.34	5	-2.54	.75	.95	.82	1.16	61	.2511	.4052	+.	2	@30
3	-1.59	.34	7	-2.05	.16	.46	.37	1.24	136	.2187	.2882	.68	2	@30
5	-2.54	.75	1	-2.16	.74	-.39	1.05	-.37	57	.7155	.0896	-.	2	@30
5	-2.54	.75	2	-1.16	.36	-1.38	.83	-1.67	59	.1001	.6949	-1.10	2	@30
5	-2.54	.75	3	-1.59	.34	-.95	.82	-1.16	61	.2511	.4052	-.	2	@30
5	-2.54	.75	7	-2.05	.16	-.49	.76	-.64	47	.5269	.5525	1.87	2	@30
7	-2.05	.16	1	-2.16	.74	.10	.76	.13	38	.8939	.3183	-1.48	2	@30
7	-2.05	.16	2	-1.16	.36	-.90	.39	-2.28	83	.0254	.0337	-.98	2	@30
7	-2.05	.16	3	-1.59	.34	-.46	.37	-1.24	136	.2187	.2882	-.68	2	@30
7	-2.05	.16	5	-2.54	.75	.49	.76	.64	47	.5269	.5525	-1.87	2	@30
1	.88	.40	2	-.23	.33	1.11	.52	2.12	59	.0382	.0906	-.09	3	@32
1	.88	.40	3	.42	.27	.45	.49	.94	61	.3529	.7878	.63	3	@32
1	.88	.40	5	.97	.39	-.10	.56	-.17	57	.8665	.9191	.37	3	@32
1	.88	.40	7	.33	.11	.54	.42	1.30	41	.2010	.0775	.74	3	@32
2	-.23	.33	1	.88	.40	-1.11	.52	-2.12	59	.0382	.0906	.09	3	@32
2	-.23	.33	3	.42	.27	-.65	.43	-1.53	92	.1294	.6545	.41	3	@32
2	-.23	.33	5	.97	.39	-1.20	.51	-2.34	69	.0224	.0380	-2.20	3	@32
2	-.23	.33	7	.33	.11	-.56	.35	-1.62	69	.1103	.3233	-.32	3	@32
3	.42	.27	1	.88	.40	-.45	.49	-.94	61	.3529	.7878	-.63	3	@32
3	.42	.27	2	-.23	.33	.65	.43	1.53	92	.1294	.6545	-.41	3	@32
3	.42	.27	5	.97	.39	-.55	.48	-1.15	73	.2532	.3256	-.49	3	@32
3	.42	.27	7	.33	.11	.09	.29	.31	122	.7596	.3924	.03	3	@32
5	.97	.39	1	.88	.40	.10	.56	.17	57	.8665	.9191	-.37	3	@32
5	.97	.39	2	-.23	.33	1.20	.51	2.34	69	.0224	.0380	2.20	3	@32
5	.97	.39	3	.42	.27	.55	.48	1.15	73	.2532	.3256	.49	3	@32
5	.97	.39	7	.33	.11	.64	.41	1.56	51	.1243	.0632	.67	3	@32
7	.33	.11	1	.88	.40	-.54	.42	-1.30	41	.2010	.0775	-.74	3	@32
7	.33	.11	2	-.23	.33	.56	.35	1.62	69	.1103	.3233	.32	3	@32
7	.33	.11	3	.42	.27	-.09	.29	-.31	122	.7596	.3924	-.03	3	@32
7	.33	.11	5	.97	.39	-.64	.41	-1.56	51	.1243	.0632	-.67	3	@32
1	-1.08	.50	2	-.68	.34	-.41	.61	-.67	56	.5064	.6857	-1.95	4	@43
1	-1.08	.50	3	-1.83	.36	.75	.62	1.21	63	.2308	.5602	-.15	4	@43
1	-1.08	.50	5	-1.45	.51	.36	.72	.50	57	.6166	.1974	+.	4	@43
1	-1.08	.50	7	-1.20	.13	.12	.52	.23	40	.8189	.2004	1.24	4	@43
2	-.68	.34	1	-1.08	.50	.41	.61	.67	56	.5064	.6857	1.95	4	@43
2	-.68	.34	3	-1.83	.36	1.16	.49	2.34	99	.0210	.0194	.58	4	@43
2	-.68	.34	5	-1.45	.51	.77	.61	1.25	65	.2148	.5206	-1.10	4	@43
2	-.68	.34	7	-1.20	.13	.53	.36	1.46	75	.1497	.2626	.58	4	@43
3	-1.83	.36	1	-1.08	.50	-.75	.62	-1.21	63	.2308	.5602	.15	4	@43
3	-1.83	.36	2	-.68	.34	-1.16	.49	-2.34	99	.0210	.0194	-.58	4	@43

3	-1.83	.36	5	-1.45	.51	-.39	.63	-.62	74	.5371	.6569	-1.10	4	@43
3	-1.83	.36	7	-1.20	.13	-.63	.38	-1.65	116	.1021	.1014	-.21	4	@43
5	-1.45	.51	1	-1.08	.50	-.36	.72	-.50	57	.6166	.1974	-.	4	@43
5	-1.45	.51	2	-.68	.34	-.77	.61	-1.25	65	.2148	.5206	1.10	4	@43
5	-1.45	.51	3	-1.83	.36	.39	.63	.62	74	.5371	.6569	1.10	4	@43
5	-1.45	.51	7	-1.20	.13	-.24	.53	-.46	50	.6490	.5410	.98	4	@43
7	-1.20	.13	1	-1.08	.50	-.12	.52	-.23	40	.8189	.2004	-1.24	4	@43
7	-1.20	.13	2	-.68	.34	-.53	.36	-1.46	75	.1497	.2626	-.58	4	@43
7	-1.20	.13	3	-1.83	.36	.63	.38	1.65	116	.1021	.1014	.21	4	@43
7	-1.20	.13	5	-1.45	.51	.24	.53	.46	50	.6490	.5410	-.98	4	@43
1	.56	.40	2	-.12	.33	.68	.52	1.31	60	.1955	.3546	.46	5	@49
1	.56	.40	3	-.30	.27	.85	.48	1.77	61	.0812	.3507	.47	5	@49
1	.56	.40	5	-.42	.41	.98	.57	1.71	57	.0929	.0493	1.00	5	@49
1	.56	.40	7	-.16	.11	.72	.41	1.74	42	.0887	.0694	.68	5	@49
2	-.12	.33	1	.56	.40	-.68	.52	-1.31	60	.1955	.3546	-.46	5	@49
2	-.12	.33	3	-.30	.27	.17	.43	.41	93	.6857	.7596	.45	5	@49
2	-.12	.33	5	-.42	.41	.30	.53	.57	68	.5722	.4304	.66	5	@49
2	-.12	.33	7	-.16	.11	.04	.35	.12	70	.9079	.8705	.12	5	@49
3	-.30	.27	1	.56	.40	-.85	.48	-1.77	61	.0812	.3507	-.47	5	@49
3	-.30	.27	2	-.12	.33	-.17	.43	-.41	93	.6857	.7596	-.45	5	@49
3	-.30	.27	5	-.42	.41	.13	.49	.26	72	.7979	.5650	-.08	5	@49
3	-.30	.27	7	-.16	.11	-.13	.29	-.46	124	.6492	.7561	-.11	5	@49
5	-.42	.41	1	.56	.40	-.98	.57	-1.71	57	.0929	.0493	-1.00	5	@49
5	-.42	.41	2	-.12	.33	-.30	.53	-.57	68	.5722	.4304	-.66	5	@49
5	-.42	.41	3	-.30	.27	-.13	.49	-.26	72	.7979	.5650	.08	5	@49
5	-.42	.41	7	-.16	.11	-.26	.43	-.61	51	.5455	.5478	.07	5	@49
7	-.16	.11	1	.56	.40	-.72	.41	-1.74	42	.0887	.0694	-.68	5	@49
7	-.16	.11	2	-.12	.33	-.04	.35	-.12	70	.9079	.8705	-.12	5	@49
7	-.16	.11	3	-.30	.27	.13	.29	.46	124	.6492	.7561	.11	5	@49
7	-.16	.11	5	-.42	.41	.26	.43	.61	51	.5455	.5478	-.07	5	@49
1	-.85	.47	2	-.12	.33	-.72	.58	-1.25	57	.2159	.8989	.41	6	@74
1	-.85	.47	3	-.60	.28	-.25	.55	-.45	57	.6510	.8122	-.20	6	@74
1	-.85	.47	5	-.42	.41	-.42	.63	-.67	56	.5036	.5151	-.41	6	@74
1	-.85	.47	7	-.69	.12	-.16	.49	-.32	40	.7473	.8453	.34	6	@74
2	-.12	.33	1	-.85	.47	.72	.58	1.25	57	.2159	.8989	-.41	6	@74
2	-.12	.33	3	-.60	.28	.47	.43	1.09	93	.2770	.7013	.33	6	@74
2	-.12	.33	5	-.42	.41	.30	.53	.57	68	.5722	.9274	1.10	6	@74
2	-.12	.33	7	-.69	.12	.57	.35	1.60	72	.1135	.0990	.86	6	@74
3	-.60	.28	1	-.85	.47	.25	.55	.45	57	.6510	.8122	.20	6	@74
3	-.60	.28	2	-.12	.33	-.47	.43	-1.09	93	.2770	.7013	-.33	6	@74
3	-.60	.28	5	-.42	.41	-.17	.50	-.35	73	.7290	.8601	-.31	6	@74
3	-.60	.28	7	-.69	.12	.09	.30	.30	126	.7627	.6986	.44	6	@74
5	-.42	.41	1	-.85	.47	.42	.63	.67	56	.5036	.5151	.41	6	@74
5	-.42	.41	2	-.12	.33	-.30	.53	-.57	68	.5722	.9274	-1.10	6	@74
5	-.42	.41	3	-.60	.28	.17	.50	.35	73	.7290	.8601	.31	6	@74
5	-.42	.41	7	-.69	.12	.26	.43	.62	52	.5406	.3445	.91	6	@74
7	-.69	.12	1	-.85	.47	.16	.49	.32	40	.7473	.8453	-.34	6	@74
7	-.69	.12	2	-.12	.33	-.57	.35	-1.60	72	.1135	.0990	-.86	6	@74
7	-.69	.12	3	-.60	.28	-.09	.30	-.30	126	.7627	.6986	-.44	6	@74
7	-.69	.12	5	-.42	.41	-.26	.43	-.62	52	.5406	.3445	-.91	6	@74
1	-2.16	.74	2	-.56	.33	-1.59	.81	-1.96	48	.0560	.1885	-.	7	@89
1	-2.16	.74	3	-1.09	.30	-1.06	.80	-1.33	48	.1899	.3138	-.15	7	@89
1	-2.16	.74	5	-.10	.40	-2.06	.84	-2.45	49	.0179	.0233	-2.64	7	@89
1	-2.16	.74	7	-.45	.11	-1.71	.75	-2.28	34	.0290	.0114	-.54	7	@89
2	-.56	.33	1	-2.16	.74	1.59	.81	1.96	48	.0560	.1885	+.	7	@89
2	-.56	.33	3	-1.09	.30	.53	.45	1.18	95	.2418	.6658	.83	7	@89
2	-.56	.33	5	-.10	.40	-.47	.52	-.90	69	.3717	.3569	.54	7	@89
2	-.56	.33	7	-.45	.11	-.12	.35	-.33	71	.7417	.5909	.32	7	@89
3	-1.09	.30	1	-2.16	.74	1.06	.80	1.33	48	.1899	.3138	.15	7	@89
3	-1.09	.30	2	-.56	.33	-.53	.45	-1.18	95	.2418	.6658	-.83	7	@89
3	-1.09	.30	5	-.10	.40	-1.00	.50	-2.00	76	.0489	.0088	-1.71	7	@89
3	-1.09	.30	7	-.45	.11	-.65	.32	-2.01	119	.0462	.0289	-.66	7	@89
5	-.10	.40	1	-2.16	.74	2.06	.84	2.45	49	.0179	.0233	2.64	7	@89
5	-.10	.40	2	-.56	.33	.47	.52	.90	69	.3717	.3569	-.54	7	@89
5	-.10	.40	3	-1.09	.30	1.00	.50	2.00	76	.0489	.0088	1.71	7	@89
5	-.10	.40	7	-.45	.11	.35	.41	.85	52	.4008	.3698	.51	7	@89
7	-.45	.11	1	-2.16	.74	1.71	.75	2.28	34	.0290	.0114	.54	7	@89
7	-.45	.11	2	-.56	.33	.12	.35	.33	71	.7417	.5909	-.32	7	@89
7	-.45	.11	3	-1.09	.30	.65	.32	2.01	119	.0462	.0289	.66	7	@89
7	-.45	.11	5	-.10	.40	-.35	.41	-.85	52	.4008	.3698	-.51	7	@89
1	-1.70	.62	2	-1.16	.36	-.54	.72	-.76	53	.4518	.6854	-.23	8	@100
1	-1.70	.62	3	-.75	.28	-.95	.68	-1.39	50	.1712	.6220	.47	8	@100
1	-1.70	.62	5	-.78	.44	-.92	.76	-1.21	53	.2323	.1109	-1.25	8	@100
1	-1.70	.62	7	-1.27	.13	-.43	.63	-.68	38	.5037	.9862	.63	8	@100
2	-1.16	.36	1	-1.70	.62	.54	.72	.76	53	.4518	.6854	.23	8	@100
2	-1.16	.36	3	-.75	.28	-.40	.46	-.88	92	.3791	.5289	-.66	8	@100

2	-1.16	.36	5	-.78	.44	-.37	.57	-.66	68	.5104	.4817	-.57	8	@100	
2	-1.16	.36	7	-1.27	.13	.11	.38	.30	73	.7644	.8417	-.39	8	@100	
3	-.75	.28	1	-1.70	.62	.95	.68	1.39	50	.1712	.6220	-.47	8	@100	
3	-.75	.28	2	-1.16	.36	.40	.46	.88	92	.3791	.5289	.66	8	@100	
3	-.75	.28	5	-.78	.44	.03	.52	.06	71	.9551	.8584	-.72	8	@100	
3	-.75	.28	7	-1.27	.13	.52	.31	1.66	132	.0996	.0960	.74	8	@100	
5	-.78	.44	1	-1.70	.62	.92	.76	1.21	53	.2323	.1109	1.25	8	@100	
5	-.78	.44	2	-1.16	.36	.37	.57	.66	68	.5104	.4817	.57	8	@100	
5	-.78	.44	3	-.75	.28	-.03	.52	-.06	71	.9551	.8584	.72	8	@100	
5	-.78	.44	7	-1.27	.13	.49	.46	1.07	53	.2895	.2639	.85	8	@100	
7	-1.27	.13	1	-1.70	.62	.43	.63	.68	38	.5037	.9862	-.63	8	@100	
7	-1.27	.13	2	-1.16	.36	-.11	.38	-.30	73	.7644	.8417	.39	8	@100	
7	-1.27	.13	3	-.75	.28	-.52	.31	-1.66	132	.0996	.0960	-.74	8	@100	
7	-1.27	.13	5	-.78	.44	-.49	.46	-1.07	53	.2895	.2639	-.85	8	@100	
1	-1.08	.50	2	-1.16	.36	.07	.62	.12	57	.9056	.5306	1.04	9	@114	
1	-1.08	.50	3	-.69	.28	-.40	.58	-.69	55	.4940	.5113	-.06	9	@114	
1	-1.08	.50	5	-.78	.44	-.30	.67	-.45	56	.6545	.9013	-.72	9	@114	
1	-1.08	.50	7	-.61	.12	-.48	.52	-.92	39	.3613	.4838	-.80	9	@114	
2	-1.16	.36	1	-1.08	.50	-.07	.62	-.12	57	.9056	.5306	-1.04	9	@114	
2	-1.16	.36	3	-.69	.28	-.47	.46	-1.04	91	.3031	.1313	-1.36	9	@114	
2	-1.16	.36	5	-.78	.44	-.37	.57	-.66	68	.5104	.4143	-.69	9	@114	
2	-1.16	.36	7	-.61	.12	-.55	.38	-1.47	69	.1472	.0356	-.95	9	@114	
3	-.69	.28	1	-1.08	.50	.40	.58	.69	55	.4940	.5113	.06	9	@114	
3	-.69	.28	2	-1.16	.36	.47	.46	1.04	91	.3031	.1313	1.36	9	@114	
3	-.69	.28	5	-.78	.44	.10	.52	.19	71	.8526	.4461	-.19	9	@114	
3	-.69	.28	7	-.61	.12	-.08	.30	-.27	124	.7904	.4415	-.24	9	@114	
5	-.78	.44	1	-1.08	.50	.30	.67	.45	56	.6545	.9013	.72	9	@114	
5	-.78	.44	2	-1.16	.36	.37	.57	.66	68	.5104	.4143	.69	9	@114	
5	-.78	.44	3	-.69	.28	-.10	.52	-.19	71	.8526	.4461	.19	9	@114	
5	-.78	.44	7	-.61	.12	-.18	.45	-.39	51	.6961	.9809	-.44	9	@114	
7	-.61	.12	1	-1.08	.50	.48	.52	.92	39	.3613	.4838	.80	9	@114	
7	-.61	.12	2	-1.16	.36	.55	.38	1.47	69	.1472	.0356	.95	9	@114	
7	-.61	.12	3	-.69	.28	.08	.30	.27	124	.7904	.4415	.24	9	@114	
7	-.61	.12	5	-.78	.44	.18	.45	.39	51	.6961	.9809	.44	9	@114	
1	.88	.40	2	.33	.34	.54	.53	1.03	60	.3080	.0450	-.37	10	@125	
1	.88	.40	3	.06	.27	.81	.48	1.68	60	.0986	.0086	2.23	10	@125	
1	.88	.40	5	.67	.39	.21	.56	.37	57	.7093	.5463	.41	10	@125	
1	.88	.40	7	.26	.11	.61	.42	1.47	41	.1497	.5078	.30	10	@125	
2	.33	.34	1	.88	.40	-.54	.53	-1.03	60	.3080	.0450	.37	10	@125	
2	.33	.34	3	.06	.27	.27	.43	.62	91	.5397	.9209	-.39	10	@125	
2	.33	.34	5	.67	.39	-.33	.52	-.65	69	.5202	.0869	-.	10	@125	
2	.33	.34	7	.26	.11	.07	.36	.19	68	.8483	.7904	-.32	10	@125	
3	.06	.27	1	.88	.40	-.81	.48	-1.68	60	.0986	.0086	-2.23	10	@125	
3	.06	.27	2	.33	.34	-.27	.43	-.62	91	.5397	.9209	.39	10	@125	
3	.06	.27	5	.67	.39	-.60	.47	-1.28	73	.2052	.0419	-.	10	@125	
3	.06	.27	7	.26	.11	-.20	.29	-.69	123	.4923	.2207	-.25	10	@125	
5	.67	.39	1	.88	.40	-.21	.56	-.37	57	.7093	.5463	-.41	10	@125	
5	.67	.39	2	.33	.34	.33	.52	.65	69	.5202	.0869	+.	10	@125	
5	.67	.39	3	.06	.27	.60	.47	1.28	73	.2052	.0419	+.	10	@125	
5	.67	.39	7	.26	.11	.40	.40	1.00	52	.3211	.3422	.14	10	@125	
7	.26	.11	1	.88	.40	-.61	.42	-1.47	41	.1497	.5078	-.30	10	@125	
7	.26	.11	2	.33	.34	-.07	.36	-.19	68	.8483	.7904	.32	10	@125	
7	.26	.11	3	.06	.27	.20	.29	.69	123	.4923	.2207	.25	10	@125	
7	.26	.11	5	.67	.39	-.40	.40	-1.00	52	.3211	.3422	-.14	10	@125	
1	1.05	.41	2	.97	.38	.07	.56	.13	61	.8947	.6340	.69	11	@126	
1	1.05	.41	3	1.29	.30	-.24	.51	-.47	63	.6371	.3542	.38	11	@126	
1	1.05	.41	5	.36	.39	.68	.56	1.21	57	.2321	.4202	1.59	11	@126	
1	1.05	.41	7	1.08	.11	-.03	.43	-.07	41	.9454	.7388	.72	11	@126	
2	.97	.38	1	1.05	.41	-.07	.56	-.13	61	.8947	.6340	-.69	11	@126	
2	.97	.38	3	1.29	.30	-.32	.48	-.65	92	.5159	.9744	-.14	11	@126	
2	.97	.38	5	.36	.39	.61	.54	1.12	70	.2663	.2382	.62	11	@126	
2	.97	.38	7	1.08	.11	-.10	.40	-.26	66	.7942	.5763	-.84	11	@126	
3	1.29	.30	1	1.05	.41	.24	.51	.47	63	.6371	.3542	-.38	11	@126	
3	1.29	.30	2	.97	.38	.32	.48	.65	92	.5159	.9744	.14	11	@126	
3	1.29	.30	5	.36	.39	.92	.49	1.88	77	.0634	.0847	1.09	11	@126	
3	1.29	.30	7	1.08	.11	.21	.32	.66	118	.5096	.6228	-.13	11	@126	
5	.36	.39	1	1.05	.41	-.68	.56	-1.21	57	.2321	.4202	-1.59	11	@126	
5	.36	.39	2	.97	.38	-.61	.54	-1.12	70	.2663	.2382	-.62	11	@126	
5	.36	.39	3	1.29	.30	-.92	.49	-1.88	77	.0634	.0847	-1.09	11	@126	
5	.36	.39	7	1.08	.11	-.71	.40	-1.76	52	.0841	.1468	-.71	11	@126	
7	1.08	.11	1	1.05	.41	.03	.43	.07	41	.9454	.7388	-.72	11	@126	
7	1.08	.11	2	.97	.38	.10	.40	.26	66	.7942	.5763	.84	11	@126	
7	1.08	.11	3	1.29	.30	-.21	.32	-.66	118	.5096	.6228	.13	11	@126	
7	1.08	.11	5	.36	.39	.71	.40	1.76	52	.0841	.1468	.71	11	@126	
1	-.26	.42	2	-.68	.34	.42	.54	.78	59	.4390	.2313	-.92	12	@147	
1	-.26	.42	3	.72	.28	-.98	.50	-1.94	60	.0567	.3705	-.37	12	@147	

