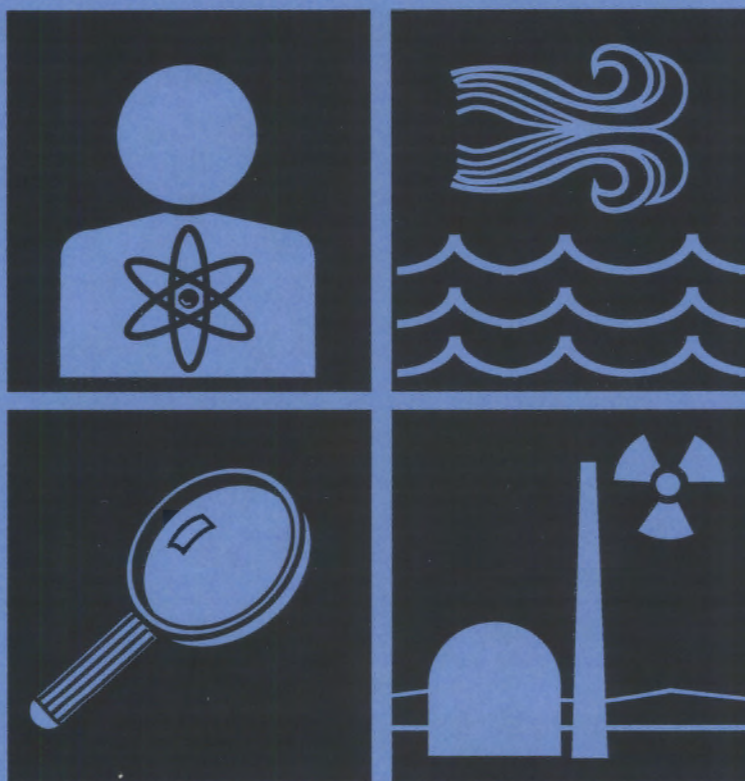


Estimation of Food Consumption

J. M. Callaway, Jr.

April 1992



Prepared for the Technical Steering Panel

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ESTIMATION OF FOOD CONSUMPTION

Hanford Environmental Dose
Reconstruction Project

J. M. Callaway, Jr.

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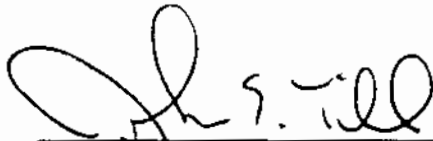
Prepared for the
Technical Steering Panel

Pacific Northwest Laboratory
Richland, Washington 99352

ESTIMATION OF FOOD CONSUMPTION

April 1992

This document has been reviewed and approved by the
Technical Steering Panel.



John E. Till, Chair
Technical Steering Panel

March 12, 1992

Date

PREFACE

This report summarizes the food consumption estimates of Phase I of the Hanford Environmental Dose Reconstruction (HEDR) Project. These estimates were used to develop preliminary dose estimates.

PROJECT OBJECTIVES

Phase I of the HEDR Project had several objectives. Foremost among these was to determine whether sufficient information exists or could be reconstructed from incomplete records to enable a dose reconstruction study to proceed. A second objective was to design conceptual and computational models specifically to deal with uncertainties in the dozens of variables needed to estimate doses to offsite populations. The final objectives were to determine whether the data and models were sufficient to enable credible doses to be estimated and to compare HEDR doses with previously published dose estimates. In summary, Phase I was a pilot or demonstration phase. The Phase I preliminary dose estimates, which were calculated to demonstrate the feasibility of reconstructing doses, will definitely change as input and model structures are refined in later phases.

It is also important to note that the objectives of the HEDR Project do not include estimating risk or extrapolating to health effects that might have resulted from radiation exposures. A related epidemiological study, the Hanford Thyroid Disease Study, is being conducted for the Centers of Disease Control (CDC) by the Fred Hutchinson Cancer Research Center. This study will seek to determine whether there is increased thyroid disease from exposures to iodine-131 releases during the early years of Hanford Site operation.

OBJECTIVES OF THIS REPORT

This report was prepared to describe the results of searching for, evaluating, processing, and/or reconstructing the data needed for the feasibility study (Phase I). The report is intended as a demonstration of feasibility and not as a definitive, technical treatise on Hanford data; computer models; or regional demographic, agricultural, or lifestyle patterns.

Only enough information to demonstrate feasibility was developed, analyzed, and documented in this report.

SUBSEQUENT-YEAR OBJECTIVES

In the remainder of the project, scientists will identify and minimize errors and shortcomings of Phase I work, including the work reported herein. Scientists will evaluate and enhance the Phase I data and apply improved computer models; evaluate uncertainties in data and models; establish geographic areas, radionuclides, and pathways of interest; support the Hanford Thyroid Disease Study; and carry out activities that will result in better dose estimates for specified populations and for individuals.

The term "Phase I" is used in this report to refer to the first of four phases originally planned for the project. Phase I ended in July 1990. In February 1991, the TSP decided to shift the project planning approach away from phases--which were centered around completion of major portions of technical activities--to individual fiscal years, which span October of one year through September of the next. Therefore, activities that were previously planned for one of the three remaining phases are now designated to occur in one or more of the next several fiscal years.

FUTURE DOCUMENTATION

Much of the HEDR documentation is yet to be produced. The scope, level of detail, level of peer review, and mode of publication for each document will be defined during task planning. It is expected that documents will fall into one of four categories:

- summary documents intended primarily for the non-technical lay reader
- summary documents intended primarily for the general technical reader
- detailed topical documents intended primarily for the technical peer reviewer (e.g., refereed technical journals)
- letter reports to transfer information among HEDR tasks or related projects or to provide information to the TSP or its subcommittees.

The intention is to provide information for readers with all levels of interest.

PROJECT DIRECTION, QUALITY ASSURANCE, AND COMMENT INCORPORATION

The HEDR Project is directed by an independent Technical Steering Panel (TSP) of scientists and representatives of the states of Oregon and Washington, of regional Native American Tribes, and of the public. The TSP's charter is to direct, review, evaluate, and approve all HEDR Project work. The work described here was conducted by Battelle staff at the Pacific Northwest Laboratory. The U.S. Department of Energy funded Phase I of the project, but provided no technical direction, oversight, or review. Beginning in mid-1992, Battelle will continue dose reconstruction activities under contract to the Centers for Disease Control, which will fund HEDR and TSP work. The TSP will continue to provide technical direction for the project.

The work described in this report was conducted in accordance with the requirements of ANSI/ASME NQA-1 1986 Edition, Quality Assurance Program Requirements for Nuclear Facilities, as interpreted by the PNL Quality Assurance (QA) program.

Appendix D is a record of TSP comments and Battelle's responses to those comments; the TSP has reviewed and approved Battelle's responses. The comment numbers appear in this document in the left margin next to the paragraphs in which the corresponding comments are addressed. Any text that has been changed is shown in italics. In addition to changes to address TSP comments, some text has been changed for correction of errors and for further clarification.

A principal concern of TSP reviewers referred to lack of information presented describing the actual distributions of food intake by the various population subgroups. The Phase I food consumption report represents a first or preliminary attempt to estimate the likely food intake trends and patterns of individuals in the 10-county study region. The final report, due in FY 1993, will build on the methods developed for the Phase I work. Many of the TSP comments on the Phase I report will be addressed in a methodology letter report due in mid-1992, and in the FY 1993 final report. In summary, the objectives of the Phase I effort have been satisfied, and further extension of the methodology will be required to satisfy TSP reviewers.

SUMMARY

The research reported in this document was conducted as a part of the Hanford Environmental Dose Reconstruction (HEDR) Project. The objective of the HEDR Project is to estimate the radiation doses that people could have received from operations at the Hanford Site. Information required to estimate these doses includes estimates of the amounts of potentially contaminated foods that individuals in the region consumed during the study period. In that general framework, the objective of the Food Consumption Task was to develop a capability to provide information about the parameters of the distribution(s) of daily food consumption for representative groups in the population for selected years during the study period. This report describes the methods and data used to estimate food consumption and presents the results developed for Phase I of the HEDR Project.

Several different methodologies and databases were reviewed and critically evaluated to determine the approach best-suited to achieve the objective of this task. Rather than try to "predict" food consumption using multivariate regression models, it was decided to use a descriptive approach. This approach involves dividing sample data on individual food consumption into cells corresponding to selected population characteristics and then characterizing the important parameters of the food intake distribution(s) in each cell. To accomplish this, 1977-78 survey data on individual food consumption for about 36,100 individuals in the United States were used to estimate the means, variances, and covariances of the joint distribution of daily food intake for eleven broad food groups, by season, for individuals based on their age, sex, and urban/rural status. National time series data on per capita consumption for each broad food category were used to adjust these intake estimates backwards in time to target years of interest: 1945 and 1965. These parameter estimates were provided for use in the Environmental Pathways and Dose Estimation Task to estimate doses to individuals and to bound these dose estimates with appropriate confidence intervals.

This report focused on the food consumption estimates for the two most radiologically important foods, green leafy vegetables and milk. The main results from the analysis can be summarized as follows:

- Consumption of both foods within all of the population groups is characterized by a relatively high degree of variability.
- Consumption of green leafy vegetables appears to increase as a function of age; it is higher in the spring than in other seasons; and it is somewhat lower in rural than urban areas.
- Milk consumption does not show any seasonal pattern; and it is much higher for males and for people under 20.

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INTRODUCTION

The Hanford Environmental Dose Reconstruction (HEDR) Project is estimating radiation doses from past operations at the U.S. Department of Energy's (DOE) Hanford Site near Richland, Washington. The project was initiated in response to public concerns about potential health effects from Hanford operations. The HEDR Project is conducted by staff at the Pacific Northwest Laboratory (PNL) under the direction of an independent Technical Steering Panel (TSP). The TSP makes major project decisions and reviews, evaluates, and approves all project reports. The DOE funds the work but provides no technical direction or oversight.

The project is being conducted in phases. The primary purpose of Phase I is to develop and demonstrate the comprehensive set of computer models that will be used to calculate radiation doses. To perform a valid test of the models, it is necessary to develop preliminary radiation dose estimates. To simplify this activity, the geographic area, time frame and radionuclides being considered have been limited. In Phase I, preliminary radiation dose estimates will be developed for a ten-county area around Hanford. Doses from radiation releases to the air will be estimated only for iodine-131 for the time period 1944 to 1947. Doses from releases to the Columbia River will be calculated for the time period 1964 to 1966. Preliminary data is being used in the models to develop these estimates and test the calculational procedure. The results of the Phase I work will be used in Phase II to determine which models and data need to be improved to develop final radiation dose estimates later in the project.

People who lived near Hanford could have been exposed to radioactive materials in several ways. One of the most important mechanisms for the types of materials released from Hanford is by consumption of food products that contain these materials. To develop estimates of the radiation exposure people might have received from this pathway, it is necessary to have information about the amounts of various types of food consumed by people living near Hanford.

This report describes the food consumption estimates that were developed for Phase I of the HEDR project. Food consumption estimates have been developed for people living in both rural and urban areas. Because consumption patterns vary significantly by age and sex, estimates have been developed for males and females in several age categories. Even within these groups, consumption can vary substantially from individual to individual. To account for this variation, standard deviations have been developed in addition to estimates of the mean amount of each food consumed by people in each demographic group. Estimates have been made for each of the two time periods being considered in Phase I. Estimates have been made for 1945 to represent the consumption patterns during the 1944 to 1947 time period. Estimates have been made for 1965 to represent the consumption patterns between 1964 and 1966. Food consumption estimates for other time periods may be made in later phases of the project. The methods and data will be refined if more precise estimates are needed to reduce uncertainties in the results of the project.

DATA AND TECHNICAL APPROACH

This section briefly describes the different approaches that can be used to estimate food consumption and reviews the rationale for selecting the approach ultimately used in this research. The section then goes on to describe in much greater detail the databases and technical approach used to estimate the food consumption distributions.

ALTERNATIVE METHODS

There are essentially two broad methods that can be used to estimate food consumption. The first approach involves using multivariate regression models to "backcast" food consumption for selected population groups. This approach consists of four basic steps, as follows. First, data on the food consumption and selected social, economic, and demographic characteristics of individuals in one or more cross-sectional samples are collected. Second, multivariate regression techniques are used to estimate the parameters of a model that relates individual consumption of a specific food to the selected social, economic, and demographic characteristics. This is repeated for each food of interest. Third, the regression model is used to backcast food consumption for specific groups by evaluating the model based on information from local sources about the values of the selected social, economic, and demographic variables for specific groups in the population. Finally, the uncertainty about these estimates is characterized by using the estimation results from step two to generate forecast errors about the consumption estimate.

The second broad type of approach is descriptive. This approach also consists of four steps. The first step is almost identical to that in the previous methods: one must locate a relevant source of data on individual food consumption, including information about selected social, economic, and demographic characteristics of individuals. Second, the data in the sample are divided into cells corresponding to different population groups, which are identified in terms of the selected characteristics. For example, the consumption data can be broken down by age, sex, and location so that each

cell represents a specific age, sex, and locational category in the population (e.g., males, less than 1 year in the north). Third, the parameters of the food consumption distributions in each cell are estimated. Assuming, for simplicity here, that the food consumption distribution of each food in a cell is independent of the other foods in the cell, this step would involve estimating the mean and standard deviation of the distribution of each food associated with the population characteristics in the cell. Uncertainty about food consumption can then be characterized in the last step by forming confidence intervals about the food consumption means for each population group.

After reviewing the two approaches, the descriptive approach was ultimately selected to develop Phase I food consumption estimates. This decision was based on the following consideration. The first approach is used most often to test hypotheses about the relationship between individual food consumption and its determinants. Infrequently, it is used to predict food consumption. The reason for this is that the predictive ability of most food consumption models, estimated on cross-sectional data, is fairly poor. In that case, the method can lead to the introduction of large errors in the forecast values due to the poor explanatory power of the regression model.

However, this source of uncertainty is not present in the descriptive approach in which the uncertainty being characterized is due solely to sample variation in food consumption, which reflects the real variation in food consumption in the underlying population. The regression model approach is preferred when the model can explain (i.e., determine) much of this variation; however, when the variation in food consumption is largely random then the latter approach is preferred, other things being equal. In some situations -- where food consumption is perfectly random and the distribution of random errors in consumption is the same across all population groups -- the two approaches are identical. However, the latter assumption does not tend to be satisfied in food consumption data. Given the poor predictive capability of regression models in this context, the relatively large source of random variation in food consumption, and differences in the food consumption distributions across population groups, the descriptive approach was selected.

To employ the descriptive approach, one must have data on individual food consumption which directly reflects, or can be adjusted to reflect, the food consumption of individuals who may have been exposed to radiation from Hanford operations. There are basically three ways to obtain these data: 1) use estimates from the study area recorded during the period of interest; 2) ask people who lived in the area at the time to estimate their food intake during the period of interest; and 3) use estimates from surveys of intake in other places and/or other periods of time and then adjust these estimates to reflect differences in food intake between the survey population and the population in the study area during the period of interest.

The first approach suggested above cannot be supported by existing data for all foods. All potential sources of food consumption estimates developed specifically for the population (or segments of it) in the study area during the period 1940 to 1965 were reviewed. Estimates of food consumption by school-aged children in Richland in the 1960s were developed by Soldat and Honstead (1968). However, these estimates were gathered for only a small number of foods and were reported in units of measure, such as servings/day and meals/day, which may be subjective and are difficult to aggregate across foods. Estimates of fish consumption for Columbia River fish were also reported by Honstead et al. in *Appendix C*. This study served as the basis for estimating average daily fish consumption.

The second alternative involves asking people who lived in the study area during the period of interest how much they ate. To address this approach, the preliminary results from a survey of Utah residents, who were asked to reconstruct their food intake histories during the 1950s, was reviewed. Their responses were compared with published estimates of individual food intake for the nation as a whole during the 1950s and also for the 1970s. From this analysis, two tentative conclusions about the validity of this approach were reached: 1) estimates of mean food intake reported by the Utah group were closer to the national estimates for 1970 than for 1950 and 2) the variability in food consumption reported by the Utah group was very large. Individuals in the Utah group appeared to be using their current food consumption as an

estimator of their historical consumption. This information suggested that, given the very high cost of conducting a local survey, this activity was not accurate enough to justify the expense during Phase I.

Therefore, a decision was made to employ the third approach for Phase I. This approach involved using national survey data to estimate individual food intake and then using other data sources to adjust these estimates to better fit the population in the study area during the period of interest. In later phases, if warranted, a survey of local residents may be conducted to identify significant lifestyle patterns that have influenced individual food intake. Estimates of food intake from Phase I could then be adjusted to reflect these patterns.

DATA

Three potential data sources for estimating food intake were identified. One of these by Honstead et al. (*Appendix C*) consisted of two surveys of local (i.e., Tri-Cities) residents in 1965 to estimate their consumption of Columbia River fish. The first survey was focused on fishermen who were actually fishing at designated locations on the Columbia River. The purpose of this survey was to determine how many fish were caught and consumed by fishermen. The second was a household survey, which was broken down into households with and without members with fishing licenses. This survey was used to estimate local catch rates (like the first study) and to determine the proportion of the non-fishing households which consumed fish caught in the Columbia River. Thus, it was possible to provide two estimates of consumption of Columbia River fish as reported by a) fishermen who were actually fishing, and b) license holders in their homes.

The other two data sets are the 1965-66 and the 1976-77 National Food Consumption Surveys (NFCS) prepared by the U.S. Department of Agriculture (USDA). While the NFCS goes back at least as far as the mid-1940s, the individual intake data from these surveys has been destroyed and only the published data for these surveys exist. Unfortunately, the food intake estimates that are contained in these published data are too highly aggregated to be of much use in the HEDR Project.

The individual intake survey of the 1966 NFCS contains about 12,000 individuals, nation-wide. This survey was conducted during the spring of 1966. The individuals in this survey responded to a series of demographic questions about their age, sex, and household status, and also supplied information about their occupational and economic status. The respondents were then asked to record the foods they ate and the amounts they consumed on a single day. The 1977 NFCS individual intake survey consists of the responses of approximately 36,100 individuals. They were asked to record their own food intake histories over a three-day period during four different seasons of the year from April 1977 through March 1978. The result is a database that contains demographic and economic information on each individual and a detailed listing of the types and amounts of foods these individuals consumed over a three-day period. This information is available for each season of the year.

- 9 The 1977 NFCS was selected as the basis for obtaining estimates of food consumption for this task for essentially two reasons. First, the 1977 food intake data were collected over a three-day period rather than over a single day as was the case in 1966. While both surveys should yield reliable estimates of mean daily food intake, the variance of food intake will be much higher with the shorter period of observation since people do not eat the same foods every day. By adding two additional days of observed food consumption, the number of zero values (i.e., no consumption) for the intake of specific foods is reduced and this variability decreases. Thus, the 1977 data were judged to provide a sounder statistical basis for approximating mean daily food intake over the longer term.

Second, the 1977 NFCS data is available for four seasons, while the 1966 NFCS covers a single season, late spring. This distinction is important because of the seasonal nature of food intake for some foods - primarily fruits and vegetables. As it is structured, the 1966 NFCS cannot be used to determine if there are significant differences in seasonal food consumption. Thus, a dose estimate based on food consumption in May might not be

appropriate if a specific release occurred in the winter and the relevant contamination pathway involved the consumption of a food category with marked seasonal variation.

METHODOLOGY

As discussed above, separate methods were used to develop estimates of Columbia River fish consumption and food consumption distributions for all other foods. These methods are described here.

Columbia River Fish

The procedures used to estimate the parameters of average daily fish consumption were as follows. First, the estimated means and variances of average daily fish consumption from Honstead et al. (*Appendix C*) were reviewed. The estimate of average daily consumption of Columbia River fish by onsite anglers was 2.8 gm/day per person, while the corresponding average calculated from the household survey was 8.3 gm/day per person. The household survey average was selected, based on the rationale that this represented an upper limit on average daily fish consumption.