1	-.26	.42	5	.06	.39	-.32	.57	-.55	56	.5812	.2585	.57	12	@147
1	-.26	.42	7	-.10	.11	-.16	.43	-.38	41	.7096	.9971	-.02	12	@147
2	-.68	.34	1	-.26	.42	-.42	.54	-.78	59	.4390	.2313	.92	12	@147
2	-.68	.34	3	.72	.28	-1.39	.44	-3.20	93	.0019	.0001	-.25	12	@147
2	-.68	.34	5	.06	.39	-.74	.52	-1.43	69	.1585	.4029	.20	12	@147
2	-.68	.34	7	-.10	.11	-.58	.35	-1.64	69	.1055	.0076	-.89	12	@147
3	.72	.28	1	-.26	.42	.98	.50	1.94	60	.0567	.3705	.37	12	@147
3	.72	.28	2	-.68	.34	1.39	.44	3.20	93	.0019	.0001	.25	12	@147
3	.72	.28	5	.06	.39	.66	.48	1.37	74	.1757	.3257	.66	12	@147
3	.72	.28	7	-.10	.11	.81	.30	2.74	122	.0071	.0059	.81	12	@147
5	.06	.39	1	-.26	.42	.32	.57	.55	56	.5812	.2585	-.57	12	@147
5	.06	.39	2	-.68	.34	.74	.52	1.43	69	.1585	.4029	-.20	12	@147
5	.06	.39	3	.72	.28	-.66	.48	-1.37	74	.1757	.3257	-.66	12	@147
5	.06	.39	7	-.10	.11	.16	.41	.38	52	.7034	.6613	.04	12	@147
7	-.10	.11	1	-.26	.42	.16	.43	.38	41	.7096	.9971	.02	12	@147
7	-.10	.11	2	-.68	.34	.58	.35	1.64	69	.1055	.0076	.89	12	@147
7	-.10	.11	3	.72	.28	-.81	.30	-2.74	122	.0071	.0059	-.81	12	@147
7	-.10	.11	5	.06	.39	-.16	.41	-.38	52	.7034	.6613	-.04	12	@147
1	1.04	.41	2	1.12	.39	-.08	.57	-.14	62	.8877	.8107	-.46	13	@151
1	1.04	.41	3	.72	.28	.32	.49	.66	61	.5145	.3874	.43	13	@151
1	1.04	.41	5	.67	.39	.38	.56	.66	57	.5091	.6492	.21	13	@151
1	1.04	.41	7	.85	.11	.19	.42	.44	41	.6604	.5261	-.02	13	@151
2	1.12	.39	1	1.04	.41	.08	.57	.14	62	.8877	.8107	.46	13	@151
2	1.12	.39	3	.72	.28	.40	.48	.85	88	.4003	.7358	.55	13	@151
2	1.12	.39	5	.67	.39	.46	.55	.83	71	.4112	.7372	+.	13	@151
2	1.12	.39	7	.85	.11	.27	.41	.66	65	.5115	.2937	.15	13	@151
3	.72	.28	1	1.04	.41	-.32	.49	-.66	61	.5145	.3874	-.43	13	@151
3	.72	.28	2	1.12	.39	-.40	.48	-.85	88	.4003	.7358	-.55	13	@151
3	.72	.28	5	.67	.39	.05	.48	.11	74	.9145	.6474	-.98	13	@151
3	.72	.28	7	.85	.11	-.14	.30	-.46	122	.6474	.9041	-.04	13	@151
5	.67	.39	1	1.04	.41	-.38	.56	-.66	57	.5091	.6492	-.21	13	@151
5	.67	.39	2	1.12	.39	-.46	.55	-.83	71	.4112	.7372	-.	13	@151
5	.67	.39	3	.72	.28	-.05	.48	-.11	74	.9145	.6474	.98	13	@151
5	.67	.39	7	.85	.11	-.19	.40	-.46	52	.6446	.5239	-.37	13	@151
7	.85	.11	1	1.04	.41	-.19	.42	-.44	41	.6604	.5261	.02	13	@151
7	.85	.11	2	1.12	.39	-.27	.41	-.66	65	.5115	.2937	-.15	13	@151
7	.85	.11	3	.72	.28	.14	.30	.46	122	.6474	.9041	.04	13	@151
7	.85	.11	5	.67	.39	.19	.40	.46	52	.6446	.5239	.37	13	@151
1	-2.90	1.02	2	-.68	.34	-2.22	1.08	-2.06	42	.0457	.0143	-.	14	@152
1	-2.90	1.02	3	-.67	.28	-2.22	1.06	-2.09	40	.0426	.0155	-.	14	@152
1	-2.90	1.02	5	-1.20	.48	-1.70	1.13	-1.50	47	.1400	.4335	-.	14	@152
1	-2.90	1.02	7	-.80	.12	-2.10	1.03	-2.03	32	.0502	.0223	.37	14	@152
2	-.68	.34	1	-2.90	1.02	2.22	1.08	2.06	42	.0457	.0143	+.	14	@152
2	-.68	.34	3	-.67	.28	.00	.44	-.01	93	.9935	.7118	.18	14	@152
2	-.68	.34	5	-1.20	.48	.52	.59	.89	66	.3757	.4957	-.54	14	@152
2	-.68	.34	7	-.80	.12	.12	.36	.34	72	.7324	.6674	.23	14	@152
3	-.67	.28	1	-2.90	1.02	2.22	1.06	2.09	40	.0426	.0155	+.	14	@152
3	-.67	.28	2	-.68	.34	.00	.44	.01	93	.9935	.7118	-.18	14	@152
3	-.67	.28	5	-1.20	.48	.53	.56	.95	68	.3466	.6888	-.28	14	@152
3	-.67	.28	7	-.80	.12	.13	.31	.41	126	.6792	.7963	.60	14	@152
5	-1.20	.48	1	-2.90	1.02	1.70	1.13	1.50	47	.1400	.4335	+.	14	@152
5	-1.20	.48	2	-.68	.34	-.52	.59	-.89	66	.3757	.4957	.54	14	@152
5	-1.20	.48	3	-.67	.28	-.53	.56	-.95	68	.3466	.6888	.28	14	@152
5	-1.20	.48	7	-.80	.12	-.40	.49	-.81	49	.4223	.5280	1.02	14	@152
7	-.80	.12	1	-2.90	1.02	2.10	1.03	2.03	32	.0502	.0223	-.37	14	@152
7	-.80	.12	2	-.68	.34	-.12	.36	-.34	72	.7324	.6674	-.23	14	@152
7	-.80	.12	3	-.67	.28	-.13	.31	-.41	126	.6792	.7963	-.60	14	@152
7	-.80	.12	5	-1.20	.48	.40	.49	.81	49	.4223	.5280	-1.02	14	@152
1	.40	.40	2	.83	.37	-.43	.54	-.80	61	.4256	.7305	-.46	15	@174
1	.40	.40	3	.72	.28	-.32	.48	-.66	62	.5121	.2715	-.37	15	@174
1	.40	.40	5	.36	.39	.03	.56	.06	57	.9526	.3696	1.13	15	@174
1	.40	.40	7	1.03	.11	-.63	.41	-1.52	42	.1355	.1234	-.34	15	@174
2	.83	.37	1	.40	.40	.43	.54	.80	61	.4256	.7305	.46	15	@174
2	.83	.37	3	.72	.28	.12	.46	.25	90	.8013	.7691	-.17	15	@174
2	.83	.37	5	.36	.39	.47	.54	.87	70	.3850	.4333	+.	15	@174
2	.83	.37	7	1.03	.11	-.19	.39	-.50	67	.6181	.6031	-.49	15	@174
3	.72	.28	1	.40	.40	.32	.48	.66	62	.5121	.2715	.37	15	@174
3	.72	.28	2	.83	.37	-.12	.46	-.25	90	.8013	.7691	.17	15	@174
3	.72	.28	5	.36	.39	.35	.48	.74	74	.4619	.1620	.69	15	@174
3	.72	.28	7	1.03	.11	-.31	.30	-1.04	123	.2998	.4573	-.34	15	@174
5	.36	.39	1	.40	.40	-.03	.56	-.06	57	.9526	.3696	-1.13	15	@174
5	.36	.39	2	.83	.37	-.47	.54	-.87	70	.3850	.4333	-.	15	@174
5	.36	.39	3	.72	.28	-.35	.48	-.74	74	.4619	.1620	-.69	15	@174
5	.36	.39	7	1.03	.11	-.66	.40	-1.64	52	.1075	.0476	-.16	15	@174
7	1.03	.11	1	.40	.40	.63	.41	1.52	42	.1355	.1234	.34	15	@174
7	1.03	.11	2	.83	.37	.19	.39	.50	67	.6181	.6031	.49	15	@174

7	1.03	.11	3	.72	.28	.31	.30	1.04	123	.2998	.4573	.34	15	@174
7	1.03	.11	5	.36	.39	.66	.40	1.64	52	.1075	.0476	.16	15	@174
1	-.26	.42	2	.45	.35	-.71	.54	-1.30	60	.1986	.0919	-.41	16	@267
1	-.26	.42	3	.28	.27	-.54	.50	-1.08	59	.2861	.1689	-.75	16	@267
1	-.26	.42	5	.21	.39	-.47	.57	-.82	56	.4132	.3931	-.69	16	@267
1	-.26	.42	7	.34	.11	-.60	.43	-1.39	40	.1722	.2984	-.16	16	@267
2	.45	.35	1	-.26	.42	.71	.54	1.30	60	.1986	.0919	.41	16	@267
2	.45	.35	3	.28	.27	.17	.44	.39	91	.6949	.5199	.34	16	@267
2	.45	.35	5	.21	.39	.24	.52	.45	69	.6527	.6928	.72	16	@267
2	.45	.35	7	.34	.11	.11	.36	.29	68	.7720	.9472	-.13	16	@267
3	.28	.27	1	-.26	.42	.54	.50	1.08	59	.2861	.1689	.75	16	@267
3	.28	.27	2	.45	.35	-.17	.44	-.39	91	.6949	.5199	-.34	16	@267
3	.28	.27	5	.21	.39	.06	.47	.13	73	.8936	.8935	-.66	16	@267
3	.28	.27	7	.34	.11	-.07	.29	-.23	123	.8177	.6895	-.10	16	@267
5	.21	.39	1	-.26	.42	.47	.57	.82	56	.4132	.3931	.69	16	@267
5	.21	.39	2	.45	.35	-.24	.52	-.45	69	.6527	.6928	-.72	16	@267
5	.21	.39	3	.28	.27	-.06	.47	-.13	73	.8936	.8935	.66	16	@267
5	.21	.39	7	.34	.11	-.13	.40	-.32	51	.7491	.8864	.19	16	@267
7	.34	.11	1	-.26	.42	.60	.43	1.39	40	.1722	.2984	.16	16	@267
7	.34	.11	2	.45	.35	-.11	.36	-.29	68	.7720	.9472	.13	16	@267
7	.34	.11	3	.28	.27	.07	.29	.23	123	.8177	.6895	.10	16	@267
7	.34	.11	5	.21	.39	.13	.40	.32	51	.7491	.8864	-.19	16	@267
1	.71	.40	2	.21	.34	.50	.52	.95	60	.3440	.5495	.69	17	@286
1	.71	.40	3	.35	.27	.37	.48	.76	61	.4506	.4733	-.61	17	@286
1	.71	.40	5	-.10	.40	.81	.56	1.44	57	.1563	.2152	.07	17	@286
1	.71	.40	7	.32	.11	.39	.41	.95	41	.3496	.1131	.74	17	@286
2	.21	.34	1	.71	.40	-.50	.52	-.95	60	.3440	.5495	-.69	17	@286
2	.21	.34	3	.35	.27	-.13	.43	-.31	92	.7566	.9462	-.74	17	@286
2	.21	.34	5	-.10	.40	.31	.52	.59	69	.5547	.2388	-.94	17	@286
2	.21	.34	7	.32	.11	-.11	.36	-.30	68	.7623	.5616	-.85	17	@286
3	.35	.27	1	.71	.40	-.37	.48	-.76	61	.4506	.4733	.61	17	@286
3	.35	.27	2	.21	.34	.13	.43	.31	92	.7566	.9462	.74	17	@286
3	.35	.27	5	-.10	.40	.44	.48	.93	73	.3571	.4669	-.05	17	@286
3	.35	.27	7	.32	.11	.03	.29	.09	123	.9276	.8503	.05	17	@286
5	-.10	.40	1	.71	.40	-.81	.56	-1.44	57	.1563	.2152	-.07	17	@286
5	-.10	.40	2	.21	.34	-.31	.52	-.59	69	.5547	.2388	.94	17	@286
5	-.10	.40	3	.35	.27	-.44	.48	-.93	73	.3571	.4669	.05	17	@286
5	-.10	.40	7	.32	.11	-.42	.41	-1.01	51	.3151	.4263	.21	17	@286
7	.32	.11	1	.71	.40	-.39	.41	-.95	41	.3496	.1131	-.74	17	@286
7	.32	.11	2	.21	.34	.11	.36	.30	68	.7623	.5616	.85	17	@286
7	.32	.11	3	.35	.27	-.03	.29	-.09	123	.9276	.8503	-.05	17	@286
7	.32	.11	5	-.10	.40	.42	.41	1.01	51	.3151	.4263	-.21	17	@286
1	1.39	.43	2	.57	.35	.82	.56	1.47	59	.1467	.2811	1.30	18	@288
1	1.39	.43	3	1.79	.34	-.39	.55	-.71	65	.4776	.6350	.47	18	@288
1	1.39	.43	5	.97	.39	.42	.59	.72	56	.4718	.7885	.02	18	@288
1	1.39	.43	7	1.13	.11	.27	.45	.60	41	.5537	.9912	-.34	18	@288
2	.57	.35	1	1.39	.43	-.82	.56	-1.47	59	.1467	.2811	-1.30	18	@288
2	.57	.35	3	1.79	.34	-1.21	.49	-2.49	97	.0145	.0715	-.84	18	@288
2	.57	.35	5	.97	.39	-.40	.53	-.75	70	.4547	.9611	-.32	18	@288
2	.57	.35	7	1.13	.11	-.55	.37	-1.49	68	.1397	.3549	-.79	18	@288
3	1.79	.34	1	1.39	.43	.39	.55	.71	65	.4776	.6350	-.47	18	@288
3	1.79	.34	2	.57	.35	1.21	.49	2.49	97	.0145	.0715	.84	18	@288
3	1.79	.34	5	.97	.39	.81	.52	1.58	80	.1190	.2789	.07	18	@288
3	1.79	.34	7	1.13	.11	.66	.35	1.86	112	.0654	.0449	.09	18	@288
5	.97	.39	1	1.39	.43	-.42	.59	-.72	56	.4718	.7885	-.02	18	@288
5	.97	.39	2	.57	.35	.40	.53	.75	70	.4547	.9611	.32	18	@288
5	.97	.39	3	1.79	.34	-.81	.52	-1.58	80	.1190	.2789	-.07	18	@288
5	.97	.39	7	1.13	.11	-.16	.41	-.38	52	.7035	.6841	-.44	18	@288
7	1.13	.11	1	1.39	.43	-.27	.45	-.60	41	.5537	.9912	.34	18	@288
7	1.13	.11	2	.57	.35	.55	.37	1.49	68	.1397	.3549	.79	18	@288
7	1.13	.11	3	1.79	.34	-.66	.35	-1.86	112	.0654	.0449	-.09	18	@288
7	1.13	.11	5	.97	.39	.16	.41	.38	52	.7035	.6841	.44	18	@288
1	-.63	.45	2	-.45	.33	-.18	.56	-.32	58	.7487	.8516	-.51	19	@289
1	-.63	.45	3	-.37	.27	-.26	.53	-.50	58	.6211	.3511	-.22	19	@289
1	-.63	.45	5	.21	.39	-.85	.60	-1.42	56	.1600	.4989	.18	19	@289
1	-.63	.45	7	-.39	.11	-.24	.46	-.52	40	.6092	.3916	-.71	19	@289
2	-.45	.33	1	-.63	.45	.18	.56	.32	58	.7487	.8516	.51	19	@289
2	-.45	.33	3	-.37	.27	-.08	.43	-.19	93	.8509	.9274	-.12	19	@289
2	-.45	.33	5	.21	.39	-.67	.51	-1.30	69	.1975	.3196	-.93	19	@289
2	-.45	.33	7	-.39	.11	-.06	.35	-.17	71	.8676	.9730	.06	19	@289
3	-.37	.27	1	-.63	.45	.26	.53	.50	58	.6211	.3511	.22	19	@289
3	-.37	.27	2	-.45	.33	.08	.43	.19	93	.8509	.9274	.12	19	@289
3	-.37	.27	5	.21	.39	-.59	.48	-1.23	74	.2214	.9753	-.14	19	@289
3	-.37	.27	7	-.39	.11	.02	.29	.08	125	.9400	.6893	.21	19	@289
5	.21	.39	1	-.63	.45	.85	.60	1.42	56	.1600	.4989	-.18	19	@289
5	.21	.39	2	-.45	.33	.67	.51	1.30	69	.1975	.3196	.93	19	@289