The second step involved adjusting both the mean (8.3 gm/day) and standard deviation (6.95 gm/day) of average daily consumption of Columbia River fish by the ratio of U.S. per capita fish consumption in the three target years, 1965, 1955, and 1945, to per capita fish consumption in 1965. Estimates of per capita fish consumption were obtained from Agricultural Statistics (U.S.D.A. 1985, 1975, 1965) and U.S. Food Consumption (U.S.D.A. 1965). This adjustment assumes that: a) the percent change in the average daily consumption of Columbia River fish from 1945 to 1965 was proportional to the U.S. average and b) the ratio of average daily consumption of Columbia River fish to the standard deviation of daily Columbia River fish consumption was constant over the period.

By applying this adjustment, estimates of the mean and standard deviation of daily Columbia River fish were produced for 1965, 1955 and 1945. These estimates were fixed over the entire population, in the sense that they did not vary by age, sex, urbanization, etc.

All Other Foods

The relevant parameters of the food consumption distributions for all foods, except fish, for the two study periods involved the nine steps depicted in Figure 1. The first step in the analysis consisted of dividing F1(side) the individuals in the NFCS into two regional groupings: 1) the United States minus individuals in the South, Hawaii, and Alaska, and 2) the western United States, including the Rocky Mountain and Pacific regions. It should be noted that Group 2 is a subset of Group 1. The sample was divided this way to allow comparisons of the food consumption estimates between these two regional groupings.

The second step in the analysis involved categorizing the more than 3500 individual foods in the 1977 NFCS into eleven^(a) broad food groups as determined by the Environmental Pathways and Dose Estimation Task. The aggregate food groups, not including fish, are

- | | |
|--------------------|--------------------------|
| • milk | • grains |
| • stored milk | • beef, pork, lamb, etc. |
| • leafy vegetables | • poultry |
| • other vegetables | • shell fish |
| • local fruit | • all other foods. |
| • eggs | |

The individual foods in the 1977 NFCS were recoded into these 11 food groups in two stages. First, an existing food classification scheme, developed by Nelson and Yang (1984) to assess radionuclide intake, was used to break the large number of individual foods in the NFCS down into 44 categories. These categories were reviewed by staff from the Environmental Pathways and Dose Estimation Task to assess their appropriateness to the HEDR

(a) Average daily consumption was estimated for 10 HEDR food groups and a residual group (e.g., all other foods not included in the HEDR analysis) from the 1976-77 NFCS in this step. As stated above, fish consumption was estimated using local data on Columbia River fish consumption, not NFCS data.

study and to assist in further reducing the number of categories from 44 to 11. Second, foods were recoded from the scheme developed by Nelson and Yang into the 11 food categories shown above. These final categories were reviewed by members of the TSP and the coding scheme was modified in several cases according to their recommendations.

The third step involved dividing each of the four seasonal samples of individuals in the two parallel regional groupings into 36 groups, based on age (6 groups), sex (3 groups), and urbanization (2 groups). The age groupings employed in the analysis were as follows: 1) $0 < \text{age} < 1$, 2) $1 < \text{age} < 5$, 3) $5 < \text{age} < 10$, 4) $10 < \text{age} < 15$, 5) $15 < \text{age} < 20$, 6) $\text{age} > 20$. Three sex groups were identified: 1) male, 2) female, and 3) nursing mothers. The two urbanization categories were 1) urban and 2) rural.

The fourth step involved constructing estimates of daily food consumption for each individual in the 1977 NFCS by aggregate food group. This involved summing the food consumption (in grams) in each food group over the total number of days for which the consumption of a food was reported. Total consumption over the one- to three-day period was then divided by the number of days for which consumption of that food was reported. This was done for all foods. The result was a measure of daily food consumption by each individual in the survey. Individual daily food consumption in the two parallel regional samples can be represented simply as:

$$X_{ijklm}^r$$

where X = daily food consumption in grams/day

$r = 1, 2$	denotes regional grouping
$i = 1, \dots, 10$	denotes food group
$j = 1, \dots, 4$	denotes season
$k = 1, \dots, 6$	denotes age
$l = 1, \dots, 3$	denotes sex/nursing status
$m = 1, 2$	denotes urbanization.

The fifth step involved estimating the means, standard deviations, and between-food correlation coefficients of daily food consumption for each of the population subgroups by region and season. Estimates were made for consumption of each of the eleven food groups by individuals classified by age, sex, and urbanization. Thus, for any given region and season, this step produced, potentially,^(a) 396 (eleven foods x six age groups x three sex groups x two urbanization categories) means and standard deviations for the distributions of individual food consumption and 36 between-food correlation matrices. When region and season are varied, this number increases to 3168 means and standard deviations and 288 correlation matrices. The results of this step are shown in Appendix A.

The sixth step consisted of reviewing the estimates produced in the previous step and selecting one of the two regional samples for the remainder of the analysis. A decision was made to use the national sample, based on two considerations. First of all, the size of the sample groups, once the food consumption data were broken down by season, age, sex, and urbanization, were much smaller on average in the western sample than in the national sample -- about 1/4 the size. Given the relatively small population group sample sizes in the western sample, differences in estimated mean consumption between the two samples would have been difficult to detect.

Inter-regional comparisons of means for all food groups proved to be analytically intractable, given the large number (e.g., 1584) of paired means from which to derive results. Therefore, we decided to focus on the two most radiologically important foods: green leafy vegetables and milk. This left 96 sets of comparisons between means -- still a large number for establishing meaningful analytical criteria for rejecting one of the two regional samples, based upon mean comparisons. Therefore, we decided to see if there were major differences between the two samples based on systematic trends in consumption between sexes, seasons and across age groups. There did not appear to be any

(a) The actual number of groups is somewhat smaller, since there did not tend to be very many nursing mothers who were not adults.

systematic differences in the two sets of mean consumption estimates for these two foods. Four patterns, in particular, appeared to be common to both samples:

- Green leafy vegetable consumption increased positively with age for males and females, both in rural and urban settings.
- Green leafy vegetable consumption was highest in the spring and about constant in the remaining seasons.
- Milk consumption tended to be highest for infants (<1 yr) of both sexes.
- Milk consumption for males tended to be higher than that for females, beyond infancy.

Therefore, given the advantage of larger sample sizes in the national sample and apparent similarities in important consumption trends across the two samples, it was decided to use the national sample in the remaining steps of the analysis. The data from the 1977 NFCS for both samples, including the means, standard deviations, and between-food correlation coefficients, are shown in Appendix A.

In the seventh step the residual food group was replaced with Columbia River fish consumption^(a) and each of the estimated means and standard deviations in the larger national sample of daily food consumption was adjusted by the ratio of U.S. per capita food consumption (for the appropriate food group) in the two target years, 1965 and 1945, to per capita food consumption in 1977.^(b) These ratios are shown in Table 1. Estimates of per capita food

(a) Columbia river fish consumption was assumed to be uncorrelated with the consumption of other foods.

(b) The years 1945 and 1965 were selected as target years to reflect food consumption for the periods 1944-1947 and 1964-1967, respectively.

TABLE 1. Ratio of National Per Capita Food Consumption in 1965 and 1945 to 1977 (i.e., 19xx/1977) for HEDR Food Groups

<u>Food</u>	<u>1965</u>	<u>1945</u>
Beef/Meat	0.8844	0.8397
Poultry	0.7578	0.4679
Leafy Veg.	1.0057	1.5536
Other Veg.	1.0057	1.5536
Eggs	1.1536	1.4029
Grains	1.0286	1.4357
Local Fruit	1.0772	1.6613
Shell Fish	0.8256	0.6919
Milk	1.2428	1.6420
Stored Milk	0.5854	0.4085
Col. R. Fish	0.8256	0.6919

consumption used in this table were obtained from Agricultural Statistics (U.S.D.A. 1985, 1975, 1965) and U.S. Food Consumption (U.S.D.A. 1965). This adjustment was identical to the one performed for fish, except that the adjustment ratios were specific to the food group. As was true above, use of this approach assumes that: a) the per cent change in the average daily consumption of food from 1945 to 1965 was proportional to the U.S. average and b) the ratio of average daily consumption of food to the standard deviation of daily food consumption was constant over the period. For any given year (i.e., 1945 or 1965) this step resulted in, potentially,^(a) 1440 sets of estimated means and standard deviations for the distributions of daily food consumption.

Consumption of different foods by individuals may be correlated. Under this condition, the variability in food consumption can be expressed in terms of the variance-covariance matrix of the joint distribution of food consumption by individuals with similar characteristics. To represent this variability, the variance-covariance matrices for the joint distributions of daily food consumption (across the eleven foods) were constructed in step eight for 1945 and 1965. For any given target year, this matrix expresses the

(a) The word "potentially" is used to express the maximum number of estimates. In fact, nursing mothers occurred in only one age group, thus reducing the actual total to 1040 sets of means and standard deviations.

covariation in food consumption among the eleven food groups, broken down by season, and by age, sex, and urbanization category. Thus, for a single year, there are, potentially,^(a) 144 variance-covariance matrices (four seasons x six age groups x three sex groups x two urbanization categories).

The final step of the analysis consisted of adding the variance of daily fish consumption from the local survey to each of the variance-covariance matrices constructed in the previous step. Fish consumption was assumed to be independent of the consumption of other foods. Thus, each final variance-covariance matrix is a symmetric 11 by 11 matrix, with the variances of daily consumption for the 11 food groups on the diagonal and the corresponding covariances on the off-diagonal. The last (i.e., 11th) food is fish; therefore, each matrix is bordered by zeros, with the variance of fish consumption located as the last element on the diagonal.

The information given to the Environmental Pathways and Dose Estimation Task consisted of the following:

- Mean daily food consumption broken down by ten food groups and four seasons for individuals in six age classes, three sex/nursing status groups, and two urbanization categories.
- Standard deviation of daily food consumption broken down by ten food groups and four seasons for individuals in six age classes, three sex/nursing status groups, and two urbanization categories.
- Variance-covariance matrix of the joint distribution of daily food consumption, broken down by four seasons for individuals in six age classes, three sex/nursing status groups, and two urbanization categories.
- The number of observations associated with each joint distribution of daily food consumption, as broken down above.

The results are presented, in detail, in Appendix B.

(a) Adjusting for nursing mothers, there are actually 104 such matrices.

RESULTS

13 At the current time, it appears that the two most important foods from a radiological viewpoint are fresh milk and green leafy vegetables (*Napier 1991*). Both for this reason and for the sake of brevity, the discussion of results in this section of the document is confined to these two foods. The means, standard deviations, and number of observations for the distributions of average daily food consumption for these two foods are shown in Tables 2 through 33.^(a) There are eight tables for each of the four seasons. Each table contains food consumption information for the two foods broken down by six age groups for a given sex (male and female only) and urbanization (urban and rural).

 Perhaps the most obvious feature of the consumption of both foods is that daily consumption is characterized by a relatively high degree of variability as measured by the relative magnitude of estimated mean daily consumption to its standard deviation. In general, the relative variation is greater for green leafy vegetables, where the standard deviation ranges from about 1.2 to 2.5 times the magnitude of the mean. The relative variation of average daily milk consumption is somewhat smaller, but still fairly large. This variation is about the same size as the mean values; for infants it is somewhat smaller. The relatively high degree of variability in the estimated means for the consumption of these two foods is important because it may act to mask real differences. More importantly, this variability should contribute substantially to the uncertainty associated with estimated doses. However, it is unlikely that this variability can be reduced by "better" sampling since the variation in food consumption reflects actual behavior.

 Turning now to green leafy vegetables, it can be seen that the average daily consumption of this food is, in general, fairly small in comparison to milk consumption. This is because green leafy vegetables do not include very

(a) The correlation coefficients between these foods were never significant at the 95% level. Thus, this information is not presented in the following tables. In general, between-food correlations for all foods were not significantly different from zero, at the above confidence level.

many food items in the Environmental Protection Agency (EPA) food scheme, consisting primarily of lettuce, asparagus, broccoli, and assorted types of "greens." It is also clear from the tables that average daily consumption of green leafy vegetables increases as a function of age. Typically, infants consume little or none of this food, while adults consume from around 35 to 85 grams per day depending upon the season and urbanization. Moreover, the tendency for green leafy vegetable consumption to increase with age appears to be very robust and not sensitive to sex or urbanization differences. This should mean that adults face a much greater radiological risk from consuming this food than do infants. However, since these vegetables do not appear to constitute a very large fraction of total intake, the difference in absolute risk may be small.

Two other patterns associated with green leafy vegetable consumption deserve attention because they may not be totally applicable across all years. First of all, green leafy vegetable consumption appears to be highest in the spring. This feature of the data is hard to explain unless it is due to the tremendous growth over the last two decades of early season crops -- such as lettuce -- grown in southern California. Differences in consumption between the remaining three seasons would be hard to detect given the high degree of variability associated with consumption of this food. This is probably due to the greater availability of frozen food in 1977 -- the year on which these estimates are based -- than in the earlier periods, particularly 1945.

The second curious feature of green leafy vegetable consumption is that it tends to be lower in rural areas than in urban areas. This may again be an artifact of the 1977 data that need to be taken into consideration when projecting back into the earlier period.

- 14 Milk consumption patterns are somewhat less obvious than those for green leafy vegetables. Also, there is no obvious seasonality associated with milk consumption. However, at least four points tend to emerge fairly clearly from the results in the tables. We suspect that the estimates are biased upwards for infants because of the way in which the 1977 mean estimates were projected back into the past. Second, milk consumption is much higher for people under twenty than those over this age. On average, those under the age of twenty

drink about twice as much milk as do adults. Third, average daily milk consumption tends to be higher for males than for females.

Finally, the distribution of milk consumption by age also appears to be systematically different across the two sexes. For infants, differences in milk consumption between males and females is hard to detect. For both groups, consumption falls off after the first year. However, for males it appears to remain relatively constant until age twenty, perhaps even increasing by a small amount during the teen-age years. After age twenty, milk consumption by males drops sharply, by about one-half. For females, on the other hand, milk consumption has a tendency to start to taper off in the latter part of the teen-age years and then drop off sharply, in relative terms by as much as male consumption -- about 50%. This pattern appears to be remarkably robust across seasons and urbanization and suggests that age and sex differences in the population will be among the more important features associated with radiological risk.

TABLE 2. Means, Standard Deviations and Number of Observations^(a) for the Distributions of Average Daily Food Consumption for Fresh Milk by Age Group for Urban Males in Winter 1945

<u>Age Group</u>	<u>NOBS</u>	<u>Fresh Milk (grams)</u>
<1	34	955.69 (730.92)
1-4	171	728.64 (418.11)
5-9	209	941.62 (471.49)
10-14	194	1056.11 (589.14)
15-19	212	1019.00 (650.91)
>20	777	455.51 (466.00)

(a) Standard Deviations in parentheses; NOBS = Number of Observations.

TABLE 3. Means, Standard Deviations and Number of Observations^(a) for the Distributions of Average Daily Food Consumption for Fresh Milk by Age Group for Urban Females in Winter 1945

<u>Age Group</u>	<u>NOBS</u>	<u>Fresh Milk (grams)</u>
<1	48	972.08 (143.44)
1-4	143	780.82 (409.89)
5-9	219	910.30 (386.90)
10-14	223	800.38 (374.83)
15-19	205	663.33 (462.21)
>20	1108	318.10 (314.18)

(a) Standard Deviations in parentheses; NOBS = Number of Observations.

TABLE 4. Means, Standard Deviations and Number of Observations^(a) for the Distributions of Average Daily Food Consumption for Fresh Milk by Age Group for Rural Males in Winter 1945

<u>Age Group</u>	<u>NOBS</u>	<u>Fresh Milk (grams)</u>
<1	15	929.71 (534.13)
y1-4	62	741.22 (487.10)
5-9	76	1039.14 (449.23)
10-14	111	1085.08 (574.94)
15-19	103	1064.31 (645.24)
>20	317	498.41 (466.33)

(a) Standard Deviations in parentheses; NOBS = Number of Observations.

TABLE 5. Means, Standard Deviations and Number of Observations^(a) for the Distributions of Average Daily Food Consumption for Fresh Milk by Age Group for Rural Females in Winter 1945

<u>Age Group</u>	<u>NOBS</u>	<u>Fresh Milk (grams)</u>
<1	23	946.53 (778.87)
1-4	55	727.30 (407.54)
5-9	90	898.72 (425.44)
10-14	100	827.44 (406.69)
15-19	93	628.92 (487.44)
>20	373	362.74 (324.24)

(a) Standard Deviations in parentheses; NOBS = Number of Observations.

TABLE 6. Means, Standard Deviations and Number of Observations^(a) for the Distributions of Average Daily Food Consumption for Fresh Milk by Age Group for Urban Males in Winter 1965

<u>Age Group</u>	<u>NDBS</u>	<u>Fresh Milk (grams)</u>
<1	34	723.41 (553.22)
1-4	171	551.43 (316.49)
5-9	209	712.68 (356.89)
10-14	194	799.24 (445.92)
15-19	212	771.10 (492.61)
>20	777	344.73 (352.71)

(a) Standard Deviations in parentheses; NOBs = Number of Observations.

TABLE 7. Means, Standard Deviations and Number of Observations^(a) for the Distributions of Average Daily Food Consumption for Fresh Milk by Age Group for Urban Females in Winter 1965

<u>Age Group</u>	<u>NOBS</u>	<u>Fresh Milk (grams)</u>
<1	48	735.74 (399.72)
1-4	143	590.92 (310.29)
5-9	219	689.00 (292.89)
10-14	223	605.81 (283.82)
15-19	205	502.14 (349.82)
>20	1108	240.72 (237.81)

(a) Standard Deviations in parentheses; NOBs = Number of Observations.

TABLE 8. Means, Standard Deviations and Number of Observations^(a) for the Distributions of Average Daily Food Consumption for Fresh Milk by Age Group for Rural Males in Winter 1965

<u>Age Group</u>	<u>NOBS</u>	<u>Fresh Milk (grams)</u>
<1	15	703.72 (404.33)
1-4	62	561.00 (368.57)
5-9	76	786.72 (340.00)
10-14	111	820.91 (435.10)
15-19	103	805.20 (488.31)
>20	317	377.33 (353.98)

(a) Standard Deviations in parentheses; NOBs = Number of Observations.

TABLE 9. Means, Standard Deviations and Number of Observations^(a) for the Distributions of Average Daily Food Consumption for Fresh Milk by Age Group for Rural Females in Winter 1965

<u>Age Group</u>	<u>NOBS</u>	<u>Fresh Milk (grams)</u>
<1	23	716.42 (589.62)
1-4	55	550.41 (308.47)
5-9	90	680.21 (322.08)
10-14	100	626.22 (307.84)
15-19	93	476.00 (368.88)
>20	373	274.51 (245.20)

(a) Standard Deviations in parentheses; NOBs = Number of Observations.

TABLE 10. Means, Standard Deviations and Number of Observations^(a) for the Distributions of Average Daily Food Consumption for Green Leafy Vegetables and Fresh Milk by Age Group for Urban Males in Fall 1945

<u>Age Group</u>	<u>Green Leafy Vegetables (grams)</u>	<u>NOBS</u>	<u>Fresh Milk (grams)</u>
<1	0 (0)	28	1006.67 (581.08)
1-4	13.25 (30.11)	164	739.18 (385.17)
5-9	31.86 (47.31)	217	872.90 (388.13)
10-14	41.26 (58.06)	267	1001.67 (467.48)
15-19	54.83 (72.23)	189	1044.37 (738.32)
>20	78.38 (91.69)	680	477.24 (469.83)

(a) Standard Deviations in parentheses; NOBS = Number of Observations.

TABLE 11. Means, Standard Deviations and Number of Observations^(a) for the Distributions of Average Daily Food Consumption for Green Leafy Vegetables and Fresh Milk by Age Group for Urban Females in Fall 1945

<u>Age Group</u>	<u>Green Leafy Vegetables (grams)</u>	<u>NOBS</u>	<u>Fresh Milk (grams)</u>
<1	7.97 (27.58)	34	907.42 (556.76)
1-4	13.28 (23.41)	144	798.08 (430.26)
5-9	35.39 (51.68)	224	819.92 (376.24)
10-14	43.86 (59.22)	269	807.21 (379.68)
15-19	43.80 (61.31)	213	583.61 (398.28)
>20	71.71 (85.18)	1144	337.14 (322.13)

(a) Standard Deviations in parentheses; NOBS = Number of Observations.

TABLE 12. Means, Standard Deviations and Number of Observations^(a) for the Distributions of Average Daily Food Consumption for Green Leafy Vegetables and Fresh Milk by Age Group for Rural Males in Fall 1945

<u>Age Group</u>	<u>Green Leafy Vegetables (grams)</u>	<u>NOBS</u>	<u>Fresh Milk (grams)</u>
<1	6.06 (10.06)	14	873.92 (597.13)
1-4	7.30 (15.18)	77	734.68 (377.62)
5-9	18.47 (29.43)	89	970.13 (404.38)
10-14	29.15 (39.94)	113	1031.76 (556.21)
15-19	30.57 (50.60)	74	1099.46 (724.13)
>20	55.32 (75.83)	263	578.13 (484.86)

(a) Standard Deviations in parentheses; NOBS = Number of Observations.

TABLE 13. Means, Standard Deviations and Number of Observations^(a) for the Distributions of Average Daily Food Consumption for Green Leafy Vegetables and Fresh Milk by Age Group for Rural Females in Fall 1945

<u>Age Group</u>	<u>Green Leafy Vegetables (grams)</u>	<u>NOBS</u>	<u>Fresh Milk (grams)</u>
<1	0 (0)	20	899.33 (510.14)
1-4	6.45 (15.62)	55	644.41 (363.48)
5-9	23.69 (31.49)	87	966.62 (424.66)
10-14	25.28 (42.82)	87	879.91 (495.73)
15-19	33.74 (51.53)	108	776.19 (494.32)
>20	54.00 (70.44)	461	356.61 (387.68)

(a) Standard Deviations in parentheses; NOBS = Number of Observations.

TABLE 14. Means, Standard Deviations and Number of Observations^(a) for the Distributions of Average Daily Food Consumption for Green Leafy Vegetables and Fresh Milk by Age Group for Urban Males in Fall 1965

<u>Age Group</u>	<u>Green Leafy Vegetables (grams)</u>	<u>NOBS</u>	<u>Fresh Milk (grams)</u>
<1	0 (0)	28	761.91 (439.82)
1-4	8.58 (19.49)	164	559.51 (291.54)
5-9	20.63 (30.62)	217	660.68 (293.65)
10-14	26.71 (37.58)	267	758.12 (353.89)
15-19	35.49 (46.75)	189	790.18 (558.76)
>20	50.74 (59.37)	680	361.22 (355.64)

(a) Standard Deviations in parentheses; NOBs = Number of Observations.

TABLE 15. Means, Standard Deviations and Number of Observations^(a) for the Distributions of Average Daily Food Consumption for Green Leafy Vegetables and Fresh Milk by Age Group for Urban Females in Fall 1965

<u>Age Group</u>	<u>Green Leafy Vegetables (grams)</u>	<u>NOBS</u>	<u>Fresh Milk (grams)</u>
<1	5.16 (17.85)	34	686.78 (421.42)
1-4	8.60 (15.16)	144	604.11 (325.54)
5-9	22.91 (33.47)	224	620.61 (284.68)
10-14	28.39 (38.34)	269	611.08 (287.36)
15-19	28.35 (39.68)	213	441.71 (301.54)
>20	46.42 (55.15)	1144	255.20 (243.82)

(a) Standard Deviations in parentheses; NOBs = Number of Observations.

TABLE 16. Means, Standard Deviations and Number of Observations^(a) for the Distributions of Average Daily Food Consumption for Green Leafy Vegetables and Fresh Milk by Age Group for Rural Males in Fall 1965

<u>Age Group</u>	<u>Green Leafy Vegetables (grams)</u>	<u>NOBS</u>	<u>Fresh Milk (grams)</u>
<1	1.92 (7.17)	14	661.42 (451.91)
1-4	4.73 (9.83)	77	556.08 (285.76)
5-9	11.96 (19.05)	89	734.21 (306.14)
10-14	18.87 (25.86)	113	831.52 (548.10)
15-19	19.79 (32.76)	74	831.54 (547.82)
>20	35.81 (49.09)	263	437.62 (366.68)

(a) Standard Deviations in parentheses; NOBS = Number of Observations.

TABLE 17. Means, Standard Deviations and Number of Observations^(a) for the Distributions of Average Daily Food Consumption for Green Leafy Vegetables and Fresh Milk by Age Group for Rural Females in Fall 1965

<u>Age Group</u>	<u>Green Leafy Vegetables (grams)</u>	<u>NOBS</u>	<u>Fresh Milk (grams)</u>
<1	0 (0)	20	680.72 (386.12)
1-4	4.17 (10.14)	55	487.68 (275.08)
5-9	15.34 (20.39)	87	731.58 (321.35)
10-14	16.36 (27.72)	87	666.08 (375.18)
15-19	21.84 (33.36)	108	587.46 (374.11)
>20	34.96 (45.61)	461	268.88 (293.52)

(a) Standard Deviations in parentheses; NOBS = Number of Observations.

TABLE 18. Means, Standard Deviations and Number of Observations^(a) for the Distributions of Average Daily Food Consumption for Green Leafy Vegetables and Fresh Milk by Age Group for Urban Males in Summer 1945

<u>Age Group</u>	<u>Green Leafy Vegetables (grams)</u>	<u>NOBS</u>	<u>Fresh Milk (grams)</u>
<1	1.97 (10.52)	41	1024.86 (608.83)
1-4	13.16 (26.38)	122	724.11 (401.54)
5-9	27.27 (59.83)	179	765.52 (440.83)
10-14	33.45 (48.19)	192	915.71 (539.61)
15-19	44.34 (64.35)	160	988.62 (710.54)
>20	69.87 (87.92)	656	439.52 (477.44)

(a) Standard Deviations in parentheses; NOBS = Number of Observations.

TABLE 19. Means, Standard Deviations and Number of Observations^(a) for the Distributions of Average Daily Food Consumption for Green Leafy Vegetables and Fresh Milk by Age Group for Urban Females in Summer 1945

<u>Age Group</u>	<u>Green Leafy Vegetables (grams)</u>	<u>NOBS</u>	<u>Fresh Milk (grams)</u>
<1	1.06 (5.31)	25	1139.04 (646.17)
1-4	14.62 (22.79)	122	776.71 (403.18)
5-9	25.53 (56.02)	154	796.64 (407.43)
10-14	35.19 (51.47)	210	753.08 (446.81)
15-19	48.11 (69.68)	194	586.44 (463.61)
>20	74.91 (91.71)	923	342.14 (339.13)

(a) Standard Deviations in parentheses; NOBS = Number of Observations.

TABLE 20. Means, Standard Deviations and Number of Observations^(a) for the Distributions of Average Daily Food Consumption for Green Leafy Vegetables and Fresh Milk by Age Group for Rural Males in Summer 1945

<u>Age Group</u>	<u>Green Leafy Vegetables (grams)</u>	<u>NOBS</u>	<u>Fresh Milk (grams)</u>
<1	0.87 (3.56)	17	720.28 (668.82)
1-4	9.90 (23.68)	54	670.28 (373.19)
5-9	25.88 (41.57)	71	834.24 (472.13)
10-14	29.01 (41.22)	110	1033.24 (519.82)
15-19	54.08 (73.17)	66	1011.46 (779.35)
>20	64.49 (86.55)	254	489.08 (488.33)

(a) Standard Deviations in parentheses; NOBS = Number of Observations.

TABLE 21. Means, Standard Deviations and Number of Observations^(a) for the Distributions of Average Daily Food Consumption for Green Leafy Vegetables and Fresh Milk by Age Group for Rural Females in Summer 1945

<u>Age Group</u>	<u>Green Leafy Vegetables (grams)</u>	<u>NOBS</u>	<u>Fresh Milk (grams)</u>
<1	4.41 (17.65)	16	650.22 (597.71)
1-4	8.64 (23.09)	69	747.08 (518.82)
5-9	15.61 (27.93)	98	777.73 (412.01)
10-14	37.88 (46.27)	111	767.64 (455.68)
15-19	33.74 (49.96)	99	526.92 (418.22)
>20	63.73 (83.49)	399	326.44 (306.88)

(a) Standard Deviations in parentheses; NOBS = Number of Observations.

TABLE 22. Means, Standard Deviations and Number of Observations^(a) for the Distributions of Average Daily Food Consumption for Green Leafy Vegetables and Fresh Milk by Age Group for Urban Males in Summer 1965

<u>Age Group</u>	<u>Green Leafy Vegetables (grams)</u>	<u>NOBS</u>	<u>Fresh Milk (grams)</u>
<1	1.28 (6.81)	41	775.68 (460.78)
1-4	8.52 (17.08)	122	548.16 (303.92)
5-9	17.65 (38.73)	179	579.42 (336.58)
10-14	21.65 (31.20)	192	639.10 (408.41)
15-19	28.70 (41.66)	160	748.34 (537.82)
>20	45.23 (56.91)	656	332.73 (361.33)

(a) Standard Deviations in parentheses; NOBS = Number of Observations.

TABLE 23. Means, Standard Deviations and Number of Observations^(a) for the Distributions of Average Daily Food Consumption for Green Leafy Vegetables and Fresh Milk by Age Group for Urban Females in Summer 1965

<u>Age Group</u>	<u>Green Leafy Vegetables (grams)</u>	<u>NOBS</u>	<u>Fresh Milk (grams)</u>
<1	0.68 (3.44)	25	862.00 (489.10)
1-4	9.45 (17.99)	122	587.92 (305.23)
5-9	16.52 (36.27)	154	602.91 (308.27)
10-14	22.78 (33.32)	210	570.08 (338.22)
15-19	31.15 (45.11)	194	443.89 (350.91)
>20	48.49 (59.37)	923	258.92 (256.73)

(a) Standard Deviations in parentheses; NOBS = Number of Observations.

TABLE 24. Means, Standard Deviations and Number of Observations^(a) for the Distributions of Average Daily Food Consumption for Green Leafy Vegetables and Fresh Milk by Age Group for Rural Males in Summer 1965

<u>Age Group</u>	<u>Green Leafy Vegetables (grams)</u>	<u>NOBS</u>	<u>Fresh Milk (grams)</u>
<1	0.56 (2.30)	17	545.22 (506.21)
1-4	6.41 (15.33)	54	507.44 (282.50)
5-9	16.75 (26.91)	71	631.42 (357.82)
10-14	18.78 (26.67)	110	781.78 (393.41)
15-19	34.96 (47.37)	66	765.28 (589.89)
>20	41.75 (56.03)	254	370.21 (369.62)

(a) Standard Deviations in parentheses; NOBS = Number of Observations.

TABLE 25. Means, Standard Deviations and Number of Observations^(a) for the Distributions of Average Daily Food Consumption for Green Leafy Vegetables and Fresh Milk by Age Group for Rural Females in Summer 1965

<u>Age Group</u>	<u>Green Leafy Vegetables (grams)</u>	<u>NOBS</u>	<u>Fresh Milk (grams)</u>
<1	2.86 (11.42)	16	492.10 (452.40)
1-4	5.59 (14.94)	59	565.52 (392.59)
5-9	10.11 (18.08)	98	588.62 (311.81)
10-14	20.64 (29.95)	111	581.00 (344.89)
15-19	21.84 (32.34)	99	398.82 (316.45)
>20	41.25 (54.05)	399	247.04 (232.30)

(a) Standard Deviations in parentheses; NOBS = Number of Observations.

TABLE 26. Means, Standard Deviations and Number of Observations^(a) for the Distributions of Average Daily Food Consumption for Green Leafy Vegetables and Fresh Milk by Age Group for Urban Males in Spring 1945

<u>Age Group</u>	<u>Green Leafy Vegetables (grams)</u>	<u>NOBS</u>	<u>Fresh Milk (grams)</u>
<1	4.83 (21.10)	19	796.14 (643.38)
1-4	18.80 (30.24)	115	742.14 (444.72)
5-9	32.89 (55.73)	143	820.82 (384.69)
10-14	42.37 (61.82)	157	925.51 (567.42)
15-19	63.82 (91.07)	170	1074.41 (698.35)
>20	85.68 (102.41)	1014	448.62 (462.88)

(a) Standard Deviations in parentheses; NOBS = Number of Observations.

TABLE 27. Means, Standard Deviations and Number of Observations^(a) for the Distributions of Average Daily Food Consumption for Green Leafy Vegetables and Fresh Milk by Age Group for Urban Females in Spring 1945

<u>Age Group</u>	<u>Green Leafy Vegetables (grams)</u>	<u>NOBS</u>	<u>Fresh Milk (grams)</u>
<1	0.05 (0.20)	18	750.10 (543.10)
1-4	12.21 (19.84)	85	584.82 (342.28)
5-9	34.28 (47.88)	132	783.00 (392.30)
10-14	39.82 (69.08)	179	794.68 (460.48)
15-19	51.28 (69.08)	165	558.78 (451.56)
>20	82.95 (91.58)	1281	335.06 (338.42)

(a) Standard Deviations in parentheses; NOBS = Number of Observations.

TABLE 28. Means, Standard Deviations and Number of Observations^(a) for the Distributions of Average Daily Food Consumption for Green Leafy Vegetables and Fresh Milk by Age Group for Rural Males in Spring 1945

<u>Age Group</u>	<u>Green Leafy Vegetables (grams)</u>	<u>NOBS</u>	<u>Fresh Milk (grams)</u>
<1	0 (0)	8	766.62 (631.59)
1-4	22.71 (34.55)	52	895.32 (414.62)
5-9	22.73 (34.55)	72	895.33 (414.64)
10-14	27.71 (44.09)	99	951.54 (512.80)
15-19	49.47 (60.31)	84	997.10 (744.89)
>20	72.38 (93.42)	534	498.34 (489.63)

(a) Standard Deviations in parentheses; NOBS = Number of Observations.

TABLE 29. Means, Standard Deviations and Number of Observations^(a) for the Distributions of Average Daily Food Consumption for Green Leafy Vegetables and Fresh Milk by Age Group for Rural Females in Spring 1945

<u>Age Group</u>	<u>Green Leafy Vegetables (grams)</u>	<u>NOBS</u>	<u>Fresh Milk (grams)</u>
<1	0 (0)	14	727.43 (657.92)
1-4	8.17 (21.47)	44	725.54 (360.62)
5-9	27.72 (31.55)	71	838.28 (397.91)
10-14	34.04 (49.21)	79	776.87 (433.54)
15-19	44.71 (68.45)	88	691.17 (533.43)
>20	77.94 (97.33)	608	344.71 (339.78)

(a) Standard Deviations in parentheses; NOBS = Number of Observations.

TABLE 30. Means, Standard Deviations and Number of Observations^(a) for the Distributions of Average Daily Food Consumption for Green Leafy Vegetables and Fresh Milk by Age Group for Urban Males in Spring 1965

<u>Age Group</u>	<u>Green Leafy Vegetables (grams)</u>	<u>NOBS</u>	<u>Fresh Milk (grams)</u>
<1	3.13 (9.78)	19	602.62 (487.00)
1-4	12.17 (19.55)	115	561.73 (336.64)
5-9	21.29 (36.07)	143	621.22 (291.18)
10-14	27.43 (40.02)	157	700.48 (429.47)
15-19	41.33 (58.94)	170	812.78 (528.48)
>20	55.46 (66.28)	1014	339.62 (350.34)

(a) Standard Deviations in parentheses; NOBS = Number of Observations.

TABLE 31. Means, Standard Deviations and Number of Observations^(a) for the Distributions of Average Daily Food Consumption for Green Leafy Vegetables and Fresh Milk by Age Group for Urban Females in Spring 1965

<u>Age Group</u>	<u>Green Leafy Vegetables (grams)</u>	<u>NOBS</u>	<u>Fresh Milk (grams)</u>
<1	0.03 (0.13)	18	567.72 (411.08)
1-4	7.91 (12.84)	85	442.69 (259.14)
5-9	22.21 (31.01)	132	592.58 (296.87)
10-14	25.78 (40.92)	179	601.53 (348.47)
15-19	33.20 (44.73)	165	422.88 (341.84)
>20	53.69 (59.29)	1281	253.62 (256.08)

(a) Standard Deviations in parentheses; NOBS = Number of Observations.

TABLE 32. Means, Standard Deviations and Number of Observations^(a) for the Distributions of Average Daily Food Consumption for Green Leafy Vegetables and Fresh Milk by Age Group for Rural Males in Spring 1965

<u>Age Group</u>	<u>Green Leafy Vegetables (grams)</u>	<u>NOBS</u>	<u>Fresh Milk (grams)</u>
<1	0 (0)	8	588.22 (478.13)
1-4	8.96 (16.48)	52	452.61 (249.82)
5-9	14.69 (22.37)	72	677.62 (313.77)
10-14	17.93 (28.54)	99	724.68 (388.13)
15-19	32.02 (39.04)	84	754.61 (563.83)
>20	46.87 (60.47)	534	377.17 (370.61)

(a) Standard Deviations in parentheses; NOBs = Number of Observations.

TABLE 33. Means, Standard Deviations and Number of Observations^(a) for the Distributions of Average Daily Food Consumption for Green Leafy Vegetables and Fresh Milk by Age Group for Rural Females in Spring 1965

<u>Age Group</u>	<u>Green Leafy Vegetables (grams)</u>	<u>NOBS</u>	<u>Fresh Milk (grams)</u>
<1	0 (0)	14	550.47 (497.93)
1-4	5.29 (13.90)	44	549.13 (272.92)
5-9	17.94 (20.43)	71	634.52 (301.19)
10-14	22.03 (31.85)	79	588.00 (328.13)
15-19	28.94 (44.31)	88	523.13 (403.71)
>20	50.46 (63.01)	608	260.92 (257.18)

(a) Standard Deviations in parentheses; NOBs = Number of Observations.

POSSIBLE NEXT STEPS

The methodology outlined in previous sections of this report may need to be improved in at least two ways. First, if future sensitivity analyses identify consumption of specific foods, such as milk, as significant, it will then become important to learn more about the distribution of milk consumption within individual population groups. Specifically, one needs information about the cumulative distribution functions for key foods to determine what percentage of each group has "high" consumption levels. Given the current information produced by this task, one can simulate the cumulative distribution function via Monte Carlo methods. However, this requires making an assumption about the type of distribution for each food and group. To improve the analysis, the cumulative distribution functions of sampled individuals for key foods and population groups should be plotted; the "best" distribution function can then be fitted to these data.

A second potential improvement consists of backcasting consumption across different population groups. As previously stated, a companion food consumption survey to the 1977 NFCS was conducted in the mid-1960s. It may be possible to use the means and standard deviations of average daily food consumption from this data set as "mid-points" for interpolating from 1977 to 1965 and then from 1965 back to 1945. The most serious problem that may arise in this process is that the food codes in 1965 are not consistent with those in 1977. However, this may not be a serious problem if the analysis is limited to a small number of key foods.

QUALITY ASSURANCE

The work described in this report was conducted in accordance with the requirements of ANSI/ASME NQA-1 1986 Edition, Quality Assurance Program Requirements for Nuclear Facilities, as interpreted by PNL's Quality Assurance (QA) program.

All staff performing work described here are adequately trained and qualified. All procedures used to support this report were appropriately written and controlled in accordance with PNL QA program requirements. Records that support the data in this report were created and stored in accordance with applicable HEDR record control requirements.