5	.21	.39	3	-.37	.27	.59	.48	1.23	74	.2214	.9753	.14	19	@289
5	.21	.39	7	-.39	.11	.61	.41	1.50	52	.1400	.1609	.35	19	@289
7	-.39	.11	1	-.63	.45	.24	.46	.52	40	.6092	.3916	.71	19	@289
7	-.39	.11	2	-.45	.33	.06	.35	.17	71	.8676	.9730	-.06	19	@289
7	-.39	.11	3	-.37	.27	-.02	.29	-.08	125	.9400	.6893	-.21	19	@289
7	-.39	.11	5	.21	.39	-.61	.41	-1.50	52	.1400	.1609	-.35	19	@289
1	-1.08	.50	2	-.79	.34	-.29	.61	-.48	56	.6360	.1301	-.51	20	@616
1	-1.08	.50	3	-1.00	.30	-.08	.58	-.14	57	.8922	.7147	.41	20	@616
1	-1.08	.50	5	-.42	.41	-.66	.65	-1.01	55	.3154	.0943	-1.20	20	@616
1	-1.08	.50	7	-.77	.12	-.31	.52	-.60	39	.5512	.3308	.11	20	@616
2	-.79	.34	1	-1.08	.50	.29	.61	.48	56	.6360	.1301	.51	20	@616
2	-.79	.34	3	-1.00	.30	.21	.45	.47	94	.6421	.3015	.39	20	@616
2	-.79	.34	5	-.42	.41	-.37	.54	-.69	69	.4909	.4502	.31	20	@616
2	-.79	.34	7	-.77	.12	-.02	.36	-.06	72	.9517	.5862	.49	20	@616
3	-1.00	.30	1	-1.08	.50	.08	.58	.14	57	.8922	.7147	-.41	20	@616
3	-1.00	.30	2	-.79	.34	-.21	.45	-.47	94	.6421	.3015	-.39	20	@616
3	-1.00	.30	5	-.42	.41	-.58	.51	-1.15	74	.2558	.6263	-.11	20	@616
3	-1.00	.30	7	-.77	.12	-.23	.32	-.73	123	.4671	.6429	.16	20	@616
5	-.42	.41	1	-1.08	.50	.66	.65	1.01	55	.3154	.0943	1.20	20	@616
5	-.42	.41	2	-.79	.34	.37	.54	.69	69	.4909	.4502	-.31	20	@616
5	-.42	.41	3	-1.00	.30	.58	.51	1.15	74	.2558	.6263	.11	20	@616
5	-.42	.41	7	-.77	.12	.35	.43	.81	52	.4206	.5458	.48	20	@616
7	-.77	.12	1	-1.08	.50	.31	.52	.60	39	.5512	.3308	-.11	20	@616
7	-.77	.12	2	-.79	.34	.02	.36	.06	72	.9517	.5862	-.49	20	@616
7	-.77	.12	3	-1.00	.30	.23	.32	.73	123	.4671	.6429	-.16	20	@616
7	-.77	.12	5	-.42	.41	-.35	.43	-.81	52	.4206	.5458	-.48	20	@616
1	1.04	.41	2	.83	.37	.21	.55	.38	61	.7079	.9848	-.46	21	@617
1	1.04	.41	3	1.03	.29	.01	.50	.02	62	.9849	.5268	-.59	21	@617
1	1.04	.41	5	-.10	.40	1.14	.57	1.99	57	.0516	.2973	-.50	21	@617
1	1.04	.41	7	.63	.11	.41	.42	.98	41	.3346	.5552	.01	21	@617
2	.83	.37	1	1.04	.41	-.21	.55	-.38	61	.7079	.9848	.46	21	@617
2	.83	.37	3	1.03	.29	-.20	.47	-.42	91	.6723	.5408	.95	21	@617
2	.83	.37	5	-.10	.40	.93	.54	1.71	70	.0915	.0527	.67	21	@617
2	.83	.37	7	.63	.11	.21	.38	.54	66	.5929	.5626	-.05	21	@617
3	1.03	.29	1	1.04	.41	-.01	.50	-.02	62	.9849	.5268	.59	21	@617
3	1.03	.29	2	.83	.37	.20	.47	.42	91	.6723	.5408	-.95	21	@617
3	1.03	.29	5	-.10	.40	1.13	.49	2.30	75	.0243	.0450	-.69	21	@617
3	1.03	.29	7	.63	.11	.40	.31	1.32	119	.1888	.1421	-.11	21	@617
5	-.10	.40	1	1.04	.41	-1.14	.57	-1.99	57	.0516	.2973	.50	21	@617
5	-.10	.40	2	.83	.37	-.93	.54	-1.71	70	.0915	.0527	-.67	21	@617
5	-.10	.40	3	1.03	.29	-1.13	.49	-2.30	75	.0243	.0450	.69	21	@617
5	-.10	.40	7	.63	.11	-.72	.41	-1.75	51	.0861	.1068	.04	21	@617
7	.63	.11	1	1.04	.41	-.41	.42	-.98	41	.3346	.5552	-.01	21	@617
7	.63	.11	2	.83	.37	-.21	.38	-.54	66	.5929	.5626	.05	21	@617
7	.63	.11	3	1.03	.29	-.40	.31	-1.32	119	.1888	.1421	.11	21	@617
7	.63	.11	5	-.10	.40	.72	.41	1.75	51	.0861	.1068	-.04	21	@617
1	-4.12>	1.81	2	-1.73	.41	-2.38	1.86	-1.28	37	.2080	.0976	-.	22	@620
1	-4.12>	1.81	3	-1.18	.31	-2.93	1.84	-1.59	35	.1201	.0392	-.	22	@620
1	-4.12>	1.81	5	-1.73	.56	-2.39	1.90	-1.26	41	.2158	.0673	-.	22	@620
1	-4.12>	1.81	7	-1.58	.14	-2.53	1.82	-1.39	30	.1745	.0788	-.	22	@620
2	-1.73	.41	1	-4.12>	1.81	2.38	1.86	1.28	37	.2080	.0976	+.	22	@620
2	-1.73	.41	3	-1.18	.31	-.55	.51	-1.08	90	.2831	.5102	.34	22	@620
2	-1.73	.41	5	-1.73	.56	.00	.69	.00	67	.9960	.5409	-.69	22	@620
2	-1.73	.41	7	-1.58	.14	-.15	.43	-.35	71	.7305	.4028	.18	22	@620
3	-1.18	.31	1	-4.12>	1.81	2.93	1.84	1.59	35	.1201	.0392	+.	22	@620
3	-1.18	.31	2	-1.73	.41	.55	.51	1.08	90	.2831	.5102	-.34	22	@620
3	-1.18	.31	5	-1.73	.56	.55	.64	.86	66	.3935	.7181	-.17	22	@620
3	-1.18	.31	7	-1.58	.14	.40	.34	1.19	132	.2368	.3759	.43	22	@620
5	-1.73	.56	1	-4.12>	1.81	2.39	1.90	1.26	41	.2158	.0673	+.	22	@620
5	-1.73	.56	2	-1.73	.41	.00	.69	.00	67	.9960	.5409	.69	22	@620
5	-1.73	.56	3	-1.18	.31	-.55	.64	-.86	66	.3935	.7181	.17	22	@620
5	-1.73	.56	7	-1.58	.14	-.15	.57	-.25	50	.8012	.9955	.70	22	@620
7	-1.58	.14	1	-4.12>	1.81	2.53	1.82	1.39	30	.1745	.0788	+.	22	@620
7	-1.58	.14	2	-1.73	.41	.15	.43	.35	71	.7305	.4028	-.18	22	@620
7	-1.58	.14	3	-1.18	.31	-.40	.34	-1.19	132	.2368	.3759	-.43	22	@620
7	-1.58	.14	5	-1.73	.56	.15	.57	.25	50	.8012	.9955	-.70	22	@620
1	-.26	.42	2	.21	.34	-.47	.54	-.88	59	.3841	.9788	-1.06	23	@631
1	-.26	.42	3	.21	.27	-.46	.50	-.93	59	.3545	.6913	-.41	23	@631
1	-.26	.42	5	.67	.39	-.92	.57	-1.62	56	.1116	.1348	-.50	23	@631
1	-.26	.42	7	-.07	.11	-.19	.43	-.43	41	.6687	.7328	-.22	23	@631
2	.21	.34	1	-.26	.42	.47	.54	.88	59	.3841	.9788	1.06	23	@631
2	.21	.34	3	.21	.27	.01	.43	.02	92	.9838	.8693	.08	23	@631
2	.21	.34	5	.67	.39	-.45	.52	-.87	69	.3846	.1491	.32	23	@631
2	.21	.34	7	-.07	.11	.29	.36	.80	69	.4250	.5548	.13	23	@631
3	.21	.27	1	-.26	.42	.46	.50	.93	59	.3545	.6913	.41	23	@631
3	.21	.27	2	.21	.34	-.01	.43	-.02	92	.9838	.8693	-.08	23	@631

3	.21	.27	5	.67	.39	-.46	.47	-.98	73	.3325	.1479	-.47	23	@631
3	.21	.27	7	-.07	.11	.28	.29	.96	124	.3391	.4223	.10	23	@631
5	.67	.39	1	-.26	.42	.92	.57	1.62	56	.1116	.1348	.50	23	@631
5	.67	.39	2	.21	.34	.45	.52	.87	69	.3846	.1491	-.32	23	@631
5	.67	.39	3	.21	.27	.46	.47	.98	73	.3325	.1479	.47	23	@631
5	.67	.39	7	-.07	.11	.74	.40	1.83	52	.0735	.1609	.37	23	@631
7	-.07	.11	1	-.26	.42	.19	.43	.43	41	.6687	.7328	.22	23	@631
7	-.07	.11	2	.21	.34	-.29	.36	-.80	69	.4250	.5548	-.13	23	@631
7	-.07	.11	3	.21	.27	-.28	.29	-.96	124	.3391	.4223	-.10	23	@631
7	-.07	.11	5	.67	.39	-.74	.40	-1.83	52	.0735	.1609	-.37	23	@631
1	.55	.40	2	.97	.38	-.43	.55	-.78	62	.4410	.5297	1.10	24	@635
1	.55	.40	3	1.11	.29	-.57	.49	-1.15	63	.2532	.5985	-.29	24	@635
1	.55	.40	5	.97	.39	-.42	.56	-.76	57	.4521	.6412	-.12	24	@635
1	.55	.40	7	.39	.11	.16	.41	.38	41	.7065	.8847	.62	24	@635
2	.97	.38	1	.55	.40	.43	.55	.78	62	.4410	.5297	-1.10	24	@635
2	.97	.38	3	1.11	.29	-.14	.48	-.30	91	.7676	.9859	-.81	24	@635
2	.97	.38	5	.97	.39	.00	.55	.00	70	.9966	.8299	.00	24	@635
2	.97	.38	7	.39	.11	.58	.39	1.48	65	.1448	.0951	.09	24	@635
3	1.11	.29	1	.55	.40	.57	.49	1.15	63	.2532	.5985	.29	24	@635
3	1.11	.29	2	.97	.38	.14	.48	.30	91	.7676	.9859	.81	24	@635
3	1.11	.29	5	.97	.39	.14	.49	.29	75	.7695	.4706	.26	24	@635
3	1.11	.29	7	.39	.11	.72	.31	2.34	118	.0212	.0335	.44	24	@635
5	.97	.39	1	.55	.40	.42	.56	.76	57	.4521	.6412	.12	24	@635
5	.97	.39	2	.97	.38	.00	.55	.00	70	.9966	.8299	.00	24	@635
5	.97	.39	3	1.11	.29	-.14	.49	-.29	75	.7695	.4706	-.26	24	@635
5	.97	.39	7	.39	.11	.58	.41	1.42	51	.1619	.2381	.52	24	@635
7	.39	.11	1	.55	.40	-.16	.41	-.38	41	.7065	.8847	-.62	24	@635
7	.39	.11	2	.97	.38	-.58	.39	-1.48	65	.1448	.0951	-.09	24	@635
7	.39	.11	3	1.11	.29	-.72	.31	-2.34	118	.0212	.0335	-.44	24	@635
7	.39	.11	5	.97	.39	-.58	.41	-1.42	51	.1619	.2381	-.52	24	@635
1	1.39	.43	2	1.85	.48	-.46	.64	-.71	64	.4777	.2332	.37	25	@642
1	1.39	.43	3	1.47	.31	-.08	.53	-.15	63	.8820	.7859	.80	25	@642
1	1.39	.43	5	1.63	.43	-.24	.61	-.39	57	.6955	.3387	-.24	25	@642
1	1.39	.43	7	1.09	.11	.31	.45	.68	41	.4987	.7036	.17	25	@642
2	1.85	.48	1	1.39	.43	.46	.64	.71	64	.4777	.2332	-.37	25	@642
2	1.85	.48	3	1.47	.31	.38	.57	.67	86	.5056	.8753	-.29	25	@642
2	1.85	.48	5	1.63	.43	.22	.64	.35	71	.7309	1.000	-.59	25	@642
2	1.85	.48	7	1.09	.11	.76	.49	1.57	60	.1227	.1127	.01	25	@642
3	1.47	.31	1	1.39	.43	.08	.53	.15	63	.8820	.7859	-.80	25	@642
3	1.47	.31	2	1.85	.48	-.38	.57	-.67	86	.5056	.8753	.29	25	@642
3	1.47	.31	5	1.63	.43	-.16	.53	-.30	75	.7633	.5950	-.29	25	@642
3	1.47	.31	7	1.09	.11	.38	.33	1.16	116	.2470	.3407	-.31	25	@642
5	1.63	.43	1	1.39	.43	.24	.61	.39	57	.6955	.3387	.24	25	@642
5	1.63	.43	2	1.85	.48	-.22	.64	-.35	71	.7309	1.000	.59	25	@642
5	1.63	.43	3	1.47	.31	.16	.53	.30	75	.7633	.5950	.29	25	@642
5	1.63	.43	7	1.09	.11	.54	.44	1.24	50	.2222	.1676	.37	25	@642
7	1.09	.11	1	1.39	.43	-.31	.45	-.68	41	.4987	.7036	-.17	25	@642
7	1.09	.11	2	1.85	.48	-.76	.49	-1.57	60	.1227	.1127	-.01	25	@642
7	1.09	.11	3	1.47	.31	-.38	.33	-1.16	116	.2470	.3407	.31	25	@642
7	1.09	.11	5	1.63	.43	-.54	.44	-1.24	50	.2222	.1676	-.37	25	@642
1	.40	.40	2	-.01	.33	.41	.52	.79	60	.4331	.9188	-.31	26	@645
1	.40	.40	3	-.08	.27	.48	.48	1.00	61	.3226	.7938	-.87	26	@645
1	.40	.40	5	.36	.39	.03	.56	.06	57	.9526	.8644	-.91	26	@645
1	.40	.40	7	.19	.11	.21	.41	.50	41	.6178	.7933	-.28	26	@645
2	-.01	.33	1	.40	.40	-.41	.52	-.79	60	.4331	.9188	.31	26	@645
2	-.01	.33	3	-.08	.27	.07	.43	.16	92	.8739	.8315	.44	26	@645
2	-.01	.33	5	.36	.39	-.38	.51	-.74	69	.4647	.9253	.00	26	@645
2	-.01	.33	7	.19	.11	-.20	.35	-.58	69	.5661	.9475	.11	26	@645
3	-.08	.27	1	.40	.40	-.48	.48	-1.00	61	.3226	.7938	.87	26	@645
3	-.08	.27	2	-.01	.33	-.07	.43	-.16	92	.8739	.8315	-.44	26	@645
3	-.08	.27	5	.36	.39	-.44	.47	-.94	73	.3488	.8770	-.52	26	@645
3	-.08	.27	7	.19	.11	-.27	.29	-.94	123	.3508	.5647	-.25	26	@645
5	.36	.39	1	.40	.40	-.03	.56	-.06	57	.9526	.8644	.91	26	@645
5	.36	.39	2	-.01	.33	.38	.51	.74	69	.4647	.9253	.00	26	@645
5	.36	.39	3	-.08	.27	.44	.47	.94	73	.3488	.8770	.52	26	@645
5	.36	.39	7	.19	.11	.17	.40	.43	52	.6678	.9446	.82	26	@645
7	.19	.11	1	.40	.40	-.21	.41	-.50	41	.6178	.7933	.28	26	@645
7	.19	.11	2	-.01	.33	.20	.35	.58	69	.5661	.9475	-.11	26	@645
7	.19	.11	3	-.08	.27	.27	.29	.94	123	.3508	.5647	.25	26	@645
7	.19	.11	5	.36	.39	-.17	.40	-.43	52	.6678	.9446	-.82	26	@645
1	-.63	.45	2	-1.29	.37	.66	.58	1.13	59	.2633	.5268	.69	27	@648
1	-.63	.45	3	-1.59	.34	.96	.56	1.71	64	.0924	.0371	1.28	27	@648
1	-.63	.45	5	-1.20	.48	.57	.66	.86	57	.3918	.5234	+.	27	@648
1	-.63	.45	7	-.51	.11	-.12	.46	-.26	40	.7943	.6063	.45	27	@648
2	-1.29	.37	1	-.63	.45	-.66	.58	-1.13	59	.2633	.5268	-.69	27	@648
2	-1.29	.37	3	-1.59	.34	.30	.50	.61	96	.5432	.2833	.39	27	@648