This task involved manipulating and performing routine statistical calculations (i.e., means, standard deviations, variance-covariances) on a relatively large data set using standard system software languages. The QA/software plan drawn up for this task required the following actions:

- The command language programs were documented internally so that the procedures could be understood by a competent scientist.
- The command language programs were independently verified by another scientist to ensure that the programs performed the functions spelled out in their documentation.
- The output of all programs was inspected and, where necessary, results checked randomly by hand calculations and verified by another scientist.
- A flow diagram and accompanying text were prepared so that an independent scientist could re-create the results of the project using the same databases.
- The procedures used in this task were reviewed by two scientists who had not worked on the project and who verified that they could perform the analysis given the information provided to them.
- The data tapes received from USDA were assumed to be accurate.

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APPENDIX A

ESTIMATED MEANS, STANDARD DEVIATIONS, AND BETWEEN-FOOD CORRELATION
COEFFICIENTS FOR DAILY FOOD CONSUMPTION-1977

APPENDIX A

ESTIMATED MEANS, STANDARD DEVIATIONS, AND BETWEEN-FOOD CORRELATION COEFFICIENTS FOR DAILY FOOD CONSUMPTION-1977

Appendix A presents information on food consumption for 11 aggregate food consumption groups, broken down by region, season, age group, sex, and urbanization from the 1977 National Food Consumption Survey (NFCS). The data are presented by season and region, in that order, for four seasons and two regions. (The regional samples are contained within each seasonal section). The food consumption information for each season is broken down into a series of 13 by 11 matrices. Above each matrix is information to identify the age, sex, and urbanization category associated with it. The age groups are as follows:

<u>Age Group</u>	<u>Age</u>
1	<1
2	1-4
3	5-9
4	10-14
5	15-19
6	>20

The sex/nursing status is delineated as M = male; F = female; N = nursing mother. Urbanization is delineated as urban = city; rural = rural. The number right below the line containing the above code indicates the number of observations in each matrix. Directly below the number is the 13 by 11 matrix of food consumption information. This matrix is composed of the following food consumption information for the block category:

- Row 1: a 1 by 11 vector of mean daily food consumption in grams/day
- Row 2: a 1 by 11 vector of standard deviations of daily food consumption

- Rows 3 - 13: an 11 by 11 correlation matrix associated with the joint distribution of food consumption for the eleven foods.

The columns in the matrix contain information about food categories. The column order of the food categories is 1) beef/meat, 2) poultry, 3) leafy vegetable, 4) other vegetable, 5) eggs, 6) grains, 7) local fruit, 8) shell fish, 9) milk, 10) stored milk, and 11) all other foods not included in 1-10.

A.1 WINTER

age group 1, sex=M, urban=city

34

26.1 19.41 1.11 112.63 5.08 64.74 54.52 0 582.04 1.67 136.39
 47.8 30.29 6.48 131.08 17.7 100.86 77.94 0 445.12 8.13 248.98
 1 0.478 -0.096 -0.056 -0.041 0.025 0.185 NA 0.213 -0.064 0.201
 0.478 1 0.107 0.249 0.18 0.094 0.242 NA 0.243 -0.015 -0.085
 -0.096 0.107 1 -0.05 0.062 -0.095 -0.124 NA 0.096 -0.036 -0.004
 -0.056 0.249 -0.05 1 0.347 0.431 0.302 NA -0.185 0.465 0.068
 -0.041 0.18 0.062 0.347 1 0.591 -0.029 NA 0.074 0.075 -0.084
 0.025 0.094 -0.095 0.431 0.591 1 0.037 NA 0.2 -0.034 -0.162
 0.185 0.242 -0.124 0.302 -0.029 0.037 1 NA 0.144 -0.089 -0.11
 NA NA NA NA NA NA NA NA NA NA NA
 0.213 0.243 0.096 -0.185 0.074 0.2 0.144 NA 1 -0.184 -0.3
 -0.064 -0.015 -0.036 0.465 0.075 -0.034 -0.089 NA -0.184 1 0
 0.201 -0.085 -0.004 0.068 -0.084 -0.162 -0.11 NA -0.3 0 1

age group 2, sex=M, urban=city

171

73.54 19.03 7.66 96.16 19.11 166.91 38.33 0 443.7 7.28 386.12
 54.36 26.49 14.58 88.75 25.59 109.27 60.14 0 254.65 14.79 253.16
 1 -0.007 0.101 0.073 0.09 0.183 -0.013 NA 0.019 -0.09 0.147
 -0.007 1 -0.019 0.052 0.161 -0.121 0.085 NA -0.026 -0.019 -0.015
 0.101 -0.019 1 0.014 0.109 -0.037 0.019 NA -0.071 -0.004 0.05
 0.073 0.052 0.014 1 -0.022 0.09 0.028 NA 0.169 0 -0.013
 0.09 0.161 0.109 -0.022 1 -0.101 0.031 NA -0.076 -0.011 -0.004
 0.183 -0.121 -0.037 0.09 -0.101 1 0.02 NA -0.012 -0.048 0.188
 -0.013 0.085 0.019 0.028 0.031 0.02 1 NA -0.007 0.451 0.098
 NA NA NA NA NA NA NA NA NA NA NA
 0.019 -0.026 -0.071 0.169 -0.076 -0.012 -0.007 NA 1 0.02 -0.216
 -0.09 -0.019 -0.004 0 -0.011 -0.048 0.451 NA 0.02 1 0.057
 0.147 -0.015 0.05 -0.013 -0.004 0.188 0.098 NA -0.216 0.057 1

age group 3, sex=M, urban=city

209

109.81 22.61 19.74 131.13 16.02 229.76 52.81 0.63 573.45 8.39 394.23
 63.47 32.26 27.73 83.89 23.06 118.04 65.39 3.83 287.17 16.25 217.08
 1 -0.033 0.182 0.219 0.07 0.162 -0.068 -0.014 0.209 -0.002 -0.007
 -0.033 1 -0.062 0.023 0.097 -0.106 0.062 -0.017 -0.032 -0.101 0.111
 0.182 -0.062 1 0.057 0.175 0.211 0.13 0.04 0.07 0.041 0.006
 0.219 0.023 0.057 1 0.067 0.1 0.179 0.044 0.214 0.065 0
 0.07 0.097 0.175 0.067 1 0.022 0.179 0.07 0.096 0.008 0.057
 0.162 -0.106 0.211 0.1 0.022 1 0.059 0.1 0.206 0.046 -0.029
 -0.068 0.062 0.13 0.179 0.179 0.059 1 0.238 0.105 0.084 -0.008
 -0.014 -0.017 0.04 0.044 0.07 0.1 0.238 1 -0.115 -0.082 0.139
 0.209 -0.032 0.07 0.214 0.096 0.206 0.105 -0.115 1 -0.003 -0.199
 -0.002 -0.101 0.041 0.065 0.008 0.046 0.084 -0.082 -0.003 1 -0.136
 -0.007 0.111 0.006 0 0.057 -0.029 -0.008 0.139 -0.199 -0.136 1

age group 4, sex=M, urban=city

194

139.08 27.41 33.16 158.55 16.02 263.32 48.85 0.35 643.03 9.89 430.67
79.21 38.9 44.37 103.71 26.12 142.03 66.43 3.19 358.76 17.48 272.49
1 -0.248 0.236 0.117 0.013 -0.006 -0.105 0.001 -0.048 -0.125 0.161
-0.248 1 0.078 0.087 0.105 0.015 0.202 -0.032 0.074 0.117 0.106
0.236 0.078 1 0.126 0.069 0.185 0.052 0.072 0.148 0 0.117
0.117 0.087 0.126 1 0.05 -0.053 0.005 -0.034 0.303 0.097 0.015
0.013 0.105 0.069 0.05 1 -0.154 -0.016 0.004 0.02 0.039 0.173
-0.006 0.015 0.185 -0.053 -0.154 1 0.068 -0.051 0.244 0.097 0.119
-0.105 0.202 0.052 0.005 -0.016 0.068 1 0.005 0.157 0.026 -0.02
0.001 -0.032 0.072 -0.034 0.004 -0.051 0.005 1 -0.083 -0.047 0.048
-0.048 0.074 0.148 0.303 0.02 0.244 0.157 -0.083 1 0.04 -0.238
-0.125 0.117 0 0.097 0.039 0.097 0.026 -0.047 0.04 1 0.107
0.161 0.106 0.117 0.015 0.173 0.119 -0.02 0.048 -0.238 0.107 1

age group 5, sex=M, urban=city

212

196.3 32.66 35.53 173.1 24.8 262.05 42.36 2.01 620.46 11.16 644.64
128.65 46.79 42.27 119.92 36.23 150.63 62.7 13.95 396.39 17.36 390.44
1 -0.186 0.015 0.194 -0.034 0.028 -0.129 -0.158 0.128 -0.001 0.157
-0.186 1 -0.012 0.021 -0.061 0.023 0.075 0.164 -0.034 -0.003 0.008
0.015 -0.012 1 0.116 0.076 -0.002 0.094 -0.051 0.107 0.106 0.074
0.194 0.021 0.116 1 0.074 0.017 0.046 0.068 0.131 0.085 0.063
-0.034 -0.061 0.076 0.074 1 -0.076 -0.075 -0.048 -0.152 0.056 0.117
0.028 0.023 -0.002 0.017 -0.076 1 -0.024 -0.009 0.286 -0.006 -0.006
-0.129 0.075 0.094 0.046 -0.075 -0.024 1 -0.056 0.216 0.083 0
-0.158 0.164 -0.051 0.068 -0.048 -0.009 -0.056 1 -0.069 -0.088 -0.055
0.128 -0.034 0.107 0.131 -0.152 0.286 0.216 -0.069 1 0.097 -0.087
-0.001 -0.003 0.106 0.085 0.056 -0.006 0.083 -0.088 0.097 1 0.213
0.157 0.008 0.074 0.063 0.117 -0.006 0 -0.055 -0.087 0.213 1

age group 6, sex=M, urban=city

777

206.81 36.52 45.21 180.87 35.2 217.78 46.52 3.34 277.38 18.79 1130.05
140.51 56.83 56.27 126.99 42.6 143.79 76.24 17.59 283.82 32.23 637.69
1 -0.189 -0.014 0.096 0.067 0.008 -0.086 -0.078 0.129 -0.028 0.045
-0.189 1 0.044 0.049 0.049 -0.096 0.079 0.049 -0.046 0.039 -0.056
-0.014 0.044 1 0.065 -0.05 0 0.135 0.01 0.017 0.045 0.073
0.096 0.049 0.065 1 0.092 0.048 0.038 0.039 0.118 0.05 0.064
0.067 0.049 -0.05 0.092 1 0.053 -0.033 -0.006 0.056 0.058 0.073
0.008 -0.096 0 0.048 0.053 1 0.06 -0.043 0.158 0.044 0.099
-0.086 0.079 0.135 0.038 -0.033 0.06 1 -0.014 0.04 0.093 -0.046
-0.078 0.049 0.01 0.039 -0.006 -0.043 -0.014 1 -0.092 0.016 0.023
0.129 -0.046 0.017 0.118 0.056 0.158 0.04 -0.092 1 0.049 -0.126
-0.028 0.039 0.045 0.05 0.058 0.044 0.093 0.016 0.049 1 0.085
0.045 -0.056 0.073 0.064 0.073 0.099 -0.046 0.023 -0.126 0.085 1

age group 1, sex=F, urban=city

48

26.49 17.52 4.32 103.48 6.03 52 80.74 0 591.98 3.01 104.73
36.43 28.98 10.56 95.32 13.26 65.07 86.32 0 321.6 12.8 128.92
1 0.311 0.094 0.259 0.14 0.075 0.01 NA 0.108 -0.08 0.341
0.311 1 -0.024 0.294 -0.111 0.175 0.288 NA 0.272 -0.093 0.06
0.094 -0.024 1 0.195 0.232 0.288 0.141 NA -0.076 0.245 0.11
0.259 0.294 0.195 1 0.155 0.139 0.603 NA 0.061 0.093 0.041
0.14 -0.111 0.232 0.155 1 0.235 0.29 NA -0.18 -0.103 -0.042
0.075 0.175 0.288 0.139 0.235 1 0.405 NA 0.02 0.144 0.247
0.01 0.288 0.141 0.603 0.29 0.405 1 NA -0.107 0.046 -0.109
NA NA NA NA NA NA NA NA NA NA NA
0.108 0.272 -0.076 0.061 -0.18 0.02 -0.107 NA 1 -0.062 0.034
-0.08 -0.093 0.245 0.093 -0.103 0.144 0.046 NA -0.062 1 0.036
0.341 0.06 0.11 0.041 -0.042 0.247 -0.109 NA 0.034 0.036 1

age group 2, sex=F, urban=city

143

72.43 20.85 8.79 91.73 18.45 148.82 51.29 0.06 475.49 8.43 310.48
47.32 28.59 13.17 70.29 22.49 85.27 66.82 0.47 249.65 14.96 182.73
1 -0.06 0.05 0.112 -0.106 0.055 0.034 -0.097 0.191 -0.108 -0.035
-0.06 1 0.035 0.065 0.083 -0.084 0.05 0.065 0.008 -0.16 0.076
0.05 0.035 1 0.017 0.016 -0.055 0.141 -0.038 -0.116 -0.01 0.169
0.112 0.065 0.017 1 0.12 0.043 0.071 0.112 0.103 0.069 0.154
-0.106 0.083 0.016 0.12 1 -0.098 -0.028 -0.098 -0.063 0.136 0.067
0.055 -0.084 -0.055 0.043 -0.098 1 0.065 -0.057 0.08 -0.045 0.216
0.034 0.05 0.141 0.071 -0.028 0.065 1 -0.092 0.017 -0.014 -0.045
-0.097 0.065 -0.038 0.112 -0.098 -0.057 -0.092 1 0.059 -0.034 -0.003
0.191 0.008 -0.116 0.103 -0.063 0.08 0.017 0.059 1 0.041 -0.157
-0.108 -0.16 -0.01 0.069 0.136 -0.045 -0.014 -0.034 0.041 1 0.026
-0.035 0.076 0.169 0.154 0.067 0.216 -0.045 -0.003 -0.157 0.026 1

age group 3, sex=F, urban=city

219

104.22 27.52 20.71 117.62 13.9 207.16 60.81 0.41 554.39 7.24 372.94
70.29 38.1 23.59 76.53 23.77 98.37 66.39 5.53 235.65 12.33 250.56
1 -0.188 0.095 0.323 0.012 -0.001 0.118 -0.056 0.093 -0.008 -0.009
-0.188 1 0.028 -0.036 -0.074 0.077 -0.039 0.011 -0.061 -0.035 0.148
0.095 0.028 1 0.139 -0.001 -0.01 0.15 0.041 0.251 -0.033 0.033
0.323 -0.036 0.139 1 -0.001 0.006 0.059 -0.001 0.047 -0.043 0.076
0.012 -0.074 -0.001 -0.001 1 -0.007 0.11 0.271 0.093 -0.023 0.012
-0.001 0.077 -0.01 0.006 -0.007 1 -0.021 -0.042 0.084 0.038 0.194
0.118 -0.039 0.15 0.059 0.11 -0.021 1 0.058 0.117 0.067 -0.035
-0.056 0.011 0.041 -0.001 0.271 -0.042 0.058 1 0.074 -0.037 -0.002
0.093 -0.061 0.251 0.047 0.093 0.084 0.117 0.074 1 0.059 -0.204
-0.008 -0.035 -0.033 -0.043 -0.023 0.038 0.067 -0.037 0.059 1 -0.041
-0.009 0.148 0.033 0.076 0.012 0.194 -0.035 -0.002 -0.204 -0.041 1

age group 4, sex=F, urban=city

223

121.33 27.85 30.9 135.19 13.89 210.63 45.54 1.12 487.45 10.29 436.73
76.65 34.97 40.34 87.61 22.28 116.37 56.77 6.52 228.38 17.16 242.31
1 -0.103 0.116 0.076 -0.014 -0.106 -0.052 -0.103 -0.026 -0.022 0.101
-0.103 1 -0.096 0.053 0.046 -0.052 0.076 -0.105 0.003 -0.065 0.053
0.116 -0.096 1 0.162 0.106 0.074 0.117 0.167 0.056 0.017 0.132
0.076 0.053 0.162 1 0.245 0.004 0.17 -0.063 0.106 0.088 0.096
-0.014 0.046 0.106 0.245 1 -0.047 0.034 -0.057 0.014 0.053 0.083
-0.106 -0.052 0.074 0.004 -0.047 1 0.025 -0.05 0.073 0.057 0.018
-0.052 0.076 0.117 0.17 0.034 0.025 1 -0.037 0.133 0.051 0.029
-0.103 -0.105 0.167 -0.063 -0.057 -0.05 -0.037 1 0.067 0.109 0.032
-0.026 0.003 0.056 0.106 0.014 0.073 0.133 0.067 1 -0.025 -0.284
-0.022 -0.065 0.017 0.088 0.053 0.057 0.051 0.109 -0.025 1 0.007
0.101 0.053 0.132 0.096 0.083 0.018 0.029 0.032 -0.284 0.007 1

age group 5, sex=F, urban=city

205

117.18 32.34 36.64 137.95 18.85 175.11 38.35 1.74 403.97 12.92 609.91
73.97 40.79 53.17 109.68 29.1 108.97 53.41 10.72 281.49 21.09 361.23
1 -0.217 -0.03 0.166 0.094 0.041 -0.056 0.079 0.037 -0.095 -0.079
-0.217 1 0.009 0.117 -0.053 -0.126 0.077 -0.098 -0.068 -0.046 0.03
-0.03 0.009 1 0.211 0.042 -0.05 0.376 -0.026 0.071 -0.013 0.085
0.166 0.117 0.211 1 0.041 0.122 0.144 0.018 0.299 -0.09 -0.165
0.094 -0.053 0.042 0.041 1 0.115 0.026 -0.044 0.001 0.059 0.16
0.041 -0.126 -0.05 0.122 0.115 1 0.125 -0.02 0.166 -0.068 -0.016
-0.056 0.077 0.376 0.144 0.026 0.125 1 -0.072 0.1 -0.007 -0.028
0.079 -0.098 -0.026 0.018 -0.044 -0.02 -0.072 1 -0.082 0.016 -0.036
0.037 -0.068 0.071 0.299 0.001 0.166 0.1 -0.082 1 0.04 -0.207
-0.095 -0.046 -0.013 -0.09 0.059 -0.068 -0.007 0.016 0.04 1 0.025
-0.079 0.03 0.085 -0.165 0.16 -0.016 -0.028 -0.036 -0.207 0.025 1

age group 6, sex=F, urban=city

1108

124.4 32.03 48.77 137.42 23.57 151.64 42.29 2.91 193.7 20.09 955
94.12 47.3 57.69 100.56 31.09 106.63 66.89 16.6 191.38 34.03 510.09
1 -0.156 0.058 0.078 0.032 -0.009 -0.051 -0.041 -0.02 -0.054 0.106
-0.156 1 0.045 0.061 -0.035 -0.041 -0.018 -0.046 -0.002 -0.02 0.024
0.058 0.045 1 0.002 0.04 -0.052 0.14 0.05 -0.039 0.066 0.108
0.078 0.061 0.002 1 0.03 0.076 0.084 -0.042 0.046 0.058 -0.011
0.032 -0.035 0.04 0.03 1 0.032 0.005 -0.005 0.062 0.026 0.011
-0.009 -0.041 -0.052 0.076 0.032 1 -0.026 -0.013 0.148 -0.012 0.086
-0.051 -0.018 0.14 0.084 0.005 -0.026 1 -0.028 0.059 0.146 0.018
-0.041 -0.046 0.05 -0.042 -0.005 -0.013 -0.028 1 -0.053 -0.001 0.055
-0.02 -0.002 -0.039 0.046 0.062 0.148 0.059 -0.053 1 -0.021 -0.132
-0.054 -0.02 0.066 0.058 0.026 -0.012 0.146 -0.001 -0.021 1 0.131
0.106 0.024 0.108 -0.011 0.011 0.086 0.018 0.055 -0.132 0.131 1

age group 1, sex=N, urban=city
0

age group 2, sex=N, urban=city
0

age group 3, sex=N, urban=city
0

age group 4, sex=N, urban=city
0

age group 5, sex=N, urban=city
0

age group 6, sex=N, urban=city
12

132.38	29.21	40.8	130.43	24.11	178.16	43.79	0	344.99	20.4	780.11
99.6	29.33	25.2	73.78	25.03	148.73	43.07	0	237.53	26.96	325.11
1	0.31	-0.272	0.098	0.299	-0.373	-0.311	NA	-0.103	-0.444	0.125
0.31	1	0.227	-0.079	0.68	-0.175	0.436	NA	0.06	-0.149	0.192
-0.272	0.227	1	-0.095	0.33	0.382	0.049	NA	-0.122	-0.331	-0.186
0.098	-0.079	-0.095	1	-0.251	0.043	0.174	NA	-0.201	0.426	0.828
0.299	0.68	0.33	-0.251	1	-0.056	0.262	NA	-0.029	-0.3	-0.128
-0.373	-0.175	0.382	0.043	-0.056	1	-0.11	NA	0.275	0.092	-0.171
-0.311	0.436	0.049	0.174	0.262	-0.11	1	NA	0.087	0.527	0.405
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
-0.103	0.06	-0.122	-0.201	-0.029	0.275	0.087	NA	1	-0.1	-0.058
-0.444	-0.149	-0.331	0.426	-0.3	0.092	0.527	NA	-0.1	1	0.268
0.125	0.192	-0.186	0.828	-0.128	-0.171	0.405	NA	-0.058	0.268	1

age group 1, sex=M, urban=rural
15

36.16	30.55	1.12	126.86	6.85	99.06	86.57	0	566.2	0.16	181.48
38.87	41.45	3.97	99.43	11.42	91.92	114.04	0	325.28	0.6	221.4
1	0.132	0.733	0.04	0.24	0.117	0.011	NA	0.217	0.156	0.242
0.132	1	-0.132	0.492	0.185	0.344	0.15	NA	0.263	0.576	-0.09
0.733	-0.132	1	-0.111	0.257	-0.079	-0.23	NA	0.112	-0.078	0.262
0.04	0.492	-0.111	1	-0.376	0.013	0.384	NA	0.026	-0.159	0.174
0.24	0.185	0.257	-0.376	1	0.287	-0.366	NA	0.035	0.658	-0.039
0.117	0.344	-0.079	0.013	0.287	1	0.26	NA	-0.363	0.456	-0.109
0.011	0.15	-0.23	0.384	-0.366	0.26	1	NA	-0.388	-0.102	-0.041
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
0.217	0.263	0.112	0.026	0.035	-0.363	-0.388	NA	1	-0.01	-0.478
0.156	0.576	-0.078	-0.159	0.658	0.456	-0.102	NA	-0.01	1	-0.045
0.242	-0.09	0.262	0.174	-0.039	-0.109	-0.041	NA	-0.478	-0.045	1

age group 2, sex=M, urban=rural

62

66.03 14.23 3.6 98.87 16.87 147.35 64.91 0 451.43 7.74 386.65
 61.72 33.44 8.04 84.87 25.05 73.8 89.98 0 296.61 13.74 223.67
 1 -0.004 0.251 -0.064 -0.161 0.179 0.336 NA -0.032 -0.165 -0.096
 -0.004 1 0.13 -0.055 -0.116 -0.005 -0.081 NA -0.019 0.105 -0.074
 0.251 0.13 1 0.151 0.121 0.081 0.012 NA 0.05 0.015 0.143
 -0.064 -0.055 0.151 1 0.107 0.235 -0.01 NA -0.01 -0.07 0.156
 -0.161 -0.116 0.121 0.107 1 0.123 0.026 NA -0.205 0.107 0.462
 0.179 -0.005 0.081 0.235 0.123 1 0.267 NA -0.176 0.155 0.126
 0.336 -0.081 0.012 -0.01 0.026 0.267 1 NA 0 0.074 0.109
 NA NA NA NA NA NA NA NA NA NA NA
 -0.032 -0.019 0.05 -0.01 -0.205 -0.176 0 NA 1 -0.131 -0.284
 -0.165 0.105 0.015 -0.07 0.107 0.155 0.074 NA -0.131 1 0.147
 -0.096 -0.074 0.143 0.156 0.462 0.126 0.109 NA -0.284 0.147 1

age group 3, sex=M, urban=rural

76

113.98 20.65 13.75 142.17 10.09 224.86 63.83 0.19 632.97 7.57 291.08
 67.39 35.6 22.53 104.62 19.48 131.21 75.63 1.63 273.58 15.84 185.98
 1 -0.173 -0.001 0.205 0.16 0.097 0.273 -0.122 0.31 0.021 -0.086
 -0.173 1 -0.122 -0.057 -0.011 -0.141 -0.12 -0.067 -0.11 -0.051 0.007
 -0.001 -0.122 1 0.06 0.326 0.04 -0.031 0.074 0.357 0.409 -0.084
 0.205 -0.057 0.06 1 -0.053 0.076 -0.187 -0.03 0.194 -0.116 -0.08
 0.16 -0.011 0.326 -0.053 1 -0.001 -0.114 -0.06 0.311 0.361 -0.08
 0.097 -0.141 0.04 0.076 -0.001 1 0.182 -0.12 0.342 0.093 -0.069
 0.273 -0.12 -0.031 -0.187 -0.114 0.182 1 -0.098 0.188 -0.138 0.147
 -0.122 -0.067 0.074 -0.03 -0.06 -0.12 -0.098 1 0.02 -0.056 0.055
 0.31 -0.11 0.357 0.194 0.311 0.342 0.188 0.02 1 0.232 -0.192
 0.021 -0.051 0.409 -0.116 0.361 0.093 -0.138 -0.056 0.232 1 -0.1
 -0.086 0.007 -0.084 -0.08 -0.08 -0.069 0.147 0.055 -0.192 -0.1 1

age group 4, sex=M, urban=rural

111

143.65 29.69 15.4 190.86 19.68 299.33 43.76 0.25 660.49 8.12 397.59
 88.9 43.24 21.57 120.51 27.5 227.47 52.84 2.65 350.1 14.63 339.54
 1 -0.201 0.01 -0.093 -0.1 0.061 0.047 -0.034 -0.104 0.134 0.132
 -0.201 1 -0.026 0.151 -0.029 -0.202 -0.186 -0.066 0.083 -0.008 -0.059
 0.01 -0.026 1 -0.078 0.018 -0.115 0.2 0.109 0.185 0.136 0.045
 -0.093 0.151 -0.078 1 -0.03 -0.114 0.12 0.058 0.004 -0.099 -0.183
 -0.1 -0.029 0.018 -0.03 1 -0.051 -0.025 0.092 0.021 0.109 0.123
 0.061 -0.202 -0.115 -0.114 -0.051 1 0.118 0.007 0.142 0.077 -0.044
 0.047 -0.186 0.2 0.12 -0.025 0.118 1 0.037 0.087 0.144 -0.077
 -0.034 -0.066 0.109 0.058 0.092 0.007 0.037 1 -0.049 -0.053 0.064
 -0.104 0.083 0.185 0.004 0.021 0.142 0.087 -0.049 1 0.109 -0.192
 0.134 -0.008 0.136 -0.099 0.109 0.077 0.144 -0.053 0.109 1 0.17
 0.132 -0.059 0.045 -0.183 0.123 -0.044 -0.077 0.064 -0.192 0.17 1

age group 5, sex=M, urban=rural

103

202.35 22.56 17.39 207.45 27.58 284.47 35.86 1.16 647.93 12.51 610.4
112.22 55.13 27.13 130.5 41.08 159.14 50.29 6.05 392.93 22.6 455.53
1 -0.006 0.081 0.149 0.079 0.2 -0.008 -0.036 0.005 0.172 0.409
-0.006 1 0.014 -0.034 -0.023 0.058 -0.052 0.086 0.075 0.139 -0.075
0.081 0.014 1 0.262 0.085 0.082 -0.04 0.125 0.034 0.065 0.093
0.149 -0.034 0.262 1 0.158 0.122 0.147 0.044 0.094 0.022 0.181
0.079 -0.023 0.085 0.158 1 -0.028 0.159 0.175 -0.068 0 0.171
0.2 0.058 0.082 0.122 -0.028 1 0.094 0.119 0.209 0.139 0.188
-0.008 -0.052 -0.04 0.147 0.159 0.094 1 0.014 0.125 0.062 -0.067
-0.036 0.086 0.125 0.044 0.175 0.119 0.014 1 -0.046 -0.107 0.04
0.005 0.075 0.034 0.094 -0.068 0.209 0.125 -0.046 1 0.075 -0.281
0.172 0.139 0.065 0.022 0 0.139 0.062 -0.107 0.075 1 0.161
0.409 -0.075 0.093 0.181 0.171 0.188 -0.067 0.04 -0.281 0.161 1

age group 6, sex=M, urban=rural

317

197.01 30.68 38.86 196.46 32.36 231.1 48.19 1.75 303.55 19.34 1139.79
121.1 51.31 47.91 123.26 38.15 149.74 79 13.32 284.01 32.48 629.06
1 -0.122 0.034 0.068 0.027 0.089 -0.032 -0.018 0.057 0.032 0.03
-0.122 1 0.089 0.095 0.076 -0.109 0 0.054 -0.037 -0.001 0.024
0.034 0.089 1 0.131 0.083 0.076 0.1 0.089 0.058 0.092 -0.034
0.068 0.095 0.131 1 0.039 0.153 0.228 0.009 0.047 0.075 0.026
0.027 0.076 0.083 0.039 1 -0.036 0.014 -0.032 -0.09 -0.015 0.128
0.089 -0.109 0.076 0.153 -0.036 1 0.147 -0.038 0.166 0.181 0.133
-0.032 0 0.1 0.228 0.014 0.147 1 -0.062 0.081 0.204 -0.047
-0.018 0.054 0.089 0.009 -0.032 -0.038 -0.062 1 0.011 0.02 -0.012
0.057 -0.037 0.058 0.047 -0.09 0.166 0.081 0.011 1 0.128 -0.242
0.032 -0.001 0.092 0.075 -0.015 0.181 0.204 0.02 0.128 1 0.016
0.03 0.024 -0.034 0.026 0.128 0.133 -0.047 -0.012 -0.242 0.016 1

age group 1, sex=F, urban=rural

23

20.56 21.94 1.35 42.35 3.91 20.88 57.35 0 576.44 1.29 88.95
33.89 43.38 6.46 59.62 10.16 36.64 76.09 0 474.38 5.83 176.63
1 0.659 0.238 0.442 0.052 0.335 0.627 NA 0.02 -0.081 -0.032
0.659 1 -0.11 0.572 0.045 0.052 0.805 NA 0.068 -0.077 0.028
0.238 -0.11 1 -0.034 0.374 0.7 -0.164 NA 0.222 0.011 -0.036
0.442 0.572 -0.034 1 -0.097 -0.006 0.597 NA 0.078 -0.096 0.251
0.052 0.045 0.374 -0.097 1 0.796 0.272 NA 0.081 0.854 0.306
0.335 0.052 0.7 -0.006 0.796 1 0.197 NA 0.098 0.628 0.264
0.627 0.805 -0.164 0.597 0.272 0.197 1 NA 0.092 0.193 0.088
NA NA NA NA NA NA NA NA NA NA
0.02 0.068 0.222 0.078 0.081 0.098 0.092 NA 1 -0.103 -0.243
-0.081 -0.077 0.011 -0.096 0.854 0.628 0.193 NA -0.103 1 0.433
-0.032 0.028 -0.036 0.251 0.306 0.264 0.088 NA -0.243 0.433 1

age group 2, sex=F, urban=rural

55

77.62 15.47 7.19 91.43 11.19 121.94 38.55 2.55 442.91 12.03 311.01
62.32 26.63 12.89 70.42 13.87 69.39 55.89 11.97 248.19 16.98 240.59
1 -0.121 0.085 -0.008 0.121 -0.158 -0.176 0.075 0.008 0.116 -0.087
-0.121 1 -0.019 -0.006 -0.203 -0.057 0.243 -0.037 -0.025 0.051 -0.14
0.085 -0.019 1 0.272 -0.235 -0.055 0.004 -0.121 0.107 0.046 0.046
-0.008 -0.006 0.272 1 -0.107 0.103 0.003 -0.15 0.159 0.004 0.003
0.121 -0.203 -0.235 -0.107 1 0.225 -0.147 -0.06 0.001 0.109 -0.196
-0.158 -0.057 -0.055 0.103 0.225 1 0.179 0.122 0.228 0.112 0.105
-0.176 0.243 0.004 0.003 -0.147 0.179 1 -0.071 0.012 0.076 -0.083
0.075 -0.037 -0.121 -0.15 -0.06 0.122 -0.071 1 0.053 -0.06 -0.042
0.008 -0.025 0.107 0.159 0.001 0.228 0.012 0.053 1 0.338 -0.325
0.116 0.051 0.046 0.004 0.109 0.112 0.076 -0.06 0.338 1 0.028
-0.087 -0.14 0.046 0.003 -0.196 0.105 -0.083 -0.042 -0.325 0.028 1

age group 3, sex=F, urban=rural

90

99.72 19.89 12.94 135.69 12.34 192.9 49.66 0.13 547.29 10.07 318.97
65.81 30.96 19.98 86.02 23.32 100.16 63.02 0.88 259.09 18.05 209.26
1 -0.165 0.104 -0.068 0.033 0.064 0.061 -0.127 -0.015 0.078 0.165
-0.165 1 0.159 0.172 0.108 -0.083 -0.058 -0.068 0.009 -0.072 -0.26
0.104 0.159 1 0.244 0.073 -0.025 0.054 0.044 -0.006 -0.031 0.1
-0.068 0.172 0.244 1 0.124 0.174 0.015 -0.035 0.092 -0.089 -0.184
0.033 0.108 0.073 0.124 1 -0.071 -0.021 -0.028 0.012 -0.015 0.054
0.064 -0.083 -0.025 0.174 -0.071 1 0.013 0.078 0.045 -0.219 0.034
0.061 -0.058 0.054 0.015 -0.021 0.013 1 0.014 0.108 -0.075 -0.155
-0.127 -0.068 0.044 -0.035 -0.028 0.078 0.014 1 -0.11 -0.039 0.116
-0.015 0.009 -0.006 0.092 0.012 0.045 0.108 -0.11 1 0.165 -0.238
0.078 -0.072 -0.031 -0.089 -0.015 -0.219 -0.075 -0.039 0.165 1 0.054
0.165 -0.26 0.1 -0.184 0.054 0.034 -0.155 0.116 -0.238 0.054 1

age group 4, sex=F, urban=rural

100

119.36 20.01 18.03 128.75 13.14 209.53 35.92 0.11 503.88 8.51 392.29
67.38 27.01 22.67 93.44 22.61 98.88 51 1.13 247.67 16.23 218.05
1 -0.037 0.293 0.052 0.041 0.037 0.004 0.147 -0.164 0.117 0.283
-0.037 1 -0.018 0.267 -0.095 -0.169 -0.125 -0.075 0.077 -0.038 0.064
0.293 -0.018 1 0.162 0.081 0.022 0.057 -0.08 -0.021 0.172 0.256
0.052 0.267 0.162 1 -0.007 0.089 0.11 -0.129 0.023 -0.038 -0.003
0.041 -0.095 0.081 -0.007 1 -0.062 0.048 -0.059 -0.065 0.125 -0.231
0.037 -0.169 0.022 0.089 -0.062 1 0.156 -0.139 0.285 0.254 0.033
0.004 -0.125 0.057 0.11 0.048 0.156 1 -0.02 0.062 0.156 -0.005
0.147 -0.075 -0.08 -0.129 -0.059 -0.139 -0.02 1 -0.156 -0.053 0.023
-0.164 0.077 -0.021 0.023 -0.065 0.285 0.062 -0.156 1 -0.065 -0.276
0.117 -0.038 0.172 -0.038 0.125 0.254 0.156 -0.053 -0.065 1 0.027
0.283 0.064 0.256 -0.003 -0.231 0.033 -0.005 0.023 -0.276 0.027 1

age group 5, sex=F, urban=rural

93

126.19 22.14 22.26 138.11 8.88 212.81 31.43 2.52 383.02 9.31 595.69
90.08 34.78 34.53 119.02 16.88 128.85 47.41 14.46 296.84 23.92 458.7
1 -0.163 0.027 0.086 0.147 0.16 0.061 -0.048 0.037 -0.014 0.078
-0.163 1 -0.009 -0.034 -0.145 -0.001 -0.079 0.041 0.089 -0.028 0.023
0.027 -0.009 1 0.069 0.037 -0.047 0.051 0.204 0.101 -0.035 0.12
0.086 -0.034 0.069 1 -0.085 0.133 0.139 0.029 0.145 -0.105 -0.013
0.147 -0.145 0.037 -0.085 1 -0.131 -0.113 0.002 -0.039 -0.003 0.031
0.16 -0.001 -0.047 0.133 -0.131 1 0.156 -0.06 0.285 -0.029 -0.032
0.061 -0.079 0.051 0.139 -0.113 0.156 1 0.046 0.154 -0.049 0.036
-0.048 0.041 0.204 0.029 0.002 -0.06 0.046 1 0.124 0.007 0.059
0.037 0.089 0.101 0.145 -0.039 0.285 0.154 0.124 1 0.029 -0.333
-0.014 -0.028 -0.035 -0.105 -0.003 -0.029 -0.049 0.007 0.029 1 0.094
0.078 0.023 0.12 -0.013 0.031 -0.032 0.036 0.059 -0.333 0.094 1

age group 6, sex=F, urban=rural

373

124.59 25.06 39.51 137.17 20.22 155.18 36.24 1.69 220.88 14.55 980.34
82.9 42.2 56.57 96.85 29.82 97.63 56.88 9.64 197.33 23.96 501.24
1 -0.188 0.032 0.145 0.009 0.018 0.039 -0.006 0.054 -0.019 -0.027
-0.188 1 0.108 -0.02 -0.059 0.034 0.068 -0.009 -0.044 -0.136 -0.021
0.032 0.108 1 0.04 0.054 -0.084 0.194 -0.004 0.021 0.023 0.109
0.145 -0.02 0.04 1 -0.017 0.082 0.143 -0.038 0.022 -0.059 -0.017
0.009 -0.059 0.054 -0.017 1 0.022 0.086 0.03 0.089 0.017 -0.008
0.018 0.034 -0.084 0.082 0.022 1 0.059 -0.034 0.126 0.02 0.034
0.039 0.068 0.194 0.143 0.086 0.059 1 -0.039 0.001 0.025 0.029
-0.006 -0.009 -0.004 -0.038 0.03 -0.034 -0.039 1 -0.009 -0.053 0.055
0.054 -0.044 0.021 0.022 0.089 0.126 0.001 -0.009 1 0.06 -0.193
-0.019 -0.136 0.023 -0.059 0.017 0.02 0.025 -0.053 0.06 1 0.153
-0.027 -0.021 0.109 -0.017 -0.008 0.034 0.029 0.055 -0.193 0.153 1

age group 1, sex=N, urban=rural

0

age group 2, sex=N, urban=rural

0

age group 3, sex=N, urban=rural

0

age group 4, sex=N, urban=rural

0

age group 5, sex=N, urban=rural

0

age group 6, sex=N, urban=rural

3

82.71 20.33 14.31 135 84.22 123.67 43.33 0 396.94 21.82 814.09
 67.4 35.22 24.78 40.23 75.67 79.38 75.06 0 51.58 14.2 383.82
 1 -0.87 -0.87 -0.397 0.927 0.595 -0.87 NA 0.257 0.651 -0.795
 -0.87 1 1 -0.108 -0.621 -0.121 1 NA 0.253 -0.192 0.991
 -0.87 1 1 -0.108 -0.621 -0.121 1 NA 0.253 -0.192 0.991
 -0.397 -0.108 -0.108 1 -0.713 -0.974 -0.108 NA -0.989 -0.955 -0.241
 0.927 -0.621 -0.621 -0.713 1 0.853 -0.621 NA 0.602 0.889 -0.509
 0.595 -0.121 -0.121 -0.974 0.853 1 -0.121 NA 0.93 0.997 0.015
 -0.87 1 1 -0.108 -0.621 -0.121 1 NA 0.253 -0.192 0.991
 NA NA NA NA NA NA NA NA NA NA NA
 0.257 0.253 0.253 -0.989 0.602 0.93 0.253 NA 1 0.901 0.382
 0.651 -0.192 -0.192 -0.955 0.889 0.997 -0.192 NA 0.901 1 -0.057
 -0.795 0.991 0.991 -0.241 -0.509 0.015 0.991 NA 0.382 -0.057 1