2	-1.29	.37	5	-1.20	.48	-.09	.60	-.15	67	.8844	.9628	1.10	27	@648
2	-1.29	.37	7	-.51	.11	-.78	.38	-2.02	68	.0472	.1377	.27	27	@648
3	-1.59	.34	1	-.63	.45	-.96	.56	-1.71	64	.0924	.0371	-1.28	27	@648
3	-1.59	.34	2	-1.29	.37	-.30	.50	-.61	96	.5432	.2833	-.39	27	@648
3	-1.59	.34	5	-1.20	.48	-.39	.59	-.67	74	.5056	.3843	-.69	27	@648
3	-1.59	.34	7	-.51	.11	-1.08	.36	-3.04	113	.0029	.0027	-.55	27	@648
5	-1.20	.48	1	-.63	.45	-.57	.66	-.86	57	.3918	.5234	-.	27	@648
5	-1.20	.48	2	-1.29	.37	.09	.60	.15	67	.8844	.9628	-1.10	27	@648
5	-1.20	.48	3	-1.59	.34	.39	.59	.67	74	.5056	.3843	.69	27	@648
5	-1.20	.48	7	-.51	.11	-.69	.49	-1.40	48	.1688	.1483	.04	27	@648
7	-.51	.11	1	-.63	.45	.12	.46	.26	40	.7943	.6063	-.45	27	@648
7	-.51	.11	2	-1.29	.37	.78	.38	2.02	68	.0472	.1377	-.27	27	@648
7	-.51	.11	3	-1.59	.34	1.08	.36	3.04	113	.0029	.0027	.55	27	@648
7	-.51	.11	5	-1.20	.48	.69	.49	1.40	48	.1688	.1483	-.04	27	@648
1	2.66	.62	2	.97	.38	1.68	.73	2.32	54	.0243	.1514	1.95	28	@649
1	2.66	.62	3	1.68	.33	.98	.70	1.40	54	.1672	.2063	-.18	28	@649
1	2.66	.62	5	1.29	.41	1.37	.74	1.85	52	.0706	.0836	.41	28	@649
1	2.66	.62	7	1.84	.13	.82	.63	1.30	37	.2028	.2366	-.34	28	@649
2	.97	.38	1	2.66	.62	-1.68	.73	-2.32	54	.0243	.1514	-1.95	28	@649
2	.97	.38	3	1.68	.33	-.70	.50	-1.41	94	.1629	.4143	-1.95	28	@649
2	.97	.38	5	1.29	.41	-.32	.56	-.57	70	.5708	.7427	-.64	28	@649
2	.97	.38	7	1.84	.13	-.86	.40	-2.16	70	.0343	.2972	-1.46	28	@649
3	1.68	.33	1	2.66	.62	-.98	.70	-1.40	54	.1672	.2063	.18	28	@649
3	1.68	.33	2	.97	.38	.70	.50	1.41	94	.1629	.4143	1.95	28	@649
3	1.68	.33	5	1.29	.41	.39	.52	.74	78	.4591	.9167	.40	28	@649
3	1.68	.33	7	1.84	.13	-.16	.35	-.46	120	.6479	.9837	-.40	28	@649
5	1.29	.41	1	2.66	.62	-1.37	.74	-1.85	52	.0706	.0836	-.41	28	@649
5	1.29	.41	2	.97	.38	.32	.56	.57	70	.5708	.7427	.64	28	@649
5	1.29	.41	3	1.68	.33	-.39	.52	-.74	78	.4591	.9167	-.40	28	@649
5	1.29	.41	7	1.84	.13	-.55	.43	-1.29	54	.2034	.2011	-.52	28	@649
7	1.84	.13	1	2.66	.62	-.82	.63	-1.30	37	.2028	.2366	.34	28	@649
7	1.84	.13	2	.97	.38	.86	.40	2.16	70	.0343	.2972	1.46	28	@649
7	1.84	.13	3	1.68	.33	.16	.35	.46	120	.6479	.9837	.40	28	@649
7	1.84	.13	5	1.29	.41	.55	.43	1.29	54	.2034	.2011	.52	28	@649
1	-.09	.41	2	-.34	.33	.26	.53	.49	59	.6289	.7720	-.69	29	@655
1	-.09	.41	3	-.75	.28	.67	.50	1.34	62	.1856	.3947	2.20	29	@655
1	-.09	.41	5	.36	.39	-.45	.56	-.80	57	.4272	.9927	.41	29	@655
1	-.09	.41	7	-.66	.12	.57	.43	1.34	42	.1860	.4858	1.32	29	@655
2	-.34	.33	1	-.09	.41	-.26	.53	-.49	59	.6289	.7720	.69	29	@655
2	-.34	.33	3	-.75	.28	.41	.44	.94	94	.3492	.5487	.20	29	@655
2	-.34	.33	5	.36	.39	-.71	.51	-1.39	69	.1702	.5659	1.10	29	@655
2	-.34	.33	7	-.66	.12	.32	.35	.90	72	.3710	.3495	.34	29	@655
3	-.75	.28	1	-.09	.41	-.67	.50	-1.34	62	.1856	.3947	-2.20	29	@655
3	-.75	.28	2	-.34	.33	-.41	.44	-.94	94	.3492	.5487	-.20	29	@655
3	-.75	.28	5	.36	.39	-1.12	.48	-2.33	75	.0226	.0999	-.84	29	@655
3	-.75	.28	7	-.66	.12	-.09	.31	-.31	124	.7604	.7382	.01	29	@655
5	.36	.39	1	-.09	.41	.45	.56	.80	57	.4272	.9927	-.41	29	@655
5	.36	.39	2	-.34	.33	.71	.51	1.39	69	.1702	.5659	-1.10	29	@655
5	.36	.39	3	-.75	.28	1.12	.48	2.33	75	.0226	.0999	.84	29	@655
5	.36	.39	7	-.66	.12	1.02	.41	2.53	53	.0145	.0132	.71	29	@655
7	-.66	.12	1	-.09	.41	-.57	.43	-1.34	42	.1860	.4858	-1.32	29	@655
7	-.66	.12	2	-.34	.33	-.32	.35	-.90	72	.3710	.3495	-.34	29	@655
7	-.66	.12	3	-.75	.28	.09	.31	.31	124	.7604	.7382	-.01	29	@655
7	-.66	.12	5	.36	.39	-1.02	.41	-2.53	53	.0145	.0132	-.71	29	@655
1	.71	.40	2	.57	.35	.14	.53	.27	61	.7915	.4624	.15	30	@672
1	.71	.40	3	-.08	.27	.79	.48	1.65	61	.1039	.1081	.46	30	@672
1	.71	.40	5	-.26	.40	.97	.57	1.71	57	.0931	.1160	.64	30	@672
1	.71	.40	7	.44	.11	.28	.41	.67	41	.5079	.5633	.15	30	@672
2	.57	.35	1	.71	.40	-.14	.53	-.27	61	.7915	.4624	-.15	30	@672
2	.57	.35	3	-.08	.27	.65	.44	1.47	90	.1448	.2555	.16	30	@672
2	.57	.35	5	-.26	.40	.83	.54	1.54	69	.1272	.1045	.54	30	@672
2	.57	.35	7	.44	.11	.13	.37	.36	67	.7164	.4238	.03	30	@672
3	-.08	.27	1	.71	.40	-.79	.48	-1.65	61	.1039	.1081	-.46	30	@672
3	-.08	.27	2	.57	.35	-.65	.44	-1.47	90	.1448	.2555	-.16	30	@672
3	-.08	.27	5	-.26	.40	.18	.48	.36	72	.7163	.8969	.06	30	@672
3	-.08	.27	7	.44	.11	-.52	.29	-1.79	123	.0757	.0499	-.57	30	@672
5	-.26	.40	1	.71	.40	-.97	.57	-1.71	57	.0931	.1160	-.64	30	@672
5	-.26	.40	2	.57	.35	-.83	.54	-1.54	69	.1272	.1045	-.54	30	@672
5	-.26	.40	3	-.08	.27	-.18	.48	-.36	72	.7163	.8969	-.06	30	@672
5	-.26	.40	7	.44	.11	-.69	.42	-1.66	51	.1034	.1073	-.03	30	@672
7	.44	.11	1	.71	.40	-.28	.41	-.67	41	.5079	.5633	-.15	30	@672
7	.44	.11	2	.57	.35	-.13	.37	-.36	67	.7164	.4238	-.03	30	@672
7	.44	.11	3	-.08	.27	.52	.29	1.79	123	.0757	.0499	.57	30	@672
7	.44	.11	5	-.26	.40	.69	.42	1.66	51	.1034	.1073	.03	30	@672

Size of Mantel-Haenszel slice: MHSLICE = .010 logits

Category 1 = Asian, Category 2 = Black, Non-Hispanic, Category 3 = Hispanic, Category 4 = American Indian or Alaskan Native (omitted due to a lack of cases, Category 5 = Multiracial, Category 6 = Pacific Islander (omitted due to a lack of cases), Category 7 = White, Non-Hispanic

APPENDIX J

DIF CONTRASTS FOR DRAFT 12th GRADE TEST

Appendix J

DIF Contrasts for Draft 12th Grade Test

TABLE 30.1 12th_raw_ draft_35_items_distractor_no_dif_out.txt Mar 23 12:46 2013
INPUT: 508 PERSON 35 ITEM MEASURED: 508 PERSON 35 ITEM 70 CATS WINSTEPS 3.69.1.14

DIF class specification is: DIF=@SEX (Gender)

PERSON CLASS	DIF MEASURE	DIF S.E.	PERSON CLASS	DIF MEASURE	DIF S.E.	DIF CONTRAST	JOINT S.E.	Welch t	Welch d.f.	Welch Prob.	Mantel Prob.	Hanzl Size	ITEM Number	Name
1	-.50	.14	2	-.25	.13	-.25	.19	-1.29	500	.1993	.1115	-.32	1	@328
2	-.25	.13	1	-.50	.14	.25	.19	1.29	500	.1993	.1115	.32	1	@328
1	-.04	.14	2	.09	.13	-.13	.19	-.66	501	.5115	.3745	-.13	2	@331
2	.09	.13	1	-.04	.14	.13	.19	.66	501	.5115	.3745	.13	2	@331
1	.20	.14	2	.11	.13	.09	.19	.48	501	.6344	.9226	-.06	3	@336
2	.11	.13	1	.20	.14	-.09	.19	-.48	501	.6344	.9226	.06	3	@336
1	-1.67	.17	2	-1.59	.15	-.09	.23	-.39	497	.6988	.8645	.16	4	@337
2	-1.59	.15	1	-1.67	.17	.09	.23	.39	497	.6988	.8645	-.16	4	@337
1	-.08	.14	2	-.26	.13	.18	.19	.96	501	.3373	.3142	.20	5	@340
2	-.26	.13	1	-.08	.14	-.18	.19	-.96	501	.3373	.3142	-.20	5	@340
1	.14	.14	2	.29	.14	-.15	.20	-.76	502	.4462	.5465	-.09	6	@341
2	.29	.14	1	.14	.14	.15	.20	.76	502	.4462	.5465	.09	6	@341
1	.46	.14	2	.11	.13	.36	.20	1.82	500	.0699	.1027	.41	7	@344
2	.11	.13	1	.46	.14	-.36	.20	-1.82	500	.0699	.1027	-.41	7	@344
1	-1.16	.15	2	-1.02	.14	-.13	.20	-.66	498	.5118	.9744	.05	8	@346
2	-1.02	.14	1	-1.16	.15	.13	.20	.66	498	.5118	.9744	-.05	8	@346
1	-.42	.14	2	-.32	.13	-.10	.19	-.51	500	.6078	.6515	-.07	9	@347
2	-.32	.13	1	-.42	.14	.10	.19	.51	500	.6078	.6515	.07	9	@347
1	-.28	.14	2	.05	.13	-.33	.19	-1.69	501	.0910	.1654	-.28	10	@360
2	.05	.13	1	-.28	.14	.33	.19	1.69	501	.0910	.1654	.28	10	@360
1	.38	.14	2	.38	.14	.00	.20	.00	502	1.000	.6183	.00	11	@364
2	.38	.14	1	.38	.14	.00	.20	.00	502	1.000	.6183	.00	11	@364
1	.34	.14	2	-.09	.13	.43	.19	2.20	500	.0280	.0858	.23	12	@366
2	-.09	.13	1	.34	.14	-.43	.19	-2.20	500	.0280	.0858	-.23	12	@366
1	.30	.14	2	.21	.14	.08	.20	.43	501	.6662	.9802	.00	13	@367
2	.21	.14	1	.30	.14	-.08	.20	-.43	501	.6662	.9802	.00	13	@367
1	.26	.14	2	.21	.14	.04	.20	.23	501	.8213	.8833	.04	14	@369
2	.21	.14	1	.26	.14	-.04	.20	-.23	501	.8213	.8833	-.04	14	@369
1	-.56	.14	2	-.56	.13	.00	.19	.00	500	1.000	.6177	.13	15	@370
2	-.56	.13	1	-.56	.14	.00	.19	.00	500	1.000	.6177	-.13	15	@370
1	-.30	.14	2	-.49	.13	.19	.19	1.00	501	.3156	.5537	.06	16	@375
2	-.49	.13	1	-.30	.14	-.19	.19	-1.00	501	.3156	.5537	-.06	16	@375
1	-.26	.14	2	-.09	.13	-.17	.19	-.87	501	.3874	.3560	-.29	17	@378
2	-.09	.13	1	-.26	.14	.17	.19	.87	501	.3874	.3560	.29	17	@378
1	-.06	.14	2	-.19	.13	.14	.19	.70	501	.4839	.3317	.21	18	@382
2	-.19	.13	1	-.06	.14	-.14	.19	-.70	501	.4839	.3317	-.21	18	@382
1	.18	.14	2	.03	.13	.14	.19	.74	501	.4584	.7064	-.03	19	@384
2	.03	.13	1	.18	.14	-.14	.19	-.74	501	.4584	.7064	.03	19	@384
1	-.34	.14	2	-.45	.13	.12	.19	.62	500	.5366	.8036	.04	20	@386
2	-.45	.13	1	-.34	.14	-.12	.19	-.62	500	.5366	.8036	-.04	20	@386
1	-.24	.14	2	-.30	.13	.06	.19	.32	501	.7477	.3986	.09	21	@392
2	-.30	.13	1	-.24	.14	-.06	.19	-.32	501	.7477	.3986	-.09	21	@392
1	-.20	.14	2	-.28	.13	.08	.19	.44	501	.6626	.6491	.12	22	@395
2	-.28	.13	1	-.20	.14	-.08	.19	-.44	501	.6626	.6491	-.12	22	@395
1	.20	.14	2	.18	.13	.02	.20	.11	501	.9162	.8097	.01	23	@397
2	.18	.13	1	.20	.14	-.02	.20	-.11	501	.9162	.8097	-.01	23	@397
1	.12	.14	2	.42	.14	-.30	.20	-1.52	502	.1279	.1176	-.35	24	@408
2	.42	.14	1	.12	.14	.30	.20	1.52	502	.1279	.1176	.35	24	@408
1	1.50	.17	2	1.32	.16	.18	.24	.74	501	.4592	.6471	.00	25	@412
2	1.32	.16	1	1.50	.17	-.18	.24	-.74	501	.4592	.6471	.00	25	@412
1	-.38	.14	2	-.16	.13	-.22	.19	-1.12	500	.2644	.4523	-.16	26	@420
2	-.16	.13	1	-.38	.14	.22	.19	1.12	500	.2644	.4523	.16	26	@420
1	.12	.14	2	.27	.14	-.15	.20	-.77	502	.4414	.7208	-.19	27	@422
2	.27	.14	1	.12	.14	.15	.20	.77	502	.4414	.7208	.19	27	@422
1	.32	.14	2	.66	.14	-.34	.20	-1.67	503	.0959	.0507	-.47	28	@426
2	.66	.14	1	.32	.14	.34	.20	1.67	503	.0959	.0507	.47	28	@426
1	.38	.14	2	.23	.14	.15	.20	.75	501	.4533	.4945	.05	29	@431
2	.23	.14	1	.38	.14	-.15	.20	-.75	501	.4533	.4945	-.05	29	@431
1	.79	.15	2	1.00	.15	-.21	.21	-1.01	504	.3141	.0530	-.37	30	@442
2	1.00	.15	1	.79	.15	.21	.21	1.01	504	.3141	.0530	.37	30	@442

1	1.47	.17	2	1.17	.16	.30	.23	1.29	500	.1964	.2668	.07	31 @443
2	1.17	.16	1	1.47	.17	-.30	.23	-1.29	500	.1964	.2668	-.07	31 @443
1	.42	.14	2	.48	.14	-.06	.20	-.28	502	.7816	.7197	.02	32 @446
2	.48	.14	1	.42	.14	.06	.20	.28	502	.7816	.7197	-.02	32 @446
1	.81	.15	2	1.22	.16	-.41	.22	-1.87	505	.0615	.0235	-.50	33 @448
2	1.22	.16	1	.81	.15	.41	.22	1.87	505	.0615	.0235	.50	33 @448
1	-1.53	.16	2	-1.79	.15	.26	.23	1.14	501	.2531	.2028	-.01	34 @455
2	-1.79	.15	1	-1.53	.16	-.26	.23	-1.14	501	.2531	.2028	.01	34 @455
1	-.34	.14	2	-.58	.13	.24	.19	1.25	501	.2123	.0681	.44	35 @457
2	-.58	.13	1	-.34	.14	-.24	.19	-1.25	501	.2123	.0681	-.44	35 @457

Size of Mantel-Haenszel slice: MHSLICE = .010 logits

Category 1 - Female, Category 2 = Male

TABLE 30.1 12th_raw_ draft_35_items_distractor_no_dif_out.txt Mar 23 12:46 2013
INPUT: 508 PERSON 35 ITEM MEASURED: 508 PERSON 35 ITEM 70 CATS WINSTEPS 3.69.1.14

DIF class specification is: DIF=@RACE (Race/Ethnicity)

PERSON CLASS	DIF MEASURE	DIF S.E.	PERSON CLASS	DIF MEASURE	DIF S.E.	DIF CONTRAST	JOINT S.E.	t	Welch d.f.	Welch Prob.	MantelHanzl Prob.	ITEM Size	ITEM Number	Name
1	-.97	.43	2	-.08	.27	-.88	.51	-1.74	60	.0873	.4679	-.16	1	@328
1	-.97	.43	3	-1.19	.35	.22	.55	.40	58	.6876	.6841	-.69	1	@328
1	-.97	.43	5	-.08	.39	-.88	.58	-1.52	55	.1343	.7986	.12	1	@328
1	-.97	.43	7	-.29	.12	-.67	.44	-1.52	41	.1372	.1048	-.66	1	@328
2	-.08	.27	1	-.97	.43	.88	.51	1.74	60	.0873	.4679	.16	1	@328
2	-.08	.27	3	-1.19	.35	1.11	.44	2.51	89	.0140	.0142	.88	1	@328
2	-.08	.27	5	-.08	.39	.00	.48	.00	70	.9981	.9355	.13	1	@328
2	-.08	.27	7	-.29	.12	.21	.30	.71	132	.4811	.3395	.18	1	@328
3	-1.19	.35	1	-.97	.43	-.22	.55	-.40	58	.6876	.6841	.69	1	@328
3	-1.19	.35	2	-.08	.27	-1.11	.44	-2.51	89	.0140	.0142	-.88	1	@328
3	-1.19	.35	5	-.08	.39	-1.11	.52	-2.11	65	.0387	.0924	.79	1	@328
3	-1.19	.35	7	-.29	.12	-.90	.37	-2.45	67	.0170	.0362	-.48	1	@328
5	-.08	.39	1	-.97	.43	.88	.58	1.52	55	.1343	.7986	-.12	1	@328
5	-.08	.39	2	-.08	.27	.00	.48	.00	70	.9981	.9355	-.13	1	@328
5	-.08	.39	3	-1.19	.35	1.11	.52	2.11	65	.0387	.0924	-.79	1	@328
5	-.08	.39	7	-.29	.12	.21	.41	.51	50	.6097	.4808	-.46	1	@328
7	-.29	.12	1	-.97	.43	.67	.44	1.52	41	.1372	.1048	.66	1	@328
7	-.29	.12	2	-.08	.27	-.21	.30	-.71	132	.4811	.3395	-.18	1	@328
7	-.29	.12	3	-1.19	.35	.90	.37	2.45	67	.0170	.0362	.48	1	@328
7	-.29	.12	5	-.08	.39	-.21	.41	-.51	50	.6097	.4808	.46	1	@328
1	.09	.42	2	.31	.29	-.22	.51	-.43	62	.6698	.2006	.24	2	@331
1	.09	.42	3	-.73	.34	.82	.54	1.52	58	.1352	.8593	.59	2	@331
1	.09	.42	5	-.24	.39	.33	.57	.57	55	.5710	.7561	.00	2	@331
1	.09	.42	7	.09	.12	.00	.44	.01	42	.9920	.5795	-.15	2	@331
2	.31	.29	1	.09	.42	.22	.51	.43	62	.6698	.2006	-.24	2	@331
2	.31	.29	3	-.73	.34	1.04	.44	2.34	92	.0215	.0258	1.18	2	@331
2	.31	.29	5	-.24	.39	.55	.49	1.13	73	.2630	.1652	.69	2	@331
2	.31	.29	7	.09	.12	.22	.31	.72	127	.4745	.2195	.39	2	@331
3	-.73	.34	1	.09	.42	-.82	.54	-1.52	58	.1352	.8593	-.59	2	@331
3	-.73	.34	2	.31	.29	-1.04	.44	-2.34	92	.0215	.0258	-1.18	2	@331
3	-.73	.34	5	-.24	.39	-.49	.51	-.95	65	.3432	.3790	-.47	2	@331
3	-.73	.34	7	.09	.12	-.81	.36	-2.29	68	.0253	.1600	-.76	2	@331
5	-.24	.39	1	.09	.42	-.33	.57	-.57	55	.5710	.7561	.00	2	@331
5	-.24	.39	2	.31	.29	-.55	.49	-1.13	73	.2630	.1652	-.69	2	@331
5	-.24	.39	3	-.73	.34	.49	.51	.95	65	.3432	.3790	.47	2	@331
5	-.24	.39	7	.09	.12	-.32	.41	-.80	50	.4301	.6776	.18	2	@331
7	.09	.12	1	.09	.42	.00	.44	-.01	42	.9920	.5795	.15	2	@331
7	.09	.12	2	.31	.29	-.22	.31	-.72	127	.4745	.2195	-.39	2	@331
7	.09	.12	3	-.73	.34	.81	.36	2.29	68	.0253	.1600	.76	2	@331
7	.09	.12	5	-.24	.39	.32	.41	.80	50	.4301	.6776	-.18	2	@331
1	.27	.43	2	-.51	.26	.79	.50	1.56	58	.1234	.9667	.28	3	@336
1	.27	.43	3	.08	.35	.19	.55	.35	58	.7286	.6285	.00	3	@336
1	.27	.43	5	-.08	.39	.36	.58	.61	55	.5440	.7865	+.	3	@336
1	.27	.43	7	.29	.12	-.02	.44	-.04	41	.9648	.7781	.07	3	@336
2	-.51	.26	1	.27	.43	-.79	.50	-1.56	58	.1234	.9667	-.28	3	@336
2	-.51	.26	3	.08	.35	-.59	.44	-1.36	88	.1788	.0462	-.06	3	@336
2	-.51	.26	5	-.08	.39	-.43	.47	-.91	69	.3661	.3674	.30	3	@336
2	-.51	.26	7	.29	.12	-.81	.29	-2.80	135	.0058	.0354	-.35	3	@336
3	.08	.35	1	.27	.43	-.19	.55	-.35	58	.7286	.6285	.00	3	@336
3	.08	.35	2	-.51	.26	.59	.44	1.36	88	.1788	.0462	.06	3	@336
3	.08	.35	5	-.08	.39	.16	.53	.31	65	.7588	.8037	-.41	3	@336
3	.08	.35	7	.29	.12	-.21	.37	-.58	66	.5666	.8720	-.61	3	@336
5	-.08	.39	1	.27	.43	-.36	.58	-.61	55	.5440	.7865	-.	3	@336
5	-.08	.39	2	-.51	.26	.43	.47	.91	69	.3661	.3674	-.30	3	@336
5	-.08	.39	3	.08	.35	-.16	.53	-.31	65	.7588	.8037	.41	3	@336
5	-.08	.39	7	.29	.12	-.38	.41	-.91	50	.3656	.6135	-.77	3	@336
7	.29	.12	1	.27	.43	.02	.44	.04	41	.9648	.7781	-.07	3	@336
7	.29	.12	2	-.51	.26	.81	.29	2.80	135	.0058	.0354	.35	3	@336
7	.29	.12	3	.08	.35	.21	.37	.58	66	.5666	.8720	.61	3	@336
7	.29	.12	5	-.08	.39	.38	.41	.91	50	.3656	.6135	.77	3	@336
1	-1.79	.49	2	-2.12	.30	.33	.57	.58	58	.5644	.5653	.48	4	@337
1	-1.79	.49	3	-1.31	.35	-.48	.60	-.79	56	.4319	.6988	.00	4	@337
1	-1.79	.49	5	-1.45	.41	-.34	.63	-.54	54	.5942	.3133	1.39	4	@337
1	-1.79	.49	7	-1.56	.14	-.23	.51	-.46	42	.6496	.7080	-.08	4	@337
2	-2.12	.30	1	-1.79	.49	-.33	.57	-.58	58	.5644	.5653	-.48	4	@337
2	-2.12	.30	3	-1.31	.35	-.81	.46	-1.75	92	.0833	.0937	.04	4	@337