West Results, n, means, std, and covariance matrix if present

age group 1, sex=M, urban=city

11

15.87 11.65 3.44 128.77 2.36 66.92 36.11 0 418.32 0 247.13
 31.36 18.82 11.4 138.94 5.31 109.21 86.39 0 444.56 0 402.54
 1 -0.326 -0.168 0.049 -0.248 -0.039 -0.233 NA -0.366 NA 0.569
 -0.326 1 0.461 0.531 0.749 0.048 0.049 NA 0.046 NA -0.25
 -0.168 0.461 1 -0.127 0.56 -0.172 -0.139 NA 0.302 NA -0.096
 0.049 0.531 -0.127 1 0.423 0.248 0.715 NA -0.2 NA 0.031
 -0.248 0.749 0.56 0.423 1 -0.161 0.203 NA 0.092 NA -0.131
 -0.039 0.048 -0.172 0.248 -0.161 1 0.187 NA 0.49 NA -0.285
 -0.233 0.049 -0.139 0.715 0.203 0.187 1 NA -0.008 NA -0.074
 NA NA NA NA NA NA NA NA NA NA NA
 -0.366 0.046 0.302 -0.2 0.092 0.49 -0.008 NA 1 NA -0.495
 NA NA NA NA NA NA NA NA NA NA NA
 0.569 -0.25 -0.096 0.031 -0.131 -0.285 -0.074 NA -0.495 NA 1

age group 2, sex=M, urban=city

37

63.42 18.43 10.13 92.56 24.81 170.71 34.56 0 373.38 7.44 321.09
 52.69 30.58 17.97 137.23 23.36 124.24 55.48 0 210.22 13.43 194.8
 1 0.24 0.178 -0.189 -0.066 0.068 0.336 NA 0.024 -0.113 0.002
 0.24 1 -0.134 -0.167 0.489 0.025 0.304 NA -0.422 -0.225 0.208
 0.178 -0.134 1 -0.039 -0.17 -0.031 -0.011 NA 0.077 -0.004 0.053
 -0.189 -0.167 -0.039 1 -0.072 0.078 -0.025 NA 0.459 -0.136 -0.189
 -0.066 0.489 -0.17 -0.072 1 -0.265 0.275 NA -0.424 -0.072 0.287
 0.068 0.025 -0.031 0.078 -0.265 1 0.246 NA 0.004 -0.037 0.183
 0.336 0.304 -0.011 -0.025 0.275 0.246 1 NA -0.313 0.147 0.26
 NA NA NA NA NA NA NA NA NA NA NA
 0.024 -0.422 0.077 0.459 -0.424 0.004 -0.313 NA 1 0.083 -0.342
 -0.113 -0.225 -0.004 -0.136 -0.072 -0.037 0.147 NA 0.083 1 0.134
 0.002 0.208 0.053 -0.189 0.287 0.183 0.26 NA -0.342 0.134 1

age group 3, sex=M, urban=city

53

127.52 16.38 33.82 153.16 23.09 268.89 53.55 1.07 623.87 9.97 354.47
 67.99 25.25 38.75 91.98 22.65 143.46 70.52 4.41 277.55 18.75 216.71
 1 -0.03 0.348 0.161 -0.079 0.151 -0.132 0.232 0.314 -0.193 0.349
 -0.03 1 0.019 0.113 0.114 -0.193 0.068 0.116 0.2 -0.074 0.183
 0.348 0.019 1 0 0.161 0.403 0.076 0.1 -0.008 -0.129 0.195
 0.161 0.113 0 1 0.095 0.223 0.352 0.25 0.195 0.047 0.15
 -0.079 0.114 0.161 0.095 1 0.061 0.187 0.17 -0.076 0.043 0.175
 0.151 -0.193 0.403 0.223 0.061 1 0.035 0.024 0.082 -0.09 -0.039
 -0.132 0.068 0.076 0.352 0.187 0.035 1 0.108 0.059 0.036 -0.041
 0.232 0.116 0.1 0.25 0.17 0.024 0.108 1 -0.137 -0.132 0.169
 0.314 0.2 -0.008 0.195 -0.076 0.082 0.059 -0.137 1 -0.172 0.098
 -0.193 -0.074 -0.129 0.047 0.043 -0.09 0.036 -0.132 -0.172 1 0.07
 0.349 0.183 0.195 0.15 0.175 -0.039 -0.041 0.169 0.098 0.07 1

age group 4, sex=M, urban=city

42

181.51 29.44 43.72 178.7 26.1 240.19 51.38 0.45 714.38 9.37 467.05
 85.94 40.94 51.66 99.47 36.63 141.69 69.95 2.92 454.16 13.76 274.6
 1 -0.227 0.158 -0.077 -0.094 -0.09 -0.062 0.035 -0.215 -0.173 0.264
 -0.227 1 0.143 0.145 0.036 0.161 0.031 -0.114 0.247 0.508 0.074
 0.158 0.143 1 0.297 0.052 0.131 0.096 0.03 0.152 0.03 0.187
 -0.077 0.145 0.297 1 -0.119 0.443 0.225 -0.037 0.389 0.031 0.041
 -0.094 0.036 0.052 -0.119 1 -0.152 -0.171 0.072 0.175 0.02 0.144
 -0.09 0.161 0.131 0.443 -0.152 1 0.129 0.024 0.379 0.144 0.059
 -0.062 0.031 0.096 0.225 -0.171 0.129 1 0.052 0.288 0.127 -0.165
 0.035 -0.114 0.03 -0.037 0.072 0.024 0.052 1 -0.082 0 -0.077
 -0.215 0.247 0.152 0.389 0.175 0.379 0.288 -0.082 1 0.124 -0.228
 -0.173 0.508 0.03 0.031 0.02 0.144 0.127 0 0.124 1 -0.127
 0.264 0.074 0.187 0.041 0.144 0.059 -0.165 -0.077 -0.228 -0.127 1

age group 5, sex=M, urban=city

42

202.1 37.79 40.02 159.94 38.55 284.9 62.23 0 675.91 15.18 660.09
 134.58 47.97 49.83 86.3 50.88 177.93 88.21 0 425.85 23.92 450.56
 1 -0.415 -0.066 0.035 -0.045 0.176 -0.378 NA -0.066 0.008 0.171
 -0.415 1 -0.247 0.192 0.096 -0.149 0.221 NA -0.225 -0.049 0.148
 -0.066 -0.247 1 0.253 0.06 -0.155 0.186 NA 0.241 0.027 -0.097
 0.035 0.192 0.253 1 0.284 -0.184 0.212 NA 0.064 0.102 0.362
 -0.045 0.096 0.06 0.284 1 -0.104 -0.129 NA -0.093 0.15 0.227
 0.176 -0.149 -0.155 -0.184 -0.104 1 -0.08 NA 0.273 -0.2 -0.082
 -0.378 0.221 0.186 0.212 -0.129 -0.08 1 NA 0.224 -0.111 -0.088
 NA NA NA NA NA NA NA NA NA NA NA
 -0.066 -0.225 0.241 0.064 -0.093 0.273 0.224 NA 1 0.008 -0.218
 0.008 -0.049 0.027 0.102 0.15 -0.2 -0.111 NA 0.008 1 0.193
 0.171 0.148 -0.097 0.362 0.227 -0.082 -0.088 NA -0.218 0.193 1

age group 6, sex=M, urban=city

201

219.54 29.17 52.03 190.72 38.83 215.9 40.58 4.12 313.4 23.71 1236.79
162.71 48.84 65.96 132.07 44.23 144.76 66.24 17.37 317.43 37.31 740.35
1 -0.114 -0.003 0.112 0.14 0.016 -0.067 -0.125 0.152 0.094 0.151
-0.114 1 0.025 0.06 0.065 -0.099 -0.028 -0.137 0.068 -0.092 -0.124
-0.003 0.025 1 0.139 -0.052 -0.019 0.252 0.018 0.082 0.105 0.013
0.112 0.06 0.139 1 0.031 0.082 0.028 0.053 0.337 0.023 0.099
0.14 0.065 -0.052 0.031 1 -0.022 -0.14 -0.096 -0.01 -0.004 0.076
0.016 -0.099 -0.019 0.082 -0.022 1 0.025 -0.016 0.169 0.001 -0.057
-0.067 -0.028 0.252 0.028 -0.14 0.025 1 -0.01 0.06 0.172 -0.023
-0.125 -0.137 0.018 0.053 -0.096 -0.016 -0.01 1 -0.127 -0.026 0.052
0.152 0.068 0.082 0.337 -0.01 0.169 0.06 -0.127 1 0.137 -0.131
0.094 -0.092 0.105 0.023 -0.004 0.001 0.172 -0.026 0.137 1 0.124
0.151 -0.124 0.013 0.099 0.076 -0.057 -0.023 0.052 -0.131 0.124 1

age group 1, sex=F, urban=city

11

8.48 8.96 4.64 97.32 2.91 63.58 72.38 0 576.51 0 61.85
15.45 19.22 10.44 130.92 9.65 85.1 77.74 0 402.07 0 129.69
1 0.223 -0.03 0.457 0.194 0.23 0.02 NA -0.375 NA 0.797
0.223 1 0.582 0.553 -0.155 0.648 0.596 NA 0.041 NA 0.165
-0.03 0.582 1 0.083 0.552 0.67 0.353 NA -0.146 NA -0.009
0.457 0.553 0.083 1 0.009 0.005 0.593 NA 0.138 NA 0.053
0.194 -0.155 0.552 0.009 1 0.017 -0.037 NA -0.412 NA -0.08
0.23 0.648 0.67 0.005 0.017 1 0.293 NA -0.047 NA 0.507
0.02 0.596 0.353 0.593 -0.037 0.293 1 NA 0.049 NA -0.124
NA NA NA NA NA NA NA NA NA NA NA
-0.375 0.041 -0.146 0.138 -0.412 -0.047 0.049 NA 1 NA -0.252
NA NA NA NA NA NA NA NA NA NA NA
0.797 0.165 -0.009 0.053 -0.08 0.507 -0.124 NA -0.252 NA 1

age group 2, sex=F, urban=city

34

59.12 14.85 7.87 77.36 22.57 127.52 45.21 0 441.46 11.25 323.02
43.24 20.69 11.62 62.64 22.8 79.22 54.84 0 317.48 19.14 211.48
1 0.284 0.211 -0.051 -0.287 0.019 0.198 NA 0.052 -0.047 0.044
0.284 1 0.342 0.361 0.414 -0.092 -0.032 NA -0.116 -0.104 0.344
0.211 0.342 1 0.253 -0.124 0.092 0.088 NA -0.006 0.302 0.506
-0.051 0.361 0.253 1 0.357 0.393 0.065 NA 0.165 0.067 0.556
-0.287 0.414 -0.124 0.357 1 -0.176 -0.125 NA -0.142 0.06 0.126
0.019 -0.092 0.092 0.393 -0.176 1 0.27 NA 0.14 -0.056 0.387
0.198 -0.032 0.088 0.065 -0.125 0.27 1 NA -0.105 0.101 0.131
NA NA NA NA NA NA NA NA NA NA NA
0.052 -0.116 -0.006 0.165 -0.142 0.14 -0.105 NA 1 0.182 -0.147
-0.047 -0.104 0.302 0.067 0.06 -0.056 0.101 NA 0.182 1 0.015
0.044 0.344 0.506 0.556 0.126 0.387 0.131 NA -0.147 0.015 1

age group 3, sex=F, urban=city

64

120.61 26.67 30.04 115.33 17.92 215.86 65.88 1.28 580.94 6.62 331.73
82.95 44.61 26.15 69.4 31.33 102.29 82.43 10.21 194.42 9.36 196.89
1 -0.276 -0.063 0.163 -0.103 0.058 0.287 -0.106 0.178 0.12 0.236
-0.276 1 0 -0.108 -0.011 0.169 -0.165 0.016 0.05 0.045 -0.151
-0.063 0 1 -0.03 -0.015 -0.008 0.097 0.024 0.355 -0.064 0.124
0.163 -0.108 -0.03 1 -0.087 -0.001 -0.125 -0.008 0.033 0.035 0.133
-0.103 -0.011 -0.015 -0.087 1 -0.136 0.237 0.375 0.125 -0.246 0.035
0.058 0.169 -0.008 -0.001 -0.136 1 -0.058 -0.077 0.194 0.047 -0.087
0.287 -0.165 0.097 -0.125 0.237 -0.058 1 0.078 0.154 -0.153 0.164
-0.106 0.016 0.024 -0.008 0.375 -0.077 0.078 1 0.143 -0.09 0.031
0.178 0.05 0.355 0.033 0.125 0.194 0.154 0.143 1 0.04 0.003
0.12 0.045 -0.064 0.035 -0.246 0.047 -0.153 -0.09 0.04 1 -0.161
0.236 -0.151 0.124 0.133 0.035 -0.087 0.164 0.031 0.003 -0.161 1

age group 4, sex=F, urban=city

50

159.25 19.25 40.06 113.56 17.86 197.84 46.01 0 490.16 12.41 370.67
95.43 31.82 54.09 72.83 23.99 110.79 66.7 0 239.41 20.92 224.38
1 0.246 -0.022 -0.073 -0.093 0.033 0.043 NA 0.097 -0.264 0.348
0.246 1 -0.074 -0.055 0.02 -0.333 0.389 NA -0.25 -0.117 0.209
-0.022 -0.074 1 0.132 -0.035 0.056 0.093 NA 0.227 0.088 0.129
-0.073 -0.055 0.132 1 0.393 -0.041 0.098 NA 0.226 0.147 0.081
-0.093 0.02 -0.035 0.393 1 -0.02 -0.046 NA 0.071 0.078 0.144
0.033 -0.333 0.056 -0.041 -0.02 1 -0.018 NA 0.438 0.099 -0.268
0.043 0.389 0.093 0.098 -0.046 -0.018 1 NA 0.103 0.246 0.1
NA NA NA NA NA NA NA NA NA NA NA
0.097 -0.25 0.227 0.226 0.071 0.438 0.103 NA 1 -0.027 -0.224
-0.264 -0.117 0.088 0.147 0.078 0.099 0.246 NA -0.027 1 -0.023
0.348 0.209 0.129 0.081 0.144 -0.268 0.1 NA -0.224 -0.023 1

age group 5, sex=F, urban=city

49

122.24 35.2 48.94 148.47 18.88 172.56 37.21 1.71 487.22 14.47 592.25
85.22 45.79 82.31 117.7 33.66 118.9 59.44 7.49 335.71 23.58 383.66
1 -0.288 -0.146 -0.042 0.106 -0.035 -0.247 0.144 -0.229 -0.314 -0.065
-0.288 1 -0.107 0.174 0.005 -0.165 -0.034 -0.007 0.034 0.341 0.02
-0.146 -0.107 1 0.147 -0.155 -0.164 0.601 -0.017 0.028 -0.07 0.099
-0.042 0.174 0.147 1 -0.053 0.133 0.375 -0.1 0.356 -0.114 -0.185
0.106 0.005 -0.155 -0.053 1 0.135 -0.005 -0.005 0.006 0.132 0.13
-0.035 -0.165 -0.164 0.133 0.135 1 0.141 -0.11 0.232 -0.086 -0.106
-0.247 -0.034 0.601 0.375 -0.005 0.141 1 -0.116 0.053 -0.002 0.056
0.144 -0.007 -0.017 -0.1 -0.005 -0.11 -0.116 1 -0.263 -0.035 -0.041
-0.229 0.034 0.028 0.356 0.006 0.232 0.053 -0.263 1 0.148 -0.244
-0.314 0.341 -0.07 -0.114 0.132 -0.086 -0.002 -0.035 0.148 1 -0.015
-0.065 0.02 0.099 -0.185 0.13 -0.106 0.056 -0.041 -0.244 -0.015 1

age group 6, sex=F, urban=city

291

117.29 29.4 56.59 136.01 26.18 150.07 44.26 3.83 201.02 23.01 1012.84

98.06 42.97 64.22 99.06 30.78 111.14 68.61 20.37 210.53 35.89 599.47

1 -0.189 0.057 0.03 -0.063 -0.03 -0.074 -0.02 -0.107 -0.131 0.156

-0.189 1 0.052 0.073 0.013 0.056 0.028 -0.047 -0.018 0.057 0.025

0.057 0.052 1 0.038 0.011 0.058 0.068 0.043 -0.051 0.05 -0.013

0.03 0.073 0.038 1 0.07 0.053 0.13 -0.027 0.007 0.069 0.083

-0.063 0.013 0.011 0.07 1 -0.009 0.025 0.093 -0.009 0.043 -0.078

-0.03 0.056 0.058 0.053 -0.009 1 -0.032 -0.009 0.17 -0.083 0.074

-0.074 0.028 0.068 0.13 0.025 -0.032 1 -0.066 0.152 0.209 -0.001

-0.02 -0.047 0.043 -0.027 0.093 -0.009 -0.066 1 -0.063 0.014 0.025

-0.107 -0.018 -0.051 0.007 -0.009 0.17 0.152 -0.063 1 -0.033 -0.147

-0.131 0.057 0.05 0.069 0.043 -0.083 0.209 0.014 -0.033 1 0.14

0.156 0.025 -0.013 0.083 -0.078 0.074 -0.001 0.025 -0.147 0.14 1

age group 1, sex=N, urban=city

0

age group 2, sex=N, urban=city

0

age group 3, sex=N, urban=city

0

age group 4, sex=N, urban=city

0

age group 5, sex=N, urban=city

0

age group 6, sex=N, urban=city

4

98.75 27.67 56.88 91.92 35.17 228 37.96 0 325.29 17.67 469.68
 143.29 36 14.01 47.08 30.89 233.06 34.21 0 291.75 15.56 84.57
 1 0.792 0.059 0.281 0.708 -0.512 -0.558 NA -0.534 -0.851 0.065
 0.792 1 0.607 0.178 0.878 0.045 -0.196 NA -0.4 -0.379 0.014
 0.059 0.607 1 -0.428 0.706 0.472 0.623 NA -0.331 0.31 -0.446
 0.281 0.178 -0.428 1 -0.297 0.224 -0.881 NA 0.655 -0.075 0.976
 0.708 0.878 0.706 -0.297 1 -0.191 0.161 NA -0.764 -0.452 -0.462
 -0.512 0.045 0.472 0.224 -0.191 1 0.263 NA 0.673 0.883 0.36
 -0.558 -0.196 0.623 -0.881 0.161 0.263 1 NA -0.3 0.518 -0.784
 NA NA NA NA NA NA NA NA NA NA NA
 -0.534 -0.4 -0.331 0.655 -0.764 0.673 -0.3 NA 1 0.648 0.804
 -0.851 -0.379 0.31 -0.075 -0.452 0.883 0.518 NA 0.648 1 0.123
 0.065 0.014 -0.446 0.976 -0.462 0.36 -0.784 NA 0.804 0.123 1