2	-2.12	.30	5	-1.45	.41	-.67	.50	-1.33	72	.1868	.2330	-.55	4	@337	
2	-2.12	.30	7	-1.56	.14	-.56	.33	-1.71	138	.0889	.0167	-.28	4	@337	
3	-1.31	.35	1	-1.79	.49	.48	.60	.79	56	.4319	.6988	.00	4	@337	
3	-1.31	.35	2	-2.12	.30	.81	.46	1.75	92	.0833	.0937	-.04	4	@337	
3	-1.31	.35	5	-1.45	.41	.14	.54	.25	65	.8011	.5660	.42	4	@337	
3	-1.31	.35	7	-1.56	.14	.24	.38	.64	72	.5213	.9624	-.08	4	@337	
5	-1.45	.41	1	-1.79	.49	.34	.63	.54	54	.5942	.3133	-1.39	4	@337	
5	-1.45	.41	2	-2.12	.30	.67	.50	1.33	72	.1868	.2330	.55	4	@337	
5	-1.45	.41	3	-1.31	.35	-.14	.54	-.25	65	.8011	.5660	-.42	4	@337	
5	-1.45	.41	7	-1.56	.14	.11	.43	.25	53	.8023	.8301	-.08	4	@337	
7	-1.56	.14	1	-1.79	.49	.23	.51	.46	42	.6496	.7080	.08	4	@337	
7	-1.56	.14	2	-2.12	.30	.56	.33	1.71	138	.0889	.0167	.28	4	@337	
7	-1.56	.14	3	-1.31	.35	-.24	.38	-.64	72	.5213	.9624	.08	4	@337	
7	-1.56	.14	5	-1.45	.41	-.11	.43	-.25	53	.8023	.8301	.08	4	@337	
1	-.09	.42	2	-.44	.26	.36	.50	.72	59	.4725	.9385	.80	5	@340	
1	-.09	.42	3	-.04	.35	-.04	.54	-.08	59	.9353	.8191	.19	5	@340	
1	-.09	.42	5	-.39	.39	.30	.57	.53	55	.5998	.6740	-.32	5	@340	
1	-.09	.42	7	-.13	.12	.04	.43	.10	42	.9187	.7658	.19	5	@340	
2	-.44	.26	1	-.09	.42	-.36	.50	-.72	59	.4725	.9385	-.80	5	@340	
2	-.44	.26	3	-.04	.35	-.40	.43	-.93	88	.3572	.3730	-.57	5	@340	
2	-.44	.26	5	-.39	.39	-.06	.47	-.12	70	.9027	.7106	-.22	5	@340	
2	-.44	.26	7	-.13	.12	-.31	.29	-1.09	134	.2794	.3176	-.11	5	@340	
3	-.04	.35	1	-.09	.42	.04	.54	.08	59	.9353	.8191	-.19	5	@340	
3	-.04	.35	2	-.44	.26	.40	.43	.93	88	.3572	.3730	.57	5	@340	
3	-.04	.35	5	-.39	.39	.34	.52	.67	65	.5077	.4149	.14	5	@340	
3	-.04	.35	7	-.13	.12	.09	.36	.24	67	.8079	.9658	.21	5	@340	
5	-.39	.39	1	-.09	.42	-.30	.57	-.53	55	.5998	.6740	.32	5	@340	
5	-.39	.39	2	-.44	.26	.06	.47	.12	70	.9027	.7106	.22	5	@340	
5	-.39	.39	3	-.04	.35	-.34	.52	-.67	65	.5077	.4149	-.14	5	@340	
5	-.39	.39	7	-.13	.12	-.26	.40	-.63	50	.5284	.4251	-.36	5	@340	
7	-.13	.12	1	-.09	.42	-.04	.43	-.10	42	.9187	.7658	-.19	5	@340	
7	-.13	.12	2	-.44	.26	.31	.29	1.09	134	.2794	.3176	.11	5	@340	
7	-.13	.12	3	-.04	.35	-.09	.36	-.24	67	.8079	.9658	-.21	5	@340	
7	-.13	.12	5	-.39	.39	.26	.40	.63	50	.5284	.4251	.36	5	@340	
1	.27	.43	2	-.08	.27	.36	.51	.70	60	.4856	.4852	.82	6	@341	
1	.27	.43	3	.22	.36	.06	.56	.10	59	.9196	.2094	-.	6	@341	
1	.27	.43	5	.08	.40	.20	.59	.34	55	.7373	.7974	.69	6	@341	
1	.27	.43	7	.28	.12	-.01	.44	-.01	41	.9894	.8510	.61	6	@341	
2	-.08	.27	1	.27	.43	-.36	.51	-.70	60	.4856	.4852	-.82	6	@341	
2	-.08	.27	3	.22	.36	-.30	.45	-.67	88	.5053	.9087	-.15	6	@341	
2	-.08	.27	5	.08	.40	-.16	.48	-.33	70	.7440	.7857	.51	6	@341	
2	-.08	.27	7	.28	.12	-.36	.30	-1.22	132	.2244	.2480	-.59	6	@341	
3	.22	.36	1	.27	.43	-.06	.56	-.10	59	.9196	.2094	+.	6	@341	
3	.22	.36	2	-.08	.27	.30	.45	.67	88	.5053	.9087	.15	6	@341	
3	.22	.36	5	.08	.40	.14	.54	.26	65	.7929	.4547	-.41	6	@341	
3	.22	.36	7	.28	.12	-.06	.38	-.17	66	.8683	.8810	-.44	6	@341	
5	.08	.40	1	.27	.43	-.20	.59	-.34	55	.7373	.7974	-.69	6	@341	
5	.08	.40	2	-.08	.27	.16	.48	.33	70	.7440	.7857	-.51	6	@341	
5	.08	.40	3	.22	.36	-.14	.54	-.26	65	.7929	.4547	.41	6	@341	
5	.08	.40	7	.28	.12	-.20	.42	-.49	49	.6276	.4819	-.51	6	@341	
7	.28	.12	1	.27	.43	.01	.44	.01	41	.9894	.8510	-.61	6	@341	
7	.28	.12	2	-.08	.27	.36	.30	1.22	132	.2244	.2480	.59	6	@341	
7	.28	.12	3	.22	.36	.06	.38	.17	66	.8683	.8810	.44	6	@341	
7	.28	.12	5	.08	.40	.20	.42	.49	49	.6276	.4819	.51	6	@341	
1	.46	.44	2	.07	.28	.39	.52	.76	60	.4531	.7687	.09	7	@344	
1	.46	.44	3	.33	.36	.13	.57	.22	59	.8249	.2629	+.	7	@344	
1	.46	.44	5	.59	.43	-.13	.62	-.22	55	.8300	.2447	-.	7	@344	
1	.46	.44	7	.27	.12	.19	.45	.41	41	.6827	.6165	-.21	7	@344	
2	.07	.28	1	.46	.44	-.39	.52	-.76	60	.4531	.7687	-.09	7	@344	
2	.07	.28	3	.33	.36	-.27	.46	-.58	88	.5639	.6747	.57	7	@344	
2	.07	.28	5	.59	.43	-.52	.52	-1.02	68	.3122	.5691	.46	7	@344	
2	.07	.28	7	.27	.12	-.21	.30	-.68	130	.4985	.8066	-.16	7	@344	
3	.33	.36	1	.46	.44	-.13	.57	-.22	59	.8249	.2629	-.	7	@344	
3	.33	.36	2	.07	.28	.27	.46	.58	88	.5639	.6747	-.57	7	@344	
3	.33	.36	5	.59	.43	-.26	.57	-.46	65	.6483	.7040	.61	7	@344	
3	.33	.36	7	.27	.12	.06	.38	.16	65	.8755	.8449	-.54	7	@344	
5	.59	.43	1	.46	.44	.13	.62	.22	55	.8300	.2447	+.	7	@344	
5	.59	.43	2	.07	.28	.52	.52	1.02	68	.3122	.5691	-.46	7	@344	
5	.59	.43	3	.33	.36	.26	.57	.46	65	.6483	.7040	-.61	7	@344	
5	.59	.43	7	.27	.12	.32	.45	.71	48	.4804	.1149	.04	7	@344	
7	.27	.12	1	.46	.44	-.19	.45	-.41	41	.6827	.6165	.21	7	@344	
7	.27	.12	2	.07	.28	.21	.30	.68	130	.4985	.8066	.16	7	@344	
7	.27	.12	3	.33	.36	-.06	.38	-.16	65	.8755	.8449	.54	7	@344	
7	.27	.12	5	.59	.43	-.32	.45	-.71	48	.4804	.1149	-.04	7	@344	
1	-1.16	.44	2	-.58	.26	-.57	.51	-1.12	58	.2657	.8841	-.04	8	@346	
1	-1.16	.44	3	-.61	.34	-.54	.55	-.98	57	.3309	.5742	.00	8	@346	

1	-1.16	.44	5	-1.13	.39	-.02	.59	-.04	55	.9672	.2585	.00	8	@346
1	-1.16	.44	7	-1.27	.13	.11	.46	.24	43	.8112	.8158	.22	8	@346
2	-.58	.26	1	-1.16	.44	.57	.51	1.12	58	.2657	.8841	.04	8	@346
2	-.58	.26	3	-.61	.34	.03	.43	.08	89	.9392	.9475	.14	8	@346
2	-.58	.26	5	-1.13	.39	.55	.47	1.16	69	.2482	.5254	.46	8	@346
2	-.58	.26	7	-1.27	.13	.68	.29	2.33	143	.0211	.2732	.32	8	@346
3	-.61	.34	1	-1.16	.44	.54	.55	.98	57	.3309	.5742	.00	8	@346
3	-.61	.34	2	-.58	.26	-.03	.43	-.08	89	.9392	.9475	-.14	8	@346
3	-.61	.34	5	-1.13	.39	.52	.52	1.00	65	.3203	.3155	.27	8	@346
3	-.61	.34	7	-1.27	.13	.65	.36	1.81	72	.0748	.2198	.27	8	@346
5	-1.13	.39	1	-1.16	.44	.02	.59	.04	55	.9672	.2585	.00	8	@346
5	-1.13	.39	2	-.58	.26	-.55	.47	-1.16	69	.2482	.5254	-.46	8	@346
5	-1.13	.39	3	-.61	.34	-.52	.52	-1.00	65	.3203	.3155	-.27	8	@346
5	-1.13	.39	7	-1.27	.13	.13	.41	.32	52	.7468	.9379	.37	8	@346
7	-1.27	.13	1	-1.16	.44	-.11	.46	-.24	43	.8112	.8158	-.22	8	@346
7	-1.27	.13	2	-.58	.26	-.68	.29	-2.33	143	.0211	.2732	-.32	8	@346
7	-1.27	.13	3	-.61	.34	-.65	.36	-1.81	72	.0748	.2198	-.27	8	@346
7	-1.27	.13	5	-1.13	.39	-.13	.41	-.32	52	.7468	.9379	-.37	8	@346
1	-.61	.42	2	.07	.28	-.68	.50	-1.35	61	.1832	.1549	-.69	9	@347
1	-.61	.42	3	-.27	.34	-.33	.54	-.62	58	.5378	1.000	.00	9	@347
1	-.61	.42	5	-.83	.39	.22	.57	.39	55	.6994	.1746	1.39	9	@347
1	-.61	.42	7	-.39	.12	-.22	.44	-.50	42	.6181	.4229	-.15	9	@347
2	.07	.28	1	-.61	.42	.68	.50	1.35	61	.1832	.1549	.69	9	@347
2	.07	.28	3	-.27	.34	.34	.44	.78	91	.4356	.2945	-.26	9	@347
2	.07	.28	5	-.83	.39	.90	.48	1.89	72	.0628	.0759	1.10	9	@347
2	.07	.28	7	-.39	.12	.46	.30	1.52	131	.1313	.1261	.57	9	@347
3	-.27	.34	1	-.61	.42	.33	.54	.62	58	.5378	1.000	.00	9	@347
3	-.27	.34	2	.07	.28	-.34	.44	-.78	91	.4356	.2945	.26	9	@347
3	-.27	.34	5	-.83	.39	.56	.51	1.08	65	.2833	.5764	1.39	9	@347
3	-.27	.34	7	-.39	.12	.12	.36	.32	68	.7486	.6566	.64	9	@347
5	-.83	.39	1	-.61	.42	-.22	.57	-.39	55	.6994	.1746	-1.39	9	@347
5	-.83	.39	2	.07	.28	-.90	.48	-1.89	72	.0628	.0759	-1.10	9	@347
5	-.83	.39	3	-.27	.34	-.56	.51	-1.08	65	.2833	.5764	-1.39	9	@347
5	-.83	.39	7	-.39	.12	-.44	.40	-1.09	50	.2803	.2051	-.72	9	@347
7	-.39	.12	1	-.61	.42	.22	.44	.50	42	.6181	.4229	.15	9	@347
7	-.39	.12	2	.07	.28	-.46	.30	-1.52	131	.1313	.1261	-.57	9	@347
7	-.39	.12	3	-.27	.34	-.12	.36	-.32	68	.7486	.6566	-.64	9	@347
7	-.39	.12	5	-.83	.39	.44	.40	1.09	50	.2803	.2051	.72	9	@347
1	-.10	.42	2	.23	.29	-.33	.51	-.65	62	.5163	.7010	-.01	10	@360
1	-.10	.42	3	.20	.36	-.31	.55	-.56	59	.5782	.5666	1.07	10	@360
1	-.10	.42	5	-.08	.39	-.02	.58	-.04	55	.9722	.9783	.82	10	@360
1	-.10	.42	7	-.20	.12	.10	.43	.22	42	.8276	.9106	.48	10	@360
2	.23	.29	1	-.10	.42	.33	.51	.65	62	.5163	.7010	.01	10	@360
2	.23	.29	3	.20	.36	.02	.46	.05	90	.9587	.4265	1.16	10	@360
2	.23	.29	5	-.08	.39	.31	.49	.64	72	.5250	.8929	.79	10	@360
2	.23	.29	7	-.20	.12	.43	.31	1.38	128	.1693	.8229	.14	10	@360
3	.20	.36	1	-.10	.42	.31	.55	.56	59	.5782	.5666	-1.07	10	@360
3	.20	.36	2	.23	.29	-.02	.46	-.05	90	.9587	.4265	-1.16	10	@360
3	.20	.36	5	-.08	.39	.29	.53	.54	66	.5904	.5029	.00	10	@360
3	.20	.36	7	-.20	.12	.40	.37	1.08	66	.2861	.6276	-.73	10	@360
5	-.08	.39	1	-.10	.42	.02	.58	.04	55	.9722	.9783	-.82	10	@360
5	-.08	.39	2	.23	.29	-.31	.49	-.64	72	.5250	.8929	-.79	10	@360
5	-.08	.39	3	.20	.36	-.29	.53	-.54	66	.5904	.5029	.00	10	@360
5	-.08	.39	7	-.20	.12	.12	.41	.28	50	.7799	.6932	-.09	10	@360
7	-.20	.12	1	-.10	.42	-.10	.43	-.22	42	.8276	.9106	-.48	10	@360
7	-.20	.12	2	.23	.29	-.43	.31	-1.38	128	.1693	.8229	-.14	10	@360
7	-.20	.12	3	.20	.36	-.40	.37	-1.08	66	.2861	.6276	.73	10	@360
7	-.20	.12	5	-.08	.39	-.12	.41	-.28	50	.7799	.6932	.09	10	@360
1	1.62	.52	2	.77	.32	.85	.61	1.38	58	.1723	.2085	1.39	11	@364
1	1.62	.52	3	.47	.37	1.15	.64	1.79	56	.0789	.0077	+.	11	@364
1	1.62	.52	5	.41	.42	1.21	.67	1.80	54	.0774	.0882	+.	11	@364
1	1.62	.52	7	.24	.12	1.38	.54	2.58	38	.0140	.0224	.12	11	@364
2	.77	.32	1	1.62	.52	-.85	.61	-1.38	58	.1723	.2085	-1.39	11	@364
2	.77	.32	3	.47	.37	.30	.49	.62	92	.5368	.6991	.09	11	@364
2	.77	.32	5	.41	.42	.36	.53	.69	73	.4939	.6281	.37	11	@364
2	.77	.32	7	.24	.12	.54	.34	1.58	122	.1166	.3163	-.35	11	@364
3	.47	.37	1	1.62	.52	-1.15	.64	-1.79	56	.0789	.0077	-.	11	@364
3	.47	.37	2	.77	.32	-.30	.49	-.62	92	.5368	.6991	-.09	11	@364
3	.47	.37	5	.41	.42	.06	.56	.10	65	.9171	.6784	.00	11	@364
3	.47	.37	7	.24	.12	.23	.39	.59	64	.5547	.8354	-.02	11	@364
5	.41	.42	1	1.62	.52	-1.21	.67	-1.80	54	.0774	.0882	-.	11	@364
5	.41	.42	2	.77	.32	-.36	.53	-.69	73	.4939	.6281	-.37	11	@364
5	.41	.42	3	.47	.37	-.06	.56	-.10	65	.9171	.6784	.00	11	@364
5	.41	.42	7	.24	.12	.17	.44	.40	48	.6932	.9551	-.99	11	@364
7	.24	.12	1	1.62	.52	-1.38	.54	-2.58	38	.0140	.0224	-.12	11	@364
7	.24	.12	2	.77	.32	-.54	.34	-1.58	122	.1166	.3163	.35	11	@364

7	.24	.12	3	.47	.37	-.23	.39	-.59	64	.5547	.8354	.02	11	@364
7	.24	.12	5	.41	.42	-.17	.44	-.40	48	.6932	.9551	.99	11	@364
1	.46	.44	2	-.01	.28	.47	.52	.91	59	.3682	.5766	-.03	12	@366
1	.46	.44	3	.61	.38	-.15	.58	-.26	59	.7946	.5103	.88	12	@366
1	.46	.44	5	.24	.41	.22	.60	.37	55	.7128	.9583	-.	12	@366
1	.46	.44	7	.05	.12	.41	.45	.92	41	.3655	.2592	.29	12	@366
2	-.01	.28	1	.46	.44	-.47	.52	-.91	59	.3682	.5766	.03	12	@366
2	-.01	.28	3	.61	.38	-.62	.47	-1.32	87	.1904	.2539	.23	12	@366
2	-.01	.28	5	.24	.41	-.25	.49	-.50	69	.6180	.8210	.08	12	@366
2	-.01	.28	7	.05	.12	-.05	.30	-.18	130	.8552	.5570	-.04	12	@366
3	.61	.38	1	.46	.44	.15	.58	.26	59	.7946	.5103	-.88	12	@366
3	.61	.38	2	-.01	.28	.62	.47	1.32	87	.1904	.2539	-.23	12	@366
3	.61	.38	5	.24	.41	.37	.56	.67	66	.5066	.6657	.41	12	@366
3	.61	.38	7	.05	.12	.57	.40	1.42	64	.1601	.0526	.01	12	@366
5	.24	.41	1	.46	.44	-.22	.60	-.37	55	.7128	.9583	+.	12	@366
5	.24	.41	2	-.01	.28	.25	.49	.50	69	.6180	.8210	-.08	12	@366
5	.24	.41	3	.61	.38	-.37	.56	-.67	66	.5066	.6657	-.41	12	@366
5	.24	.41	7	.05	.12	.19	.43	.45	49	.6530	.3373	.39	12	@366
7	.05	.12	1	.46	.44	-.41	.45	-.92	41	.3655	.2592	-.29	12	@366
7	.05	.12	2	-.01	.28	.05	.30	.18	130	.8552	.5570	.04	12	@366
7	.05	.12	3	.61	.38	-.57	.40	-1.42	64	.1601	.0526	-.01	12	@366
7	.05	.12	5	.24	.41	-.19	.43	-.45	49	.6530	.3373	-.39	12	@366
1	-.26	.42	2	.15	.28	-.41	.50	-.81	62	.4216	.1224	-1.15	13	@367
1	-.26	.42	3	.08	.35	-.34	.54	-.62	59	.5349	.2248	-.69	13	@367
1	-.26	.42	5	.25	.41	-.51	.58	-.88	55	.3822	.8918	.45	13	@367
1	-.26	.42	7	.33	.12	-.59	.43	-1.37	42	.1777	.1547	-1.17	13	@367
2	.15	.28	1	-.26	.42	.41	.50	.81	62	.4216	.1224	1.15	13	@367
2	.15	.28	3	.08	.35	.07	.45	.15	90	.8808	.8145	.57	13	@367
2	.15	.28	5	.25	.41	-.11	.50	-.22	70	.8298	.8851	.97	13	@367
2	.15	.28	7	.33	.12	-.19	.31	-.61	130	.5427	.6605	-.36	13	@367
3	.08	.35	1	-.26	.42	.34	.54	.62	59	.5349	.2248	.69	13	@367
3	.08	.35	2	.15	.28	-.07	.45	-.15	90	.8808	.8145	-.57	13	@367
3	.08	.35	5	.25	.41	-.17	.54	-.32	65	.7464	.8644	.72	13	@367
3	.08	.35	7	.33	.12	-.25	.37	-.69	67	.4935	.8562	-.47	13	@367
5	.25	.41	1	-.26	.42	.51	.58	.88	55	.3822	.8918	-.45	13	@367
5	.25	.41	2	.15	.28	.11	.50	.22	70	.8298	.8851	-.97	13	@367
5	.25	.41	3	.08	.35	.17	.54	.32	65	.7464	.8644	-.72	13	@367
5	.25	.41	7	.33	.12	-.08	.43	-.19	49	.8528	.8212	-1.06	13	@367
7	.33	.12	1	-.26	.42	.59	.43	1.37	42	.1777	.1547	1.17	13	@367
7	.33	.12	2	.15	.28	.19	.31	.61	130	.5427	.6605	.36	13	@367
7	.33	.12	3	.08	.35	.25	.37	.69	67	.4935	.8562	.47	13	@367
7	.33	.12	5	.25	.41	.08	.43	.19	49	.8528	.8212	1.06	13	@367
1	.46	.44	2	-.01	.28	.47	.52	.91	59	.3683	.6122	.69	14	@369
1	.46	.44	3	.20	.36	.26	.56	.45	58	.6518	.9806	.69	14	@369
1	.46	.44	5	-.24	.39	.70	.59	1.19	55	.2391	.1227	+.	14	@369
1	.46	.44	7	.31	.12	.15	.45	.34	41	.7356	.4440	.12	14	@369
2	-.01	.28	1	.46	.44	-.47	.52	-.91	59	.3683	.6122	-.69	14	@369
2	-.01	.28	3	.20	.36	-.21	.45	-.47	89	.6376	.7143	.13	14	@369
2	-.01	.28	5	-.24	.39	.23	.48	.48	71	.6343	.5277	.51	14	@369
2	-.01	.28	7	.31	.12	-.31	.30	-1.05	131	.2955	.7635	-.61	14	@369
3	.20	.36	1	.46	.44	-.26	.56	-.45	58	.6518	.9806	-.69	14	@369
3	.20	.36	2	-.01	.28	.21	.45	.47	89	.6376	.7143	-.13	14	@369
3	.20	.36	5	-.24	.39	.44	.53	.84	66	.4064	.4622	1.39	14	@369
3	.20	.36	7	.31	.12	-.10	.38	-.27	66	.7868	.6165	-1.03	14	@369
5	-.24	.39	1	.46	.44	-.70	.59	-1.19	55	.2391	.1227	-.	14	@369
5	-.24	.39	2	-.01	.28	-.23	.48	-.48	71	.6343	.5277	-.51	14	@369
5	-.24	.39	3	.20	.36	-.44	.53	-.84	66	.4064	.4622	-1.39	14	@369
5	-.24	.39	7	.31	.12	-.54	.41	-1.34	50	.1876	.2471	-.97	14	@369
7	.31	.12	1	.46	.44	-.15	.45	-.34	41	.7356	.4440	-.12	14	@369
7	.31	.12	2	-.01	.28	.31	.30	1.05	131	.2955	.7635	.61	14	@369
7	.31	.12	3	.20	.36	.10	.38	.27	66	.7868	.6165	1.03	14	@369
7	.31	.12	5	-.24	.39	.54	.41	1.34	50	.1876	.2471	.97	14	@369
1	-.61	.42	2	-.37	.27	-.24	.50	-.47	60	.6368	.5643	.17	15	@370
1	-.61	.42	3	-.50	.34	-.11	.54	-.20	58	.8428	.8852	.13	15	@370
1	-.61	.42	5	-.39	.39	-.22	.57	-.39	55	.6974	.6491	.13	15	@370
1	-.61	.42	7	-.61	.12	.01	.44	.01	42	.9889	.5579	-.09	15	@370
2	-.37	.27	1	-.61	.42	.24	.50	.47	60	.6368	.5643	-.17	15	@370
2	-.37	.27	3	-.50	.34	.13	.43	.30	89	.7647	.7712	.17	15	@370
2	-.37	.27	5	-.39	.39	.01	.47	.03	70	.9784	.7742	-.09	15	@370
2	-.37	.27	7	-.61	.12	.24	.29	.83	135	.4081	.6856	.14	15	@370
3	-.50	.34	1	-.61	.42	.11	.54	.20	58	.8428	.8852	-.13	15	@370
3	-.50	.34	2	-.37	.27	-.13	.43	-.30	89	.7647	.7712	-.17	15	@370
3	-.50	.34	5	-.39	.39	-.12	.51	-.23	65	.8217	.8703	.11	15	@370
3	-.50	.34	7	-.61	.12	.11	.36	.32	68	.7520	.4450	-.10	15	@370
5	-.39	.39	1	-.61	.42	.22	.57	.39	55	.6974	.6491	-.13	15	@370
5	-.39	.39	2	-.37	.27	-.01	.47	-.03	70	.9784	.7742	.09	15	@370

5	-.39	.39	3	-.50	.34	.12	.51	.23	65	.8217	.8703	-.11	15	@370
5	-.39	.39	7	-.61	.12	.23	.40	.57	51	.5737	.8573	-.37	15	@370
7	-.61	.12	1	-.61	.42	-.01	.44	-.01	42	.9889	.5579	.09	15	@370
7	-.61	.12	2	-.37	.27	-.24	.29	-.83	135	.4081	.6856	-.14	15	@370
7	-.61	.12	3	-.50	.34	-.11	.36	-.32	68	.7520	.4450	.10	15	@370
7	-.61	.12	5	-.39	.39	-.23	.40	-.57	51	.5737	.8573	.37	15	@370
1	-.61	.42	2	-.16	.27	-.45	.50	-.90	60	.3698	.1198	-.90	16	@375
1	-.61	.42	3	-.95	.34	.35	.54	.64	58	.5237	.8368	.31	16	@375
1	-.61	.42	5	-.68	.38	.07	.57	.13	55	.8982	.8423	.69	16	@375
1	-.61	.42	7	-.33	.12	-.27	.44	-.63	42	.5326	.6669	-.31	16	@375
2	-.16	.27	1	-.61	.42	.45	.50	.90	60	.3698	.1198	.90	16	@375
2	-.16	.27	3	-.95	.34	.80	.43	1.83	90	.0698	.0450	.87	16	@375
2	-.16	.27	5	-.68	.38	.52	.47	1.12	71	.2686	.5375	.92	16	@375
2	-.16	.27	7	-.33	.12	.18	.30	.60	132	.5495	.4502	.24	16	@375
3	-.95	.34	1	-.61	.42	-.35	.54	-.64	58	.5237	.8368	-.31	16	@375
3	-.95	.34	2	-.16	.27	-.80	.43	-1.83	90	.0698	.0450	-.87	16	@375
3	-.95	.34	5	-.68	.38	-.27	.51	-.53	65	.5962	.6900	-.21	16	@375
3	-.95	.34	7	-.33	.12	-.62	.36	-1.73	67	.0891	.2779	.02	16	@375
5	-.68	.38	1	-.61	.42	-.07	.57	-.13	55	.8982	.8423	-.69	16	@375
5	-.68	.38	2	-.16	.27	-.52	.47	-1.12	71	.2686	.5375	-.92	16	@375
5	-.68	.38	3	-.95	.34	.27	.51	.53	65	.5962	.6900	.21	16	@375
5	-.68	.38	7	-.33	.12	-.35	.40	-.86	50	.3917	.5106	-.41	16	@375
7	-.33	.12	1	-.61	.42	.27	.44	.63	42	.5326	.6669	.31	16	@375
7	-.33	.12	2	-.16	.27	-.18	.30	-.60	132	.5495	.4502	-.24	16	@375
7	-.33	.12	3	-.95	.34	.62	.36	1.73	67	.0891	.2779	-.02	16	@375
7	-.33	.12	5	-.68	.38	.35	.40	.86	50	.3917	.5106	.41	16	@375
1	-.97	.43	2	-.01	.28	-.96	.51	-1.88	60	.0649	.1567	-1.29	17	@378
1	-.97	.43	3	.08	.35	-1.05	.55	-1.89	58	.0635	.0960	-.32	17	@378
1	-.97	.43	5	.08	.40	-1.04	.59	-1.78	55	.0811	.0154	-.	17	@378
1	-.97	.43	7	-.17	.12	-.80	.44	-1.80	41	.0793	.0645	-.45	17	@378
2	-.01	.28	1	-.97	.43	.96	.51	1.88	60	.0649	.1567	1.29	17	@378
2	-.01	.28	3	.08	.35	-.09	.45	-.20	89	.8436	.5674	-.32	17	@378
2	-.01	.28	5	.08	.40	-.08	.49	-.17	70	.8643	.9973	-.32	17	@378
2	-.01	.28	7	-.17	.12	.16	.30	.53	131	.5960	.7514	.05	17	@378
3	.08	.35	1	-.97	.43	1.05	.55	1.89	58	.0635	.0960	.32	17	@378
3	.08	.35	2	-.01	.28	.09	.45	.20	89	.8436	.5674	.32	17	@378
3	.08	.35	5	.08	.40	.00	.53	.01	65	.9929	.7917	.18	17	@378
3	.08	.35	7	-.17	.12	.25	.37	.67	66	.5048	.6129	-.31	17	@378
5	.08	.40	1	-.97	.43	1.04	.59	1.78	55	.0811	.0154	+.	17	@378
5	.08	.40	2	-.01	.28	.08	.49	.17	70	.8643	.9973	.32	17	@378
5	.08	.40	3	.08	.35	.00	.53	-.01	65	.9929	.7917	-.18	17	@378
5	.08	.40	7	-.17	.12	.24	.42	.58	49	.5633	.8981	.00	17	@378
7	-.17	.12	1	-.97	.43	.80	.44	1.80	41	.0793	.0645	.45	17	@378
7	-.17	.12	2	-.01	.28	-.16	.30	-.53	131	.5960	.7514	-.05	17	@378
7	-.17	.12	3	.08	.35	-.25	.37	-.67	66	.5048	.6129	.31	17	@378
7	-.17	.12	5	.08	.40	-.24	.42	-.58	49	.5633	.8981	.00	17	@378
1	-.43	.42	2	-.01	.28	-.43	.50	-.85	61	.3982	.7352	-.26	18	@382
1	-.43	.42	3	.08	.35	-.51	.54	-.94	59	.3493	.5689	.69	18	@382
1	-.43	.42	5	-.24	.39	-.20	.57	-.35	55	.7298	.2861	+.	18	@382
1	-.43	.42	7	-.13	.12	-.30	.43	-.70	42	.4875	.5404	-.50	18	@382
2	-.01	.28	1	-.43	.42	.43	.50	.85	61	.3982	.7352	.26	18	@382
2	-.01	.28	3	.08	.35	-.09	.45	-.20	89	.8436	.7039	-.25	18	@382
2	-.01	.28	5	-.24	.39	.23	.48	.48	71	.6349	.4180	2.08	18	@382
2	-.01	.28	7	-.13	.12	.12	.30	.41	130	.6840	.4681	-.12	18	@382
3	.08	.35	1	-.43	.42	.51	.54	.94	59	.3493	.5689	-.69	18	@382
3	.08	.35	2	-.01	.28	.09	.45	.20	89	.8436	.7039	.25	18	@382
3	.08	.35	5	-.24	.39	.32	.52	.60	66	.5485	.9257	-.	18	@382
3	.08	.35	7	-.13	.12	.21	.37	.57	66	.5705	.4616	.00	18	@382
5	-.24	.39	1	-.43	.42	.20	.57	.35	55	.7298	.2861	-.	18	@382
5	-.24	.39	2	-.01	.28	-.23	.48	-.48	71	.6349	.4180	-2.08	18	@382
5	-.24	.39	3	.08	.35	-.32	.52	-.60	66	.5485	.9257	+.	18	@382
5	-.24	.39	7	-.13	.12	-.11	.41	-.26	50	.7965	.7220	-.87	18	@382
7	-.13	.12	1	-.43	.42	.30	.43	.70	42	.4875	.5404	.50	18	@382
7	-.13	.12	2	-.01	.28	-.12	.30	-.41	130	.6840	.4681	.12	18	@382
7	-.13	.12	3	.08	.35	-.21	.37	-.57	66	.5705	.4616	.00	18	@382
7	-.13	.12	5	-.24	.39	.11	.41	.26	50	.7965	.7220	.87	18	@382
1	.46	.44	2	-.01	.28	.47	.52	.91	59	.3682	.6838	-.58	19	@384
1	.46	.44	3	-.04	.35	.50	.56	.90	58	.3717	.3527	-.69	19	@384
1	.46	.44	5	1.00	.46	-.54	.64	-.85	55	.3984	.3056	-.	19	@384
1	.46	.44	7	.05	.12	.41	.45	.92	41	.3655	.5386	-.87	19	@384
2	-.01	.28	1	.46	.44	-.47	.52	-.91	59	.3682	.6838	.58	19	@384
2	-.01	.28	3	-.04	.35	.03	.44	.07	90	.9411	.9573	-.14	19	@384
2	-.01	.28	5	1.00	.46	-1.01	.54	-1.88	65	.0653	.0068	.00	19	@384
2	-.01	.28	7	.05	.12	-.05	.30	-.18	130	.8552	.9909	-.09	19	@384
3	-.04	.35	1	.46	.44	-.50	.56	-.90	58	.3717	.3527	.69	19	@384
3	-.04	.35	2	-.01	.28	-.03	.44	-.07	90	.9411	.9573	.14	19	@384