age group 1, sex=M, urban=rural

3

82.05 32.91 5.14 165.12 8.49 122.21 159.08 0 450.44 0 198.5
 53.99 28.91 8.9 143.46 8.34 66.82 209.84 0 287.44 0 195.31
 1 -0.341 0.965 -0.238 0.681 -0.401 -0.435 NA 0.932 NA 0.683
 -0.341 1 -0.576 0.994 -0.921 0.998 0.995 NA 0.023 NA -0.919
 0.965 -0.576 1 -0.485 0.849 -0.627 -0.657 NA 0.804 NA 0.851
 -0.238 0.994 -0.485 1 -0.873 0.985 0.978 NA 0.13 NA -0.872
 0.681 -0.921 0.849 -0.873 1 -0.944 -0.956 NA 0.369 NA 1
 -0.401 0.998 -0.627 0.985 -0.944 1 0.999 NA -0.041 NA -0.943
 -0.435 0.995 -0.657 0.978 -0.956 0.999 1 NA -0.079 NA -0.955
 NA NA NA NA NA NA NA NA NA NA NA
 0.932 0.023 0.804 0.13 0.369 -0.041 -0.079 NA 1 NA 0.372
 NA NA NA NA NA NA NA NA NA NA NA
 0.683 -0.919 0.851 -0.872 1 -0.943 -0.955 NA 0.372 NA 1

age group 2, sex=M, urban=rural

13

34.72 1.57 1.7 165.57 28.72 154.85 34.14 0 580.9 5.08 398.12
 24.97 5.66 3.17 135.93 34.67 111.95 54.86 0 495.18 13.01 229.94
 1 -0.241 0.59 -0.043 0.508 0.094 0.167 NA -0.243 -0.018 0.368
 -0.241 1 -0.161 -0.308 -0.249 -0.301 0.093 NA 0.176 -0.117 0.243
 0.59 -0.161 1 0.031 0.218 0.435 0.71 NA -0.043 0.281 0.321
 -0.043 -0.308 0.031 1 -0.051 0.384 -0.077 NA -0.336 -0.034 0.329
 0.508 -0.249 0.218 -0.051 1 0.329 -0.094 NA -0.525 -0.164 0.478
 0.094 -0.301 0.435 0.384 0.329 1 0.442 NA -0.386 0.358 0.185
 0.167 0.093 0.71 -0.077 -0.094 0.442 1 NA 0.005 0.671 -0.105
 NA NA NA NA NA NA NA NA NA NA NA
 -0.243 0.176 -0.043 -0.336 -0.525 -0.386 0.005 NA 1 -0.096 -0.494
 -0.018 -0.117 0.281 -0.034 -0.164 0.358 0.671 NA -0.096 1 -0.283
 0.368 0.243 0.321 0.329 0.478 0.185 -0.105 NA -0.494 -0.283 1

age group 3, sex=M, urban=rural

15

119.58 10.25 15.75 167.17 14.51 250.25 47.78 0 626.29 9.52 289.43
40.29 21.4 30.33 166.43 32.89 95.68 79.99 0 315.93 17.1 146.48
1 -0.089 0.334 0.575 0.273 -0.049 -0.481 NA 0.56 0.036 -0.143
-0.089 1 -0.205 -0.241 -0.063 0.467 0.147 NA 0.125 -0.196 0.55
0.334 -0.205 1 -0.094 0.881 0.103 -0.213 NA 0.473 0.808 -0.036
0.575 -0.241 -0.094 1 -0.239 -0.231 -0.323 NA -0.115 -0.325 -0.028
0.273 -0.063 0.881 -0.239 1 -0.022 -0.217 NA 0.469 0.889 0.028
-0.049 0.467 0.103 -0.231 -0.022 1 0.539 NA 0.184 0.094 0.289
-0.481 0.147 -0.213 -0.323 -0.217 0.539 1 NA -0.212 0.08 0.012
NA NA NA NA NA NA NA NA NA NA NA
0.56 0.125 0.473 -0.115 0.469 0.184 -0.212 NA 1 0.276 0.142
0.036 -0.196 0.808 -0.325 0.889 0.094 0.08 NA 0.276 1 0.035
-0.143 0.55 -0.036 -0.028 0.028 0.289 0.012 NA 0.142 0.035 1

age group 4, sex=M, urban=rural

23

129.39 18.23 20.12 249.89 13.09 319.88 45.16 1.21 553.35 7.8 350.5
99.78 21.28 24.88 152.36 19.6 135.84 42.08 5.82 281.51 12.28 331.19
1 -0.332 -0.482 -0.184 -0.136 0.308 -0.008 -0.038 -0.163 0.592 -0.124
-0.332 1 0.224 0.203 0.387 0.035 0.033 -0.187 0.297 -0.017 -0.041
-0.482 0.224 1 -0.24 -0.005 -0.189 0.123 0.174 0.305 -0.343 0.315
-0.184 0.203 -0.24 1 0.173 0.233 0.286 0.02 -0.034 -0.182 -0.231
-0.136 0.387 -0.005 0.173 1 -0.319 0.102 0.366 -0.003 0.009 0.297
0.308 0.035 -0.189 0.233 -0.319 1 0.236 -0.007 0.083 0.232 0.001
-0.008 0.033 0.123 0.286 0.102 0.236 1 0.098 0.097 -0.279 0.115
-0.038 -0.187 0.174 0.02 0.366 -0.007 0.098 1 -0.057 -0.138 0.179
-0.163 0.297 0.305 -0.034 -0.003 0.083 0.097 -0.057 1 -0.272 -0.062
0.592 -0.017 -0.343 -0.182 0.009 0.232 -0.279 -0.138 -0.272 1 -0.056
-0.124 -0.041 0.315 -0.231 0.297 0.001 0.115 0.179 -0.062 -0.056 1

age group 5, sex=M, urban=rural

28

208.61 13.16 13.83 224.09 19.89 307.83 36.99 1 620.89 16.84 627.31
104.76 27.02 16.39 122.18 26.77 194.91 56.71 5.27 414.63 25.1 463.18
1 0.136 -0.005 0.092 0.118 0.151 -0.209 -0.143 0.217 0.493 0.538
0.136 1 0.065 -0.089 0.505 -0.168 -0.053 -0.095 -0.179 0.384 0.299
-0.005 0.065 1 0.271 0.044 -0.164 -0.03 0.313 -0.145 0.255 0.459
0.092 -0.089 0.271 1 0.003 -0.12 0.184 0.08 0.012 0.057 0.186
0.118 0.505 0.044 0.003 1 0.034 0.089 0.191 0.056 0.321 0.071
0.151 -0.168 -0.164 -0.12 0.034 1 0.072 0.036 0.166 -0.198 0.027
-0.209 -0.053 -0.03 0.184 0.089 0.072 1 0.093 0.048 -0.108 -0.088
-0.143 -0.095 0.313 0.08 0.191 0.036 0.093 1 -0.077 -0.132 -0.002
0.217 -0.179 -0.145 0.012 0.056 0.166 0.048 -0.077 1 0.048 -0.094
0.493 0.384 0.255 0.057 0.321 -0.198 -0.108 -0.132 0.048 1 0.519
0.538 0.299 0.459 0.186 0.071 0.027 -0.088 -0.002 -0.094 0.519 1

age group 6, sex=M, urban=rural

57

165.7 23.53 38.77 189.09 43.41 222.56 60.72 0.49 281.78 15.04 1113.34
 89.32 45.1 52.08 102.77 42.65 134 111.96 3.7 227.37 25.5 628.89
 1 -0.157 0.072 -0.099 0.152 0.063 -0.123 -0.004 0.195 0.019 -0.192
 -0.157 1 0.228 0.358 0.125 -0.064 -0.031 -0.07 0.292 0.151 0.281
 0.072 0.228 1 -0.097 0.231 -0.023 -0.019 -0.053 0.23 0.026 0.068
 -0.099 0.358 -0.097 1 -0.04 0.003 0.227 -0.035 -0.052 0.003 0.18
 0.152 0.125 0.231 -0.04 1 -0.253 -0.037 0.008 0.105 -0.118 0.013
 0.063 -0.064 -0.023 0.003 -0.253 1 -0.057 -0.119 0.271 -0.136 0.097
 -0.123 -0.031 -0.019 0.227 -0.037 -0.057 1 -0.073 -0.121 0.358 0.048
 -0.004 -0.07 -0.053 -0.035 0.008 -0.119 -0.073 1 -0.153 -0.08 -0.102
 0.195 0.292 0.23 -0.052 0.105 0.271 -0.121 -0.153 1 0.099 -0.055
 0.019 0.151 0.026 0.003 -0.118 -0.136 0.358 -0.08 0.099 1 -0.032
 -0.192 0.281 0.068 0.18 0.013 0.097 0.048 -0.102 -0.055 -0.032 1

age group 1, sex=F, urban=rural

7

18.38 41.91 0 57.27 2.17 6.45 57.69 0 652.18 0 69.3
 27.67 68.6 0 70.69 5.73 7.72 98.62 0 666.27 0 95.05
 1 0.977 NA 0.76 0.424 0.923 0.946 NA -0.006 NA 0.643
 0.977 1 NA 0.67 0.598 0.909 0.993 NA 0.07 NA 0.481
 NA NA NA NA NA NA NA NA NA NA NA
 0.76 0.67 NA 1 -0.077 0.826 0.604 NA -0.04 NA 0.724
 0.424 0.598 NA -0.077 1 0.393 0.68 NA 0.23 NA -0.322
 0.923 0.909 NA 0.826 0.393 1 0.891 NA -0.093 NA 0.482
 0.946 0.993 NA 0.604 0.68 0.891 1 NA 0.096 NA 0.38
 NA NA NA NA NA NA NA NA NA NA NA
 -0.006 0.07 NA -0.04 0.23 -0.093 0.096 NA 1 NA 0.009
 NA NA NA NA NA NA NA NA NA NA NA
 0.643 0.481 NA 0.724 -0.322 0.482 0.38 NA 0.009 NA 1

age group 2, sex=F, urban=rural

13

100.68 7.36 11.27 98.48 10.46 110.08 29.1 9.1 415.42 7.2 287.42
 94.21 12.32 16.81 82.87 11 62.69 55.36 23.34 212.07 12 162.39
 1 -0.009 0.031 -0.176 0.348 -0.369 -0.335 0.032 -0.126 -0.159 -0.258
 -0.009 1 -0.328 -0.073 -0.219 -0.29 -0.134 0.19 0.036 -0.248 0.081
 0.031 -0.328 1 0.549 -0.194 0.296 0.308 -0.283 0.445 0.191 0.27
 -0.176 -0.073 0.549 1 -0.154 0.525 0.385 -0.27 0.613 0.204 0.303
 0.348 -0.219 -0.194 -0.154 1 -0.361 -0.053 -0.402 -0.434 0.246 -0.506
 -0.369 -0.29 0.296 0.525 -0.361 1 0.771 0.163 0.507 0.436 0.425
 -0.335 -0.134 0.308 0.385 -0.053 0.771 1 -0.098 0.483 0.734 0.136
 0.032 0.19 -0.283 -0.27 -0.402 0.163 -0.098 1 -0.075 -0.253 -0.032
 -0.126 0.036 0.445 0.613 -0.434 0.507 0.483 -0.075 1 0.016 0.029
 -0.159 -0.248 0.191 0.204 0.246 0.436 0.734 -0.253 0.016 1 -0.106
 -0.258 0.081 0.27 0.303 -0.506 0.425 0.136 -0.032 0.029 -0.106 1

age group 3, sex=F, urban=rural

15

69.7 7.45 11.1 151.56 11.71 190.41 22.64 0 515.77 8.91 304.54
78.05 19.68 16.81 143.72 25.31 139.71 43.57 0 355.55 16.34 116.62
1 -0.165 -0.008 -0.066 -0.156 -0.002 0.193 NA -0.17 -0.306 -0.304
-0.165 1 0.324 0.091 0.572 0.139 -0.211 NA -0.215 0.02 0.02
-0.008 0.324 1 0.339 0.186 0.183 0.603 NA 0.077 -0.033 0.066
-0.066 0.091 0.339 1 0.562 0.393 0.25 NA -0.088 -0.202 0.415
-0.156 0.572 0.186 0.562 1 -0.013 -0.154 NA -0.305 0.034 0.28
-0.002 0.139 0.183 0.393 -0.013 1 0.029 NA 0.03 -0.254 -0.03
0.193 -0.211 0.603 0.25 -0.154 0.029 1 NA 0.151 -0.158 0.132
NA NA NA NA NA NA NA NA NA NA NA
-0.17 -0.215 0.077 -0.088 -0.305 0.03 0.151 NA 1 0.562 0.002
-0.306 0.02 -0.033 -0.202 0.034 -0.254 -0.158 NA 0.562 1 0.198
-0.304 0.02 0.066 0.415 0.28 -0.03 0.132 NA 0.002 0.198 1

age group 4, sex=F, urban=rural

17

120.94 19.85 16.67 127.24 7.8 205.77 22.19 0.66 480.91 10.58 368.02
90.81 25.56 16.97 111.78 15.05 110.88 35.8 2.73 422.8 22.35 266.79
1 -0.245 -0.051 -0.128 -0.013 -0.021 -0.178 0.274 -0.17 0.263 0.615
-0.245 1 0.102 0.227 0.445 -0.11 -0.126 -0.2 -0.201 -0.05 -0.111
-0.051 0.102 1 0.18 0.266 -0.117 0.113 -0.253 -0.245 0.254 0.278
-0.128 0.227 0.18 1 -0.139 0.484 0.215 -0.272 -0.057 -0.133 -0.03
-0.013 0.445 0.266 -0.139 1 -0.38 -0.228 -0.134 -0.257 0.035 0.032
-0.021 -0.11 -0.117 0.484 -0.38 1 -0.057 -0.306 0.636 0.377 -0.116
-0.178 -0.126 0.113 0.215 -0.228 -0.057 1 0.027 0.08 -0.244 -0.114
0.274 -0.2 -0.253 -0.272 -0.134 -0.306 0.027 1 -0.219 -0.122 0.07
-0.17 -0.201 -0.245 -0.057 -0.257 0.636 0.08 -0.219 1 0.045 -0.371
0.263 -0.05 0.254 -0.133 0.035 0.377 -0.244 -0.122 0.045 1 0.141
0.615 -0.111 0.278 -0.03 0.032 -0.116 -0.114 0.07 -0.371 0.141 1

age group 5, sex=F, urban=rural

27

120.41 23.54 8.76 124.53 3.31 202.26 11.7 1.25 290.01 12.57 592.13
75.77 39.67 13.58 113.91 9.32 123.46 29.76 3.6 204.57 38.48 397.4
1 -0.278 0.214 0.123 0.254 0.255 0.011 0.145 -0.037 0.015 0.081
-0.278 1 -0.021 -0.133 -0.167 -0.026 0.061 -0.214 0.025 -0.057 0.09
0.214 -0.021 1 0.359 0.144 0.111 0.097 0.085 0.536 0.063 -0.233
0.123 -0.133 0.359 1 0.032 0.389 0.743 0.009 0.553 -0.046 -0.447
0.254 -0.167 0.144 0.032 1 0.277 0.129 -0.128 0.21 -0.12 -0.245
0.255 -0.026 0.111 0.389 0.277 1 0.343 -0.044 0.165 0.032 -0.124
0.011 0.061 0.097 0.743 0.129 0.343 1 -0.142 0.496 -0.087 -0.28
0.145 -0.214 0.085 0.009 -0.128 -0.044 -0.142 1 -0.092 0.12 0.351
-0.037 0.025 0.536 0.553 0.21 0.165 0.496 -0.092 1 0.375 -0.127
0.015 -0.057 0.063 -0.046 -0.12 0.032 -0.087 0.12 0.375 1 0.286
0.081 0.09 -0.233 -0.447 -0.245 -0.124 -0.28 0.351 -0.127 0.286 1

age group 6, sex=F, urban=rural

75

119.63 25.95 30.15 151.67 22.68 149.55 18.72 3.45 226.43 12.64 902.26
92.03 45.53 39.83 92.09 38.82 107.18 37.54 16.61 241.79 23.78 628.83
1 -0.27 -0.089 0.204 -0.072 -0.214 -0.013 -0.036 0.05 -0.08 -0.258
-0.27 1 0.052 -0.075 -0.073 0.242 -0.061 0.061 0.055 -0.105 0.04
-0.089 0.052 1 0.098 -0.026 0.076 -0.083 0.012 0.044 -0.088 0.027
0.204 -0.075 0.098 1 -0.134 0.11 0.218 -0.136 -0.189 -0.16 0.037
-0.072 -0.073 -0.026 -0.134 1 -0.055 0.154 -0.109 0.278 0.083 -0.194
-0.214 0.242 0.076 0.11 -0.055 1 0.117 -0.036 0.114 -0.113 0.097
-0.013 -0.061 -0.083 0.218 0.154 0.117 1 -0.097 0.011 -0.076 -0.035
-0.036 0.061 0.012 -0.136 -0.109 -0.036 -0.097 1 -0.058 -0.095 0.1
0.05 0.055 0.044 -0.189 0.278 0.114 0.011 -0.058 1 0.104 -0.285
-0.08 -0.105 -0.088 -0.16 0.083 -0.113 -0.076 -0.095 0.104 1 -0.028
-0.258 0.04 0.027 0.037 -0.194 0.097 -0.035 0.1 -0.285 -0.028 1

age group 1, sex=N, urban=rural

0

age group 2, sex=N, urban=rural

0

age group 3, sex=N, urban=rural

0

age group 4, sex=N, urban=rural

0

age group 5, sex=N, urban=rural

0

age group 6, sex=N, urban=rural

1

83.33 0 0 177.5 52 50.4 0 0 339.51 9.45 542.5

A.2 FALL

age group 1, sex=M, urban=city

28

25.31 16.12 0 71.25 4.53 57.75 56.15 0 613.09 2.95 115.05
 39.57 34.57 0 70.29 10.51 62.96 64.32 0 353.88 10.88 162.06
 1 0.489 NA -0.154 0.253 -0.11 -0.02 NA 0.281 -0.024 -0.238
 0.489 1 NA 0.205 0.215 -0.159 0.044 NA 0.175 -0.069 -0.199
 NA NA NA NA NA NA NA NA NA NA NA
 -0.154 0.205 NA 1 0.025 -0.127 0.626 NA 0.258 -0.076 0.104
 0.253 0.215 NA 0.025 1 0.254 -0.077 NA 0.089 -0.067 0.067
 -0.11 -0.159 NA -0.127 0.254 1 0.119 NA -0.097 0.2 0.21
 -0.02 0.044 NA 0.626 -0.077 0.119 1 NA 0.305 -0.054 0.23
 NA NA NA NA NA NA NA NA NA NA NA
 0.281 0.175 NA 0.258 0.089 -0.097 0.305 NA 1 0.027 -0.259
 -0.024 -0.069 NA -0.076 -0.067 0.2 -0.054 NA 0.027 1 -0.098
 -0.238 -0.199 NA 0.104 0.067 0.21 0.23 NA -0.259 -0.098 1

age group 2, sex=M, urban=city

164

84.47 18.12 8.53 85.22 20.73 162.95 49.66 0.08 450.16 9.27 343.92
 66.37 25.14 19.38 69.68 23.31 89.35 71.72 0.8 234.56 16.77 192.2
 1 -0.072 -0.063 0.234 0.077 -0.051 -0.005 -0.044 0.139 -0.024 0.087
 -0.072 1 -0.07 0.096 -0.023 -0.092 -0.121 0.072 0.068 -0.028 -0.11
 -0.063 -0.07 1 0.074 0.034 0.151 -0.04 0.199 -0.012 0.003 -0.019
 0.234 0.096 0.074 1 -0.145 0.016 0.006 -0.029 0.163 0.108 0.067
 0.077 -0.023 0.034 -0.145 1 -0.133 -0.091 0.128 -0.026 -0.14 0.05
 -0.051 -0.092 0.151 0.016 -0.133 1 0.061 0.009 -0.054 -0.014 0.245
 -0.005 -0.121 -0.04 0.006 -0.091 0.061 1 -0.071 0.023 0.209 -0.012
 -0.044 0.072 0.199 -0.029 0.128 0.009 -0.071 1 0.141 0.034 -0.054
 0.139 0.068 -0.012 0.163 -0.026 -0.054 0.023 0.141 1 -0.014 -0.175
 -0.024 -0.028 0.003 0.108 -0.14 -0.014 0.209 0.034 -0.014 1 0.019
 0.087 -0.11 -0.019 0.067 0.05 0.245 -0.012 -0.054 -0.175 0.019 1