3	-.04	.35	5	1.00	.46	-1.04	.58	-1.81	63	.0756	.0282	-.	19	@384
3	-.04	.35	7	.05	.12	-.09	.36	-.24	67	.8109	.9009	-.09	19	@384
5	1.00	.46	1	.46	.44	.54	.64	.85	55	.3984	.3056	+.	19	@384
5	1.00	.46	2	-.01	.28	1.01	.54	1.88	65	.0653	.0068	.00	19	@384
5	1.00	.46	3	-.04	.35	1.04	.58	1.81	63	.0756	.0282	+.	19	@384
5	1.00	.46	7	.05	.12	.96	.48	2.00	46	.0512	.0265	.08	19	@384
7	.05	.12	1	.46	.44	-.41	.45	-.92	41	.3655	.5386	.87	19	@384
7	.05	.12	2	-.01	.28	.05	.30	.18	130	.8552	.9909	.09	19	@384
7	.05	.12	3	-.04	.35	.09	.36	.24	67	.8109	.9009	.09	19	@384
7	.05	.12	5	1.00	.46	-.96	.48	-2.00	46	.0512	.0265	-.08	19	@384
1	-1.16	.44	2	-.51	.26	-.64	.51	-1.26	58	.2126	.2513	-1.12	20	@386
1	-1.16	.44	3	-1.07	.34	-.08	.56	-.15	58	.8804	.7998	-.98	20	@386
1	-1.16	.44	5	-.53	.38	-.62	.58	-1.07	54	.2905	.1302	-1.39	20	@386
1	-1.16	.44	7	-.23	.12	-.93	.45	-2.06	41	.0460	.1014	-.49	20	@386
2	-.51	.26	1	-1.16	.44	.64	.51	1.26	58	.2126	.2513	1.12	20	@386
2	-.51	.26	3	-1.07	.34	.56	.43	1.29	88	.1995	.3049	-.32	20	@386
2	-.51	.26	5	-.53	.38	.02	.47	.05	70	.9634	.4134	-.05	20	@386
2	-.51	.26	7	-.23	.12	-.29	.29	-1.00	134	.3194	.7680	.03	20	@386
3	-1.07	.34	1	-1.16	.44	.08	.56	.15	58	.8804	.7998	.98	20	@386
3	-1.07	.34	2	-.51	.26	-.56	.43	-1.29	88	.1995	.3049	.32	20	@386
3	-1.07	.34	5	-.53	.38	-.54	.52	-1.04	65	.3009	.7446	.39	20	@386
3	-1.07	.34	7	-.23	.12	-.85	.36	-2.34	67	.0225	.0871	.02	20	@386
5	-.53	.38	1	-1.16	.44	.62	.58	1.07	54	.2905	.1302	1.39	20	@386
5	-.53	.38	2	-.51	.26	-.02	.47	-.05	70	.9634	.4134	.05	20	@386
5	-.53	.38	3	-1.07	.34	.54	.52	1.04	65	.3009	.7446	-.39	20	@386
5	-.53	.38	7	-.23	.12	-.31	.40	-.77	50	.4453	.6199	-.16	20	@386
7	-.23	.12	1	-1.16	.44	.93	.45	2.06	41	.0460	.1014	.49	20	@386
7	-.23	.12	2	-.51	.26	.29	.29	1.00	134	.3194	.7680	-.03	20	@386
7	-.23	.12	3	-1.07	.34	.85	.36	2.34	67	.0225	.0871	-.02	20	@386
7	-.23	.12	5	-.53	.38	.31	.40	.77	50	.4453	.6199	.16	20	@386
1	.09	.42	2	-.16	.27	.25	.50	.50	60	.6211	.9705	.69	21	@392
1	.09	.42	3	.08	.35	.01	.55	.02	59	.9828	.4948	.69	21	@392
1	.09	.42	5	-.53	.38	.63	.57	1.10	55	.2780	.5842	.69	21	@392
1	.09	.42	7	-.33	.12	.43	.44	.97	42	.3364	.5125	.20	21	@392
2	-.16	.27	1	.09	.42	-.25	.50	-.50	60	.6211	.9705	-.69	21	@392
2	-.16	.27	3	.08	.35	-.24	.44	-.54	89	.5925	.4944	-.29	21	@392
2	-.16	.27	5	-.53	.38	.38	.47	.80	71	.4260	.5583	-.61	21	@392
2	-.16	.27	7	-.33	.12	.18	.30	.60	132	.5497	.9938	-.55	21	@392
3	.08	.35	1	.09	.42	-.01	.55	-.02	59	.9828	.4948	-.69	21	@392
3	.08	.35	2	-.16	.27	.24	.44	.54	89	.5925	.4944	.29	21	@392
3	.08	.35	5	-.53	.38	.61	.52	1.18	66	.2415	.4681	.15	21	@392
3	.08	.35	7	-.33	.12	.41	.37	1.12	66	.2651	.5233	.11	21	@392
5	-.53	.38	1	.09	.42	-.63	.57	-1.10	55	.2780	.5842	-.69	21	@392
5	-.53	.38	2	-.16	.27	-.38	.47	-.80	71	.4260	.5583	.61	21	@392
5	-.53	.38	3	.08	.35	-.61	.52	-1.18	66	.2415	.4681	-.15	21	@392
5	-.53	.38	7	-.33	.12	-.20	.40	-.50	50	.6218	.4331	-.06	21	@392
7	-.33	.12	1	.09	.42	-.43	.44	-.97	42	.3364	.5125	-.20	21	@392
7	-.33	.12	2	-.16	.27	-.18	.30	-.60	132	.5497	.9938	.55	21	@392
7	-.33	.12	3	.08	.35	-.41	.37	-1.12	66	.2651	.5233	-.11	21	@392
7	-.33	.12	5	-.53	.38	.20	.40	.50	50	.6218	.4331	.06	21	@392
1	-.79	.42	2	.15	.28	-.93	.51	-1.84	61	.0711	.0659	-.27	22	@395
1	-.79	.42	3	-.04	.35	-.74	.55	-1.36	58	.1778	.1869	.69	22	@395
1	-.79	.42	5	-.39	.39	-.40	.57	-.70	55	.4878	.0625	.37	22	@395
1	-.79	.42	7	-.28	.12	-.51	.44	-1.15	42	.2555	.2792	-.61	22	@395
2	.15	.28	1	-.79	.42	.93	.51	1.84	61	.0711	.0659	.27	22	@395
2	.15	.28	3	-.04	.35	.19	.45	.42	90	.6733	.9793	-.71	22	@395
2	.15	.28	5	-.39	.39	.53	.48	1.12	72	.2680	.4369	-.06	22	@395
2	.15	.28	7	-.28	.12	.43	.30	1.40	129	.1635	.3199	-.44	22	@395
3	-.04	.35	1	-.79	.42	.74	.55	1.36	58	.1778	.1869	-.69	22	@395
3	-.04	.35	2	.15	.28	-.19	.45	-.42	90	.6733	.9793	.71	22	@395
3	-.04	.35	5	-.39	.39	.34	.52	.67	65	.5077	.2279	.00	22	@395
3	-.04	.35	7	-.28	.12	.24	.36	.66	67	.5145	.7554	-.27	22	@395
5	-.39	.39	1	-.79	.42	.40	.57	.70	55	.4878	.0625	-.37	22	@395
5	-.39	.39	2	.15	.28	-.53	.48	-1.12	72	.2680	.4369	.06	22	@395
5	-.39	.39	3	-.04	.35	-.34	.52	-.67	65	.5077	.2279	.00	22	@395
5	-.39	.39	7	-.28	.12	-.11	.40	-.26	50	.7937	.6952	.29	22	@395
7	-.28	.12	1	-.79	.42	.51	.44	1.15	42	.2555	.2792	.61	22	@395
7	-.28	.12	2	.15	.28	-.43	.30	-1.40	129	.1635	.3199	.44	22	@395
7	-.28	.12	3	-.04	.35	-.24	.36	-.66	67	.5145	.7554	.27	22	@395
7	-.28	.12	5	-.39	.39	.11	.40	.26	50	.7937	.6952	-.29	22	@395
1	.27	.43	2	.07	.28	.20	.51	.40	60	.6912	.8189	-.23	23	@397
1	.27	.43	3	.61	.38	-.34	.57	-.59	60	.5567	.6105	-.	23	@397
1	.27	.43	5	.41	.42	-.14	.60	-.23	55	.8192	.6763	.69	23	@397
1	.27	.43	7	.13	.12	.14	.44	.33	41	.7463	.6899	.02	23	@397
2	.07	.28	1	.27	.43	-.20	.51	-.40	60	.6912	.8189	.23	23	@397
2	.07	.28	3	.61	.38	-.54	.47	-1.15	87	.2531	.3382	.26	23	@397

2	.07	.28	5	.41	.42	-.34	.50	-.68	69	.4996	.3116	.41	23	@397
2	.07	.28	7	.13	.12	-.06	.30	-.20	130	.8445	.3848	-.13	23	@397
3	.61	.38	1	.27	.43	.34	.57	.59	60	.5567	.6105	+.	23	@397
3	.61	.38	2	.07	.28	.54	.47	1.15	87	.2531	.3382	-.26	23	@397
3	.61	.38	5	.41	.42	.20	.57	.36	66	.7237	.6932	-.	23	@397
3	.61	.38	7	.13	.12	.48	.40	1.21	64	.2291	.2621	-.43	23	@397
5	.41	.42	1	.27	.43	.14	.60	.23	55	.8192	.6763	-.69	23	@397
5	.41	.42	2	.07	.28	.34	.50	.68	69	.4996	.3116	-.41	23	@397
5	.41	.42	3	.61	.38	-.20	.57	-.36	66	.7237	.6932	+.	23	@397
5	.41	.42	7	.13	.12	.28	.44	.65	48	.5197	.7287	-.58	23	@397
7	.13	.12	1	.27	.43	-.14	.44	-.33	41	.7463	.6899	-.02	23	@397
7	.13	.12	2	.07	.28	.06	.30	.20	130	.8445	.3848	.13	23	@397
7	.13	.12	3	.61	.38	-.48	.40	-1.21	64	.2291	.2621	.43	23	@397
7	.13	.12	5	.41	.42	-.28	.44	-.65	48	.5197	.7287	.58	23	@397
1	.87	.46	2	-.30	.27	1.17	.53	2.19	57	.0326	.0483	.88	24	@408
1	.87	.46	3	.20	.36	.66	.58	1.13	57	.2620	.2441	2.30	24	@408
1	.87	.46	5	-.08	.39	.95	.61	1.56	54	.1240	.0839	.92	24	@408
1	.87	.46	7	.38	.12	.49	.48	1.03	40	.3107	.2609	.01	24	@408
2	-.30	.27	1	.87	.46	-1.17	.53	-2.19	57	.0326	.0483	-.88	24	@408
2	-.30	.27	3	.20	.36	-.51	.44	-1.14	88	.2569	.4916	-.31	24	@408
2	-.30	.27	5	-.08	.39	-.22	.47	-.46	69	.6445	.9076	.12	24	@408
2	-.30	.27	7	.38	.12	-.68	.29	-2.33	134	.0212	.0643	-.69	24	@408
3	.20	.36	1	.87	.46	-.66	.58	-1.13	57	.2620	.2441	-2.30	24	@408
3	.20	.36	2	-.30	.27	.51	.44	1.14	88	.2569	.4916	.31	24	@408
3	.20	.36	5	-.08	.39	.29	.53	.54	66	.5902	.5000	-.35	24	@408
3	.20	.36	7	.38	.12	-.17	.38	-.46	66	.6495	.8177	-.23	24	@408
5	-.08	.39	1	.87	.46	-.95	.61	-1.56	54	.1240	.0839	-.92	24	@408
5	-.08	.39	2	-.30	.27	.22	.47	.46	69	.6445	.9076	-.12	24	@408
5	-.08	.39	3	.20	.36	-.29	.53	-.54	66	.5902	.5000	.35	24	@408
5	-.08	.39	7	.38	.12	-.46	.41	-1.12	50	.2696	.3004	-.56	24	@408
7	.38	.12	1	.87	.46	-.49	.48	-1.03	40	.3107	.2609	-.01	24	@408
7	.38	.12	2	-.30	.27	.68	.29	2.33	134	.0212	.0643	.69	24	@408
7	.38	.12	3	.20	.36	.17	.38	.46	66	.6495	.8177	.23	24	@408
7	.38	.12	5	-.08	.39	.46	.41	1.12	50	.2696	.3004	.56	24	@408
1	1.09	.49	2	1.37	.38	-.28	.61	-.45	66	.6521	.2107	+.	25	@412
1	1.09	.49	3	1.53	.49	-.44	.69	-.64	61	.5278	.8658	+.	25	@412
1	1.09	.49	5	1.88	.61	-.78	.78	-1.00	55	.3197	.1967	-.	25	@412
1	1.09	.49	7	1.41	.14	-.31	.50	-.62	42	.5374	.6298	-1.08	25	@412
2	1.37	.38	1	1.09	.49	.28	.61	.45	66	.6521	.2107	-.	25	@412
2	1.37	.38	3	1.53	.49	-.16	.62	-.26	88	.7963	.9930	1.61	25	@412
2	1.37	.38	5	1.88	.61	-.51	.72	-.70	67	.4845	.9089	1.10	25	@412
2	1.37	.38	7	1.41	.14	-.04	.40	-.09	121	.9306	.5707	-.47	25	@412
3	1.53	.49	1	1.09	.49	.44	.69	.64	61	.5278	.8658	-.	25	@412
3	1.53	.49	2	1.37	.38	.16	.62	.26	88	.7963	.9930	-1.61	25	@412
3	1.53	.49	5	1.88	.61	-.34	.79	-.44	64	.6626	.9838	.41	25	@412
3	1.53	.49	7	1.41	.14	.13	.51	.25	61	.8068	.9460	-1.25	25	@412
5	1.88	.61	1	1.09	.49	.78	.78	1.00	55	.3197	.1967	+.	25	@412
5	1.88	.61	2	1.37	.38	.51	.72	.70	67	.4845	.9089	-1.10	25	@412
5	1.88	.61	3	1.53	.49	.34	.79	.44	64	.6626	.9838	-.41	25	@412
5	1.88	.61	7	1.41	.14	.47	.63	.75	44	.4571	.3440	-2.18	25	@412
7	1.41	.14	1	1.09	.49	.31	.50	.62	42	.5374	.6298	1.08	25	@412
7	1.41	.14	2	1.37	.38	.04	.40	.09	121	.9306	.5707	.47	25	@412
7	1.41	.14	3	1.53	.49	-.13	.51	-.25	61	.8068	.9460	1.25	25	@412
7	1.41	.14	5	1.88	.61	-.47	.63	-.75	44	.4571	.3440	2.18	25	@412
1	.66	.45	2	-.37	.27	1.03	.52	1.98	58	.0521	.1773	.69	26	@420
1	.66	.45	3	-.39	.34	1.05	.56	1.87	57	.0667	.2934	.69	26	@420
1	.66	.45	5	-.39	.39	1.04	.59	1.77	54	.0830	.0232	+.	26	@420
1	.66	.45	7	-.28	.12	.94	.46	2.03	41	.0490	.0311	.28	26	@420
2	-.37	.27	1	.66	.45	-1.03	.52	-1.98	58	.0521	.1773	-.69	26	@420
2	-.37	.27	3	-.39	.34	.02	.43	.04	89	.9714	.5627	.83	26	@420
2	-.37	.27	5	-.39	.39	.01	.47	.03	70	.9784	.7999	.70	26	@420
2	-.37	.27	7	-.28	.12	-.09	.29	-.32	134	.7481	.5812	.42	26	@420
3	-.39	.34	1	.66	.45	-1.05	.56	-1.87	57	.0667	.2934	-.69	26	@420
3	-.39	.34	2	-.37	.27	-.02	.43	-.04	89	.9714	.5627	-.83	26	@420
3	-.39	.34	5	-.39	.39	.00	.51	-.01	65	.9958	.7245	.15	26	@420
3	-.39	.34	7	-.28	.12	-.11	.36	-.31	68	.7613	.9707	-.37	26	@420
5	-.39	.39	1	.66	.45	-1.04	.59	-1.77	54	.0830	.0232	-.	26	@420
5	-.39	.39	2	-.37	.27	-.01	.47	-.03	70	.9784	.7999	-.70	26	@420
5	-.39	.39	3	-.39	.34	.00	.51	.01	65	.9958	.7245	-.15	26	@420
5	-.39	.39	7	-.28	.12	-.11	.40	-.26	50	.7937	.8819	-.13	26	@420
7	-.28	.12	1	.66	.45	-.94	.46	-2.03	41	.0490	.0311	-.28	26	@420
7	-.28	.12	2	-.37	.27	.09	.29	.32	134	.7481	.5812	-.42	26	@420
7	-.28	.12	3	-.39	.34	.11	.36	.31	68	.7613	.9707	.37	26	@420
7	-.28	.12	5	-.39	.39	.11	.40	.26	50	.7937	.8819	.13	26	@420
1	.27	.43	2	.15	.28	.13	.51	.24	61	.8078	.6814	-2.30	27	@422
1	.27	.43	3	.20	.36	.08	.56	.14	59	.8926	.8425	-.45	27	@422

1	.27	.43	5	1.00	.47	-.73	.63	-1.15	55	.2532	.5864	-.	27	@422
1	.27	.43	7	.14	.12	.13	.44	.30	41	.7694	.9041	.15	27	@422
2	.15	.28	1	.27	.43	-.13	.51	-.24	61	.8078	.6814	2.30	27	@422
2	.15	.28	3	.20	.36	-.05	.45	-.11	90	.9129	.8591	.19	27	@422
2	.15	.28	5	1.00	.47	-.86	.54	-1.57	66	.1205	.1523	.37	27	@422
2	.15	.28	7	.14	.12	.01	.31	.02	129	.9851	.8774	-.22	27	@422
3	.20	.36	1	.27	.43	-.08	.56	-.14	59	.8926	.8425	.45	27	@422
3	.20	.36	2	.15	.28	.05	.45	.11	90	.9129	.8591	-.19	27	@422
3	.20	.36	5	1.00	.47	-.81	.59	-1.38	63	.1737	.1417	.00	27	@422
3	.20	.36	7	.14	.12	.06	.37	.15	66	.8826	.9359	-.10	27	@422
5	1.00	.47	1	.27	.43	.73	.63	1.15	55	.2532	.5864	+.	27	@422
5	1.00	.47	2	.15	.28	.86	.54	1.57	66	.1205	.1523	-.37	27	@422
5	1.00	.47	3	.20	.36	.81	.59	1.38	63	.1737	.1417	.00	27	@422
5	1.00	.47	7	.14	.12	.86	.48	1.80	46	.0789	.1092	-.82	27	@422
7	.14	.12	1	.27	.43	-.13	.44	-.30	41	.7694	.9041	-.15	27	@422
7	.14	.12	2	.15	.28	-.01	.31	-.02	129	.9851	.8774	.22	27	@422
7	.14	.12	3	.20	.36	-.06	.37	-.15	66	.8826	.9359	.10	27	@422
7	.14	.12	5	1.00	.47	-.86	.48	-1.80	46	.0789	.1092	.82	27	@422
1	.46	.44	2	.15	.28	.31	.52	.60	60	.5496	.1697	.31	28	@426
1	.46	.44	3	1.30	.44	-.84	.62	-1.35	61	.1815	.1980	-.	28	@426
1	.46	.44	5	.79	.45	-.33	.63	-.52	55	.6023	.9636	.00	28	@426
1	.46	.44	7	.46	.12	.00	.45	.00	41	.9994	.9398	-.28	28	@426
2	.15	.28	1	.46	.44	-.31	.52	-.60	60	.5496	.1697	-.31	28	@426
2	.15	.28	3	1.30	.44	-1.15	.52	-2.20	82	.0304	.0624	-.29	28	@426
2	.15	.28	5	.79	.45	-.64	.53	-1.21	67	.2313	.6155	-.69	28	@426
2	.15	.28	7	.46	.12	-.31	.31	-1.02	130	.3078	.7211	-.56	28	@426
3	1.30	.44	1	.46	.44	.84	.62	1.35	61	.1815	.1980	+.	28	@426
3	1.30	.44	2	.15	.28	1.15	.52	2.20	82	.0304	.0624	.29	28	@426
3	1.30	.44	5	.79	.45	.51	.63	.81	66	.4216	.3026	+.	28	@426
3	1.30	.44	7	.46	.12	.84	.46	1.84	60	.0709	.0370	.43	28	@426
5	.79	.45	1	.46	.44	.33	.63	.52	55	.6023	.9636	.00	28	@426
5	.79	.45	2	.15	.28	.64	.53	1.21	67	.2313	.6155	.69	28	@426
5	.79	.45	3	1.30	.44	-.51	.63	-.81	66	.4216	.3026	-.	28	@426
5	.79	.45	7	.46	.12	.33	.47	.71	47	.4833	.4517	-.38	28	@426
7	.46	.12	1	.46	.44	.00	.45	.00	41	.9994	.9398	.28	28	@426
7	.46	.12	2	.15	.28	.31	.31	1.02	130	.3078	.7211	.56	28	@426
7	.46	.12	3	1.30	.44	-.84	.46	-1.84	60	.0709	.0370	-.43	28	@426
7	.46	.12	5	.79	.45	-.33	.47	-.71	47	.4833	.4517	.38	28	@426
1	.27	.43	2	.07	.28	.20	.51	.40	60	.6911	.3659	.27	29	@431
1	.27	.43	3	.08	.35	.19	.55	.35	58	.7285	.2167	+.	29	@431
1	.27	.43	5	.24	.41	.03	.59	.06	55	.9545	.5951	.27	29	@431
1	.27	.43	7	.38	.12	-.10	.44	-.23	42	.8180	.7220	-.07	29	@431
2	.07	.28	1	.27	.43	-.20	.51	-.40	60	.6911	.3659	-.27	29	@431
2	.07	.28	3	.08	.35	-.01	.45	-.02	90	.9801	.9167	.50	29	@431
2	.07	.28	5	.24	.41	-.17	.50	-.34	70	.7320	.9002	.19	29	@431
2	.07	.28	7	.38	.12	-.31	.30	-1.02	131	.3119	.4130	-.48	29	@431
3	.08	.35	1	.27	.43	-.19	.55	-.35	58	.7285	.2167	-.	29	@431
3	.08	.35	2	.07	.28	.01	.45	.02	90	.9801	.9167	-.50	29	@431
3	.08	.35	5	.24	.41	-.16	.54	-.30	65	.7686	.8756	.00	29	@431
3	.08	.35	7	.38	.12	-.30	.37	-.80	67	.4256	.4887	-.82	29	@431
5	.24	.41	1	.27	.43	-.03	.59	-.06	55	.9545	.5951	-.27	29	@431
5	.24	.41	2	.07	.28	.17	.50	.34	70	.7320	.9002	-.19	29	@431
5	.24	.41	3	.08	.35	.16	.54	.30	65	.7686	.8756	.00	29	@431
5	.24	.41	7	.38	.12	-.14	.43	-.32	49	.7490	.7531	-.43	29	@431
7	.38	.12	1	.27	.43	.10	.44	.23	42	.8180	.7220	.07	29	@431
7	.38	.12	2	.07	.28	.31	.30	1.02	131	.3119	.4130	.48	29	@431
7	.38	.12	3	.08	.35	.30	.37	.80	67	.4256	.4887	.82	29	@431
7	.38	.12	5	.24	.41	.14	.43	.32	49	.7490	.7531	.43	29	@431
1	.66	.45	2	.89	.33	-.24	.56	-.43	64	.6720	.7454	-.69	30	@442
1	.66	.45	3	.93	.41	-.27	.61	-.44	60	.6585	.2547	-.69	30	@442
1	.66	.45	5	.59	.43	.06	.62	.10	55	.9189	.6458	.19	30	@442
1	.66	.45	7	.94	.13	-.28	.47	-.60	42	.5538	.9564	-.34	30	@442
2	.89	.33	1	.66	.45	.24	.56	.43	64	.6720	.7454	.69	30	@442
2	.89	.33	3	.93	.41	-.03	.53	-.07	90	.9483	.5741	.41	30	@442
2	.89	.33	5	.59	.43	.30	.54	.55	73	.5821	.4240	.45	30	@442
2	.89	.33	7	.94	.13	-.04	.35	-.12	124	.9060	.3114	.21	30	@442
3	.93	.41	1	.66	.45	.27	.61	.44	60	.6585	.2547	.69	30	@442
3	.93	.41	2	.89	.33	.03	.53	.07	90	.9483	.5741	-.41	30	@442
3	.93	.41	5	.59	.43	.33	.60	.56	66	.5777	.6026	.00	30	@442
3	.93	.41	7	.94	.13	-.01	.43	-.02	64	.9865	.5461	-.48	30	@442
5	.59	.43	1	.66	.45	-.06	.62	-.10	55	.9189	.6458	-.19	30	@442
5	.59	.43	2	.89	.33	-.30	.54	-.55	73	.5821	.4240	-.45	30	@442
5	.59	.43	3	.93	.41	-.33	.60	-.56	66	.5777	.6026	.00	30	@442
5	.59	.43	7	.94	.13	-.34	.45	-.76	49	.4515	.8782	-.73	30	@442
7	.94	.13	1	.66	.45	.28	.47	.60	42	.5538	.9564	.34	30	@442
7	.94	.13	2	.89	.33	.04	.35	.12	124	.9060	.3114	-.21	30	@442

7	.94	.13	3	.93	.41	.01	.43	.02	64	.9865	.5461	.48	30	@442
7	.94	.13	5	.59	.43	.34	.45	.76	49	.4515	.8782	.73	30	@442
1	2.42	.66	2	.77	.31	1.65	.73	2.25	51	.0289	.1201	+.	31	@443
1	2.42	.66	3	.93	.41	1.50	.78	1.92	53	.0605	.0307	+.	31	@443
1	2.42	.66	5	1.88	.61	.55	.90	.61	55	.5449	.7055	+.	31	@443
1	2.42	.66	7	1.34	.14	1.08	.68	1.59	37	.1198	.1330	-.92	31	@443
2	.77	.31	1	2.42	.66	-1.65	.73	-2.25	51	.0289	.1201	-.	31	@443
2	.77	.31	3	.93	.41	-.16	.51	-.30	88	.7625	.5546	-.54	31	@443
2	.77	.31	5	1.88	.61	-1.10	.68	-1.62	61	.1108	.3703	-.	31	@443
2	.77	.31	7	1.34	.14	-.57	.34	-1.67	132	.0965	.7650	-.97	31	@443
3	.93	.41	1	2.42	.66	-1.50	.78	-1.92	53	.0605	.0307	-.	31	@443
3	.93	.41	2	.77	.31	.16	.51	.30	88	.7625	.5546	.54	31	@443
3	.93	.41	5	1.88	.61	-.95	.73	-1.30	61	.1993	.8803	-.	31	@443
3	.93	.41	7	1.34	.14	-.42	.43	-.97	66	.3374	.6265	-1.26	31	@443
5	1.88	.61	1	2.42	.66	-.55	.90	-.61	55	.5449	.7055	-.	31	@443
5	1.88	.61	2	.77	.31	1.10	.68	1.62	61	.1108	.3703	+.	31	@443
5	1.88	.61	3	.93	.41	.95	.73	1.30	61	.1993	.8803	+.	31	@443
5	1.88	.61	7	1.34	.14	.53	.62	.86	44	.3960	.2377	-1.50	31	@443
7	1.34	.14	1	2.42	.66	-1.08	.68	-1.59	37	.1198	.1330	.92	31	@443
7	1.34	.14	2	.77	.31	.57	.34	1.67	132	.0965	.7650	.97	31	@443
7	1.34	.14	3	.93	.41	.42	.43	.97	66	.3374	.6265	1.26	31	@443
7	1.34	.14	5	1.88	.61	-.53	.62	-.86	44	.3960	.2377	1.50	31	@443
1	.27	.43	2	.67	.31	-.40	.53	-.75	64	.4532	.3800	.69	32	@446
1	.27	.43	3	1.30	.44	-1.03	.61	-1.67	62	.0997	.4298	.69	32	@446
1	.27	.43	5	.79	.45	-.52	.62	-.83	55	.4097	.5717	-.	32	@446
1	.27	.43	7	.33	.12	-.06	.44	-.14	42	.8911	.4679	-.53	32	@446
2	.67	.31	1	.27	.43	.40	.53	.75	64	.4532	.3800	-.69	32	@446
2	.67	.31	3	1.30	.44	-.63	.54	-1.16	86	.2487	.2247	.00	32	@446
2	.67	.31	5	.79	.45	-.12	.55	-.21	70	.8320	.3655	-.69	32	@446
2	.67	.31	7	.33	.12	.34	.33	1.02	123	.3115	.8795	.05	32	@446
3	1.30	.44	1	.27	.43	1.03	.61	1.67	62	.0997	.4298	-.69	32	@446
3	1.30	.44	2	.67	.31	.63	.54	1.16	86	.2487	.2247	.00	32	@446
3	1.30	.44	5	.79	.45	.51	.63	.81	66	.4214	.6687	1.79	32	@446
3	1.30	.44	7	.33	.12	.97	.46	2.12	60	.0382	.1202	-1.05	32	@446
5	.79	.45	1	.27	.43	.52	.62	.83	55	.4097	.5717	+.	32	@446
5	.79	.45	2	.67	.31	.12	.55	.21	70	.8320	.3655	.69	32	@446
5	.79	.45	3	1.30	.44	-.51	.63	-.81	66	.4214	.6687	-1.79	32	@446
5	.79	.45	7	.33	.12	.46	.47	.98	47	.3332	.6940	.00	32	@446
7	.33	.12	1	.27	.43	.06	.44	.14	42	.8911	.4679	.53	32	@446
7	.33	.12	2	.67	.31	-.34	.33	-1.02	123	.3115	.8795	-.05	32	@446
7	.33	.12	3	1.30	.44	-.97	.46	-2.12	60	.0382	.1202	1.05	32	@446
7	.33	.12	5	.79	.45	-.46	.47	-.98	47	.3332	.6940	.00	32	@446
1	.87	.47	2	1.01	.34	-.14	.58	-.25	64	.8047	.4895	-.49	33	@448
1	.87	.47	3	.93	.41	-.06	.62	-.10	60	.9213	.5506	-.	33	@448
1	.87	.47	5	.59	.43	.27	.63	.43	55	.6683	.6725	1.18	33	@448
1	.87	.47	7	1.06	.13	-.20	.48	-.41	42	.6834	.7355	-.10	33	@448
2	1.01	.34	1	.87	.47	.14	.58	.25	64	.8047	.4895	.49	33	@448
2	1.01	.34	3	.93	.41	.08	.53	.15	91	.8795	.9229	.00	33	@448
2	1.01	.34	5	.59	.43	.42	.55	.76	74	.4500	.5191	1.14	33	@448
2	1.01	.34	7	1.06	.13	-.06	.36	-.15	124	.8786	.5851	.00	33	@448
3	.93	.41	1	.87	.47	.06	.62	.10	60	.9213	.5506	+.	33	@448
3	.93	.41	2	1.01	.34	-.08	.53	-.15	91	.8795	.9229	.00	33	@448
3	.93	.41	5	.59	.43	.34	.60	.56	66	.5765	.2746	+.	33	@448
3	.93	.41	7	1.06	.13	-.14	.43	-.32	64	.7532	.9865	-.87	33	@448
5	.59	.43	1	.87	.47	-.27	.63	-.43	55	.6683	.6725	-1.18	33	@448
5	.59	.43	2	1.01	.34	-.42	.55	-.76	74	.4500	.5191	-1.14	33	@448
5	.59	.43	3	.93	.41	-.34	.60	-.56	66	.5765	.2746	-.	33	@448
5	.59	.43	7	1.06	.13	-.47	.45	-1.05	50	.2994	.5693	-.99	33	@448
7	1.06	.13	1	.87	.47	.20	.48	.41	42	.6834	.7355	.10	33	@448
7	1.06	.13	2	1.01	.34	.06	.36	.15	124	.8786	.5851	.00	33	@448
7	1.06	.13	3	.93	.41	.14	.43	.32	64	.7532	.9865	.87	33	@448
7	1.06	.13	5	.59	.43	.47	.45	1.05	50	.2994	.5693	.99	33	@448
1	-1.56	.47	2	-1.55	.27	-.01	.54	-.01	57	.9885	.7308	-.11	34	@455
1	-1.56	.47	3	-2.60	.46	1.03	.65	1.58	61	.1185	.6274	.21	34	@455
1	-1.56	.47	5	-1.13	.39	-.43	.61	-.71	54	.4816	.7067	-.47	34	@455
1	-1.56	.47	7	-1.67	.14	.11	.49	.23	44	.8219	.5882	.41	34	@455
2	-1.55	.27	1	-1.56	.47	.01	.54	.01	57	.9885	.7308	.11	34	@455
2	-1.55	.27	3	-2.60	.46	1.04	.53	1.96	80	.0539	.2229	-.46	34	@455
2	-1.55	.27	5	-1.13	.39	-.42	.48	-.89	70	.3774	.6250	-.50	34	@455
2	-1.55	.27	7	-1.67	.14	.12	.31	.38	148	.7014	.7565	.29	34	@455
3	-2.60	.46	1	-1.56	.47	-1.03	.65	-1.58	61	.1185	.6274	-.21	34	@455
3	-2.60	.46	2	-1.55	.27	-1.04	.53	-1.96	80	.0539	.2229	.46	34	@455
3	-2.60	.46	5	-1.13	.39	-1.47	.60	-2.43	67	.0176	.1373	-.69	34	@455
3	-2.60	.46	7	-1.67	.14	-.92	.48	-1.93	64	.0586	.0883	-.12	34	@455
5	-1.13	.39	1	-1.56	.47	.43	.61	.71	54	.4816	.7067	.47	34	@455
5	-1.13	.39	2	-1.55	.27	.42	.48	.89	70	.3774	.6250	.50	34	@455

5	-1.13	.39	3	-2.60	.46	1.47	.60	2.43	67	.0176	.1373	.69	34 @455
5	-1.13	.39	7	-1.67	.14	.54	.42	1.30	55	.1989	.1374	1.04	34 @455
7	-1.67	.14	1	-1.56	.47	-.11	.49	-.23	44	.8219	.5882	-.41	34 @455
7	-1.67	.14	2	-1.55	.27	-.12	.31	-.38	148	.7014	.7565	-.29	34 @455
7	-1.67	.14	3	-2.60	.46	.92	.48	1.93	64	.0586	.0883	.12	34 @455
7	-1.67	.14	5	-1.13	.39	-.54	.42	-1.30	55	.1989	.1374	-1.04	34 @455
1	-.43	.42	2	.15	.28	-.58	.50	-1.16	61	.2524	.9882	-.60	35 @457
1	-.43	.42	3	-.39	.34	-.05	.54	-.08	58	.9331	.2327	.47	35 @457
1	-.43	.42	5	-.98	.39	.55	.57	.96	55	.3428	.9576	.00	35 @457
1	-.43	.42	7	-.54	.12	.11	.43	.25	42	.8014	.9180	.18	35 @457
2	.15	.28	1	-.43	.42	.58	.50	1.16	61	.2524	.9882	.60	35 @457
2	.15	.28	3	-.39	.34	.54	.44	1.22	91	.2248	.3630	.80	35 @457
2	.15	.28	5	-.98	.39	1.13	.48	2.35	72	.0214	.0962	.53	35 @457
2	.15	.28	7	-.54	.12	.69	.31	2.27	131	.0251	.2050	.27	35 @457
3	-.39	.34	1	-.43	.42	.05	.54	.08	58	.9331	.2327	-.47	35 @457
3	-.39	.34	2	.15	.28	-.54	.44	-1.22	91	.2248	.3630	-.80	35 @457
3	-.39	.34	5	-.98	.39	.59	.51	1.15	65	.2547	.3455	.00	35 @457
3	-.39	.34	7	-.54	.12	.16	.36	.43	68	.6656	.8264	-.27	35 @457
5	-.98	.39	1	-.43	.42	-.55	.57	-.96	55	.3428	.9576	.00	35 @457
5	-.98	.39	2	.15	.28	-1.13	.48	-2.35	72	.0214	.0962	-.53	35 @457
5	-.98	.39	3	-.39	.34	-.59	.51	-1.15	65	.2547	.3455	.00	35 @457
5	-.98	.39	7	-.54	.12	-.44	.41	-1.07	50	.2884	.2439	.06	35 @457
7	-.54	.12	1	-.43	.42	-.11	.43	-.25	42	.8014	.9180	-.18	35 @457
7	-.54	.12	2	.15	.28	-.69	.31	-2.27	131	.0251	.2050	-.27	35 @457
7	-.54	.12	3	-.39	.34	-.16	.36	-.43	68	.6656	.8264	.27	35 @457
7	-.54	.12	5	-.98	.39	.44	.41	1.07	50	.2884	.2439	-.06	35 @457

Size of Mantel-Haenszel slice: MHSLICE = .010 logits

Category 1 = Asian, Category 2 = Black, Non-Hispanic, Category 3 = Hispanic, Category 4 = American Indian or Alaskan Native (omitted due to a lack of cases, Category 5 = Multiracial, Category 6 = Pacific Islander (omitted due to a lack of cases), Category 7 = White, Non-Hispanic

APPENDIX K
SELECTED TRAILS ITEMS

Appendix K

Selected TRAILS Items

The TRAILS items below are offered as examples of the items that test-takers at each grade level are presented. None of the items in this appendix are proposed for inclusion on the draft tests. Copyright © 2014 Kent State University Libraries.

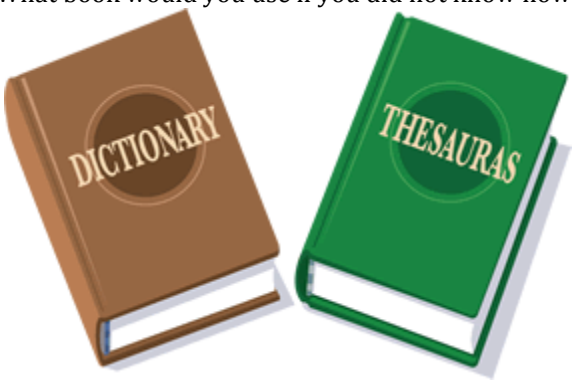
3rd Grade TRAILS Items

581 2. Trails Category: **Develop topic**
21st Cent. Learner Std: **1.1.3**
Common Core: **CC.3.R.I.1**
TRAILS Objective: **Given a series of questions about a topic, students will correctly identify the question that does not address the topic.**
You are learning that all countries have some form of government. Which question below is **not** about the topic of government?
CHOOSE ONE ANSWER.

- What is a democracy?
- Why do we have elections?
- How old must I be to vote?
- Where is Washington D.C.?

730 **6.** Trails Category: **Identify potential sources**
21st Cent. Learner Std: **1.1.4**
Common Core: **CC.3.W.8, CC.3.R.I.7**
TRAILS Objective: **Given a research question and a set of four resources, the learner will correctly identify the resource needed to answer the research question.**

What book would you use if you did not know how to spell the plural of box?



CHOOSE ONE ANSWER.

- A dictionary
- An encyclopedia
- An atlas
- A thesaurus

6th Grade TRAILS Items

203 **2.** Trails Category: **Develop topic**
21st Cent. Learner Std: **1.1.3**
Common Core: **CC6-8WH/SS/S/TS7, CC.6.W.7**
TRAILS Objective: **Given four groups of topics arranged in various orders, the learner will select the group that is correctly organized from the broadest topic on the left to the narrowest topic on the right.**
You are assigned a research project on animals. You need to narrow the topic. Which group below begins with the broadest topic and then moves to the narrowest topic at the end?
CHOOSE ONE ANSWER.

- mammals, wild cats, animals, lions
- animals, mammals, wild cats, lions
- lions, wild cats, animals, mammals
- animals, mammals, lions, wild cats

612 **7.** Trails Category: **Identify potential sources**
21st Cent. Learner Std: **1.1.4**
Common Core: **CC6-8WH/SS/S/TS7, CC6-8WH/SS/S/TS8, CC.6.W.7, CC.6.W.8**
TRAILS Objective: **Given a list of information resources, the learner will correctly identify all sources that could be use for a research project.**
You need to make a diorama of the Egyptian pyramids. Which resource would be the most helpful to learn about the construction of the Egyptian pyramids?
CHOOSE ONE ANSWER.

- An online journal of a tourist who spent a month exploring the pyramids
- An Egyptian government website that shows photos and videos of the pyramids
- A poetry database about ancient civilizations

9th Grade TRAILS Items

24 **5.** Trails Category: **Develop, use, and revise search strategies**
21st Cent. Learner Std: **1.1.8**
Common Core: **CC.9-10.W.8**
TRAILS Objective: **Given a list of words and a sample topic, the learner will correctly identify the Boolean operator that will allow him/her to search for a topic that has multiple keywords.**
If you wanted to search for a topic that has several parts, such as nutrition for pregnant women, which search operator would you use?
CHOOSE ONE ANSWER.

- adj
- and
- near
- not
- or

625 **4.** Trails Category: **Develop, use, and revise search strategies**
21st Cent. Learner Std: **1.1.8**
Common Core: **CC.9-10.W.8**
TRAILS Objective: **Provided with its definition and an example, the learner will select the correct term, *truncation*, to match to the definition.**
Using a symbol such as *, #, or $ in the middle or at the end of a search term (example: racis$) so that variations of the term (examples: racism and racist) will be retrieved in your search is known as:
CHOOSE ONE ANSWER.

- Annotation
- Indexing
- Paraphrasing
- Truncation

12th Grade TRAILS Items

336 **2.** Trails Category: **Develop topic**
21st Cent. Learner Std: **1.1.3**
Common Core: **CC11-12WH/SS/S/TS7, CC.11-12.W.7**
TRAILS Objective: **Given a student created research question and additional information found during the research process, the student will be able to modify the research question and extend the investigation by choosing the one answer that best modifies the original question**
A student began an investigation about the use of cell phones in school. The research focused on arguments against the use of cell phones because of their distractive nature. While doing research, the student found information about the use of cell phones as a student response tool in the classroom. The student would now like to change the focus of the research paper. Choose the answer that best reflects the new focus of this student's research.
CHOOSE ONE ANSWER.

- 1. Cell phones create too much distraction in the classroom.
- 2. Cell phones are a good educational tool.
- 3. Cell phones can be used by classroom teachers as a student response tool.
- 4. Student cell phone use in the classroom is increasing.

348 **9.** Trails Category: **Identify potential sources**
21st Cent. Learner Std: **1.1.4**
Common Core: **CC.11-12.W.8**
TRAILS Objective: **Given lists of sources for locating information about a topic, the learner will identify the ones that will be most helpful in meeting the information need.**

In economics, students use virtual money to invest in a stock market simulation project. Students use investment information to make wise investment decisions. Each student works independently with the goal to earn the most through the stock market simulation investments. The winner receives a prize. If you were trying to win the stock market simulation, what sources would you consult for investment information and tips?

CHOOSE ONE ANSWER.

- Local newspaper, online business journal, business research database.
- Local newspaper, business journal, a book on the stock market.
- A bank employee who is a family friend, business research database, a book on the stock market.

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