age group 3, sex=M, urban=city

217

122.71 22.58 20.51 133.51 15.44 213.97 61.21 0.93 531.64 9.79 395.14
 78.77 28.88 30.45 91.73 23.05 100.31 68.93 8.08 236.35 17.83 211.32
 1 -0.111 0.144 0.246 0.123 0.114 0.108 -0.101 0.064 0.093 -0.052
 -0.111 1 0.048 0.034 0.042 -0.115 -0.109 -0.019 0.012 -0.039 0.06
 0.144 0.048 1 0.187 0.099 0.169 0.171 0.122 0.064 0.017 0.146
 0.246 0.034 0.187 1 0.004 0.105 0.08 -0.031 0.179 0.115 -0.049
 0.123 0.042 0.099 0.004 1 0.033 0.059 0.073 0.111 0.05 0.053
 0.114 -0.115 0.169 0.105 0.033 1 0.132 -0.066 0.176 -0.059 0.094
 0.108 -0.109 0.171 0.08 0.059 0.132 1 0.349 0.204 0.019 0.006
 -0.101 -0.019 0.122 -0.031 0.073 -0.066 0.349 1 -0.026 -0.054 -0.025
 0.064 0.012 0.064 0.179 0.111 0.176 0.204 -0.026 1 -0.021 -0.208
 0.093 -0.039 0.017 0.115 0.05 -0.059 0.019 -0.054 -0.021 1 0.002
 -0.052 0.06 0.146 -0.049 0.053 0.094 0.006 -0.025 -0.208 0.002 1

age group 4, sex=M, urban=city

267

155.66 28.32 26.56 166.94 19.23 254.56 59.42 0.62 610 9.82 425.82
88.24 36.99 37.37 115.07 25.59 128.15 71.92 5.68 284.73 18.93 293.55
1 -0.154 0.001 0.172 0.023 -0.026 -0.052 -0.123 0.048 -0.133 0.141
-0.154 1 0.029 0.154 -0.035 0.03 -0.009 -0.004 0.205 -0.145 -0.05
0.001 0.029 1 0.185 0.195 0.203 0.042 0.016 0.091 -0.003 0.13
0.172 0.154 0.185 1 0.11 0.046 0.015 -0.077 0.313 -0.045 0.083
0.023 -0.035 0.195 0.11 1 0.097 -0.037 -0.045 0.049 0.049 0.118
-0.026 0.03 0.203 0.046 0.097 1 0.074 -0.072 0.143 0.043 0.279
-0.052 -0.009 0.042 0.015 -0.037 0.074 1 0.068 0.048 0.044 -0.12
-0.123 -0.004 0.016 -0.077 -0.045 -0.072 0.068 1 0.025 -0.023 -0.074
0.048 0.205 0.091 0.313 0.049 0.143 0.048 0.025 1 -0.112 -0.255
-0.133 -0.145 -0.003 -0.045 0.049 0.043 0.044 -0.023 -0.112 1 0.081
0.141 -0.05 0.13 0.083 0.118 0.279 -0.12 -0.074 -0.255 0.081 1

age group 5, sex=M, urban=city

189

203.26 29.57 35.29 183.27 29.76 283.27 58.16 1.68 635.84 11.87 667.6
117.66 47.71 46.49 123.35 41.42 166.15 80.3 8.96 449.66 18.26 463.8
1 -0.235 0.017 0.153 -0.012 0.105 0.024 -0.022 0.051 0.025 0.157
-0.235 1 0.075 0.18 0.113 0.133 0.093 0.037 0.291 0.06 0.035
0.017 0.075 1 0.179 0.083 0.131 0.095 0.012 0.076 0.029 0.113
0.153 0.18 0.179 1 0.263 0.079 0.189 -0.002 0.164 0.128 -0.066
-0.012 0.113 0.083 0.263 1 0.041 -0.012 -0.072 0.094 0.241 -0.02
0.105 0.133 0.131 0.079 0.041 1 0.26 -0.043 0.3 0.115 0.194
0.024 0.093 0.095 0.189 -0.012 0.26 1 -0.025 0.171 -0.017 -0.036
-0.022 0.037 0.012 -0.002 -0.072 -0.043 -0.025 1 -0.057 -0.054 0.21
0.051 0.291 0.076 0.164 0.094 0.3 0.171 -0.057 1 0.085 -0.144
0.025 0.06 0.029 0.128 0.241 0.115 -0.017 -0.054 0.085 1 0.046
0.157 0.035 0.113 -0.066 -0.02 0.194 -0.036 0.21 -0.144 0.046 1

age group 6, sex=M, urban=city

680

198.47 32.1 50.45 187.78 35.02 216.44 58.04 3.03 290.62 21.49 1121.88
125.73 49.25 59.02 137.93 42.6 145.48 85.17 13.85 286.11 49.34 722
1 -0.17 -0.017 0.196 0.074 0.067 -0.01 -0.043 0.006 0.045 0.073
-0.17 1 0.071 0.15 0.025 -0.027 0.043 -0.046 -0.007 -0.035 -0.045
-0.017 0.071 1 0.087 0.041 -0.029 0.083 0.021 0.038 0.037 0.047
0.196 0.15 0.087 1 0.102 0.108 0.124 -0.031 0.1 -0.004 -0.004
0.074 0.025 0.041 0.102 1 -0.012 -0.039 -0.012 0.041 0.05 0.034
0.067 -0.027 -0.029 0.108 -0.012 1 0.071 -0.065 0.174 0.07 0.078
-0.01 0.043 0.083 0.124 -0.039 0.071 1 0.035 0.118 -0.01 -0.091
-0.043 -0.046 0.021 -0.031 -0.012 -0.065 0.035 1 -0.047 -0.001 0.087
0.006 -0.007 0.038 0.1 0.041 0.174 0.118 -0.047 1 0.03 -0.143
0.045 -0.035 0.037 -0.004 0.05 0.07 -0.01 -0.001 0.03 1 0.083
0.073 -0.045 0.047 -0.004 0.034 0.078 -0.091 0.087 -0.143 0.083 1

age group 1, sex=F, urban=city

34

26.06 16.26 5.13 66.19 5.44 51.68 55.52 0 552.64 0 134.35
49.55 39.08 17.75 103 16.47 74.88 86.32 0 339.09 0 391.23
1 0.399 0.256 0.329 -0.054 0.704 0.427 NA 0.256 NA -0.004
0.399 1 -0.049 0.089 0.142 0.175 0.194 NA 0.025 NA 0.269
0.256 -0.049 1 0.19 -0.098 -0.023 0.385 NA 0.135 NA 0.002
0.329 0.089 0.19 1 -0.155 0.331 0.253 NA 0.363 NA -0.043
-0.054 0.142 -0.098 -0.155 1 0.129 -0.219 NA -0.026 NA 0.758
0.704 0.175 -0.023 0.331 0.129 1 0.234 NA 0.372 NA -0.019
0.427 0.194 0.385 0.253 -0.219 0.234 1 NA -0.009 NA -0.103
NA NA NA NA NA NA NA NA NA NA NA
0.256 0.025 0.135 0.363 -0.026 0.372 -0.009 NA 1 NA -0.222
NA NA NA NA NA NA NA NA NA NA NA
-0.004 0.269 0.002 -0.043 0.758 -0.019 -0.103 NA -0.222 NA 1

age group 2, sex=F, urban=city

144

74.54 16.74 8.55 95.52 24.75 147.61 41.67 0.12 486.07 8 340.77
51.74 21.49 15.07 66.24 29.93 85.78 53.05 1.21 261.9 16.01 195.86
1 -0.076 -0.074 0.171 0.192 0.148 0.074 0.076 0.087 -0.153 0.026
-0.076 1 0.099 0.059 0.057 0.025 0.108 -0.076 0.055 -0.046 -0.117
-0.074 0.099 1 0.105 -0.042 0.125 0.096 0.056 -0.043 0.159 0.114
0.171 0.059 0.105 1 -0.008 0.093 0.187 -0.112 0.099 -0.057 -0.006
0.192 0.057 -0.042 -0.008 1 -0.156 0.065 0.065 0.059 0 -0.096
0.148 0.025 0.125 0.093 -0.156 1 0.08 0.022 0.342 -0.11 -0.054
0.074 0.108 0.096 0.187 0.065 0.08 1 0.018 0.196 0.004 -0.011
0.076 -0.076 0.056 -0.112 0.065 0.022 0.018 1 0.021 0.049 0.069
0.087 0.055 -0.043 0.099 0.059 0.342 0.196 0.021 1 -0.079 -0.279
-0.153 -0.046 0.159 -0.057 0 -0.11 0.004 0.049 -0.079 1 0.087
0.026 -0.117 0.114 -0.006 -0.096 -0.054 -0.011 0.069 -0.279 0.087 1

age group 3, sex=F, urban=city

224

104.02 23.77 22.78 124.98 19.03 201.05 54.73 0.45 499.33 7.33 386.82
65.93 34.36 33.28 86.99 22.84 105.89 59.59 3.71 229.11 12.16 221.45
1 -0.204 0.035 0.215 0.06 -0.096 0.004 0.06 0.063 -0.052 0.042
-0.204 1 -0.046 -0.123 0.036 -0.036 -0.123 0.082 -0.036 -0.011 -0.022
0.035 -0.046 1 0.281 0.061 0.194 0.112 0.004 0.009 -0.034 0.256
0.215 -0.123 0.281 1 -0.018 0.079 -0.039 -0.052 0.261 -0.081 0.111
0.06 0.036 0.061 -0.018 1 -0.007 0.082 -0.008 -0.041 0.296 0.093
-0.096 -0.036 0.194 0.079 -0.007 1 0.089 0.059 0.154 0.065 -0.031
0.004 -0.123 0.112 -0.039 0.082 0.089 1 -0.051 0.189 0.026 -0.053
0.06 0.082 0.004 -0.052 -0.008 0.059 -0.051 1 0.019 -0.045 -0.072
0.063 -0.036 0.009 0.261 -0.041 0.154 0.189 0.019 1 -0.073 -0.255
-0.052 -0.011 -0.034 -0.081 0.296 0.065 0.026 -0.045 -0.073 1 0.022
0.042 -0.022 0.256 0.111 0.093 -0.031 -0.053 -0.072 -0.255 0.022 1

age group 4, sex=F, urban=city

269

134.67 19.85 28.23 138.29 17.9 211.64 58.87 0.7 491.61 9.13 408.49
72.74 28.09 38.12 106.22 24.95 113.94 76.67 4.33 231.22 17.08 222.69
1 -0.176 0.213 0.321 0.133 0.095 0.097 0.088 0.133 -0.043 -0.023
-0.176 1 0.048 0.045 -0.059 -0.094 0.043 -0.014 -0.009 0.022 -0.03
0.213 0.048 1 0.246 0.119 0.085 0.053 0.007 0.063 0.038 0.087
0.321 0.045 0.246 1 0.04 0.075 0.087 -0.085 0.231 -0.024 -0.03
0.133 -0.059 0.119 0.04 1 -0.098 0.088 -0.062 -0.018 0.099 0.14
0.095 -0.094 0.085 0.075 -0.098 1 -0.016 0.131 0.16 -0.006 0.061
0.097 0.043 0.053 0.087 0.088 -0.016 1 -0.058 0.034 0.041 -0.064
0.088 -0.014 0.007 -0.085 -0.062 0.131 -0.058 1 0.031 -0.029 0.03
0.133 -0.009 0.063 0.231 -0.018 0.16 0.034 0.031 1 0.071 -0.196
-0.043 0.022 0.038 -0.024 0.099 -0.006 0.041 -0.029 0.071 1 0.038
-0.023 -0.03 0.087 -0.03 0.14 0.061 -0.064 0.03 -0.196 0.038 1

age group 5, sex=F, urban=city

213

140.42 25.23 28.19 132.19 18.31 181.21 42.57 0.67 355.39 11.23 574.84
89.84 35.32 39.46 107.65 28.66 113.16 64.05 6.23 242.58 20.29 357.26
1 -0.188 0.206 0.283 0.02 0.082 0.141 -0.089 0.095 -0.039 0.005
-0.188 1 -0.021 0.01 0.134 -0.102 0.067 -0.067 -0.071 -0.099 0.049
0.206 -0.021 1 0.109 0.075 -0.015 0.019 0.048 0.054 0.173 0.159
0.283 0.01 0.109 1 0.133 0.109 0.079 0.002 0.094 -0.083 0.165
0.02 0.134 0.075 0.133 1 0.066 -0.039 -0.065 0.103 0.053 0.152
0.082 -0.102 -0.015 0.109 0.066 1 -0.051 -0.065 0.143 -0.002 0.169
0.141 0.067 0.019 0.079 -0.039 -0.051 1 -0.058 0.163 0.075 -0.212
-0.089 -0.067 0.048 0.002 -0.065 -0.065 -0.058 1 -0.058 0.003 0.166
0.095 -0.071 0.054 0.094 0.103 0.143 0.163 -0.058 1 0.018 -0.255
-0.039 -0.099 0.173 -0.083 0.053 -0.002 0.075 0.003 0.018 1 -0.038
0.005 0.049 0.159 0.165 0.152 0.169 -0.212 0.166 -0.255 -0.038 1

age group 6, sex=F, urban=city

1144

125.34 28.74 46.16 139.84 23.21 151.06 51.54 3.2 205.31 17.66 927.72
89.25 43.13 54.84 99.53 31.57 107.94 76.7 17.32 196.19 31.7 492.48
1 -0.208 0.022 0.085 0.06 0.025 -0.063 -0.049 -0.031 -0.02 0.064
-0.208 1 0.032 0.002 -0.003 -0.065 0.043 -0.019 -0.039 -0.055 -0.009
0.022 0.032 1 0.104 0.095 -0.019 0.15 0.028 0.004 0.032 0.138
0.085 0.002 0.104 1 0.131 0.053 0.067 -0.003 0.092 0.04 0.053
0.06 -0.003 0.095 0.131 1 0.031 -0.035 -0.022 0.026 0.011 0.087
0.025 -0.065 -0.019 0.053 0.031 1 0.015 -0.057 0.173 0.05 0.058
-0.063 0.043 0.15 0.067 -0.035 0.015 1 -0.052 0.06 0.206 -0.016
-0.049 -0.019 0.028 -0.003 -0.022 -0.057 -0.052 1 -0.022 0.033 0.028
-0.031 -0.039 0.004 0.092 0.026 0.173 0.06 -0.022 1 0.081 -0.127
-0.02 -0.055 0.032 0.04 0.011 0.05 0.206 0.033 0.081 1 0.045
0.064 -0.009 0.138 0.053 0.087 0.058 -0.016 0.028 -0.127 0.045 1

age group 1, sex=N, urban=city
0

age group 2, sex=N, urban=city
0

age group 3, sex=N, urban=city
0

age group 4, sex=N, urban=city
0

age group 5, sex=N, urban=city
0

age group 6, sex=N, urban=city
9

108.38	25.59	42.66	161.75	25.41	228.95	52.57	1.9	434.31	13.16	984.9
65.73	27.38	44.46	117.7	40.97	213.94	75.39	5.7	283.53	21.7	580.61
1	-0.046	-0.253	0.594	-0.181	0.292	0.045	-0.484	0.572	-0.371	-0.364
-0.046	1	0.594	-0.013	-0.168	-0.54	-0.31	0.347	0.188	0.326	0.111
-0.253	0.594	1	0.038	0.502	-0.495	-0.645	0.83	-0.278	-0.063	0.095
0.594	-0.013	0.038	1	0.16	-0.136	-0.363	-0.387	-0.169	-0.001	-0.153
-0.181	-0.168	0.502	0.16	1	0.073	-0.342	0.549	-0.566	-0.338	0.193
0.292	-0.54	-0.495	-0.136	0.073	1	0.276	-0.219	0.134	-0.328	-0.247
0.045	-0.31	-0.645	-0.363	-0.342	0.276	1	-0.261	0.377	-0.13	-0.382
-0.484	0.347	0.83	-0.387	0.549	-0.219	-0.261	1	-0.324	-0.105	-0.087
0.572	0.188	-0.278	-0.169	-0.566	0.134	0.377	-0.324	1	-0.448	-0.077
-0.371	0.326	-0.063	-0.001	-0.338	-0.328	-0.13	-0.105	-0.448	1	-0.002
-0.364	0.111	0.095	-0.153	0.193	-0.247	-0.382	-0.087	-0.077	-0.002	1

age group 1, sex=M, urban=rural
14

21.86	12.94	1.91	69.44	9.05	39.8	73.3	0	532.22	4.37	50.72
39.39	21.51	7.13	91.55	19.46	41.83	85.21	0	363.64	12.02	74.51
1	0.307	0.094	0.142	-0.1	0.905	0.44	NA	-0.001	0.198	0.233
0.307	1	0.077	0.024	-0.187	0.425	0.164	NA	0.43	-0.235	-0.134
0.094	0.077	1	0.2	0.359	-0.088	0.037	NA	-0.063	-0.105	0.312
0.142	0.024	0.2	1	0.863	0.226	0.288	NA	0.177	0.863	0.064
-0.1	-0.187	0.359	0.863	1	-0.081	0.334	NA	0.128	0.709	0.065
0.905	0.425	-0.088	0.226	-0.081	1	0.583	NA	0.034	0.263	0.122
0.44	0.164	0.037	0.288	0.334	0.583	1	NA	0.151	0.167	0.049
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
-0.001	0.43	-0.063	0.177	0.128	0.034	0.151	NA	1	-0.032	-0.084
0.198	-0.235	-0.105	0.863	0.709	0.263	0.167	NA	-0.032	1	0.12
0.233	-0.134	0.312	0.064	0.065	0.122	0.049	NA	-0.084	0.12	1

age group 2, sex=M, urban=rural

77

87.63 10.43 4.7 103.84 15.15 150.58 50.63 0.33 447.43 9.06 364.83
58.3 18.6 9.77 123.43 18.03 69.04 69.61 2.27 229.99 16.88 252.55
1 -0.178 -0.026 0.16 -0.09 -0.013 -0.194 0.007 0.032 -0.002 0.133
-0.178 1 0.132 -0.077 -0.06 -0.231 -0.086 0.052 0.046 0.05 -0.05
-0.026 0.132 1 0.198 0.061 0.217 0.398 -0.001 -0.075 0.04 0.183
0.16 -0.077 0.198 1 0.273 0.205 0.005 -0.005 0.061 -0.108 0.289
-0.09 -0.06 0.061 0.273 1 0.002 -0.186 0.134 0.191 0.064 0.001
-0.013 -0.231 0.217 0.205 0.002 1 0.265 0.048 0.015 -0.143 0.263
-0.194 -0.086 0.398 0.005 -0.186 0.265 1 -0.057 -0.242 0.089 0.365
0.007 0.052 -0.001 -0.005 0.134 0.048 -0.057 1 -0.232 0.247 0.141
0.032 0.046 -0.075 0.061 0.191 0.015 -0.242 -0.232 1 -0.046 -0.161
-0.002 0.05 0.04 -0.108 0.064 -0.143 0.089 0.247 -0.046 1 -0.107
0.133 -0.05 0.183 0.289 0.001 0.263 0.365 0.141 -0.161 -0.107 1

age group 3, sex=M, urban=rural

89

114.9 23.62 11.89 143.49 17.91 226.88 45.83 0.09 590.79 10.28 367.95
68.81 31.41 18.94 99.92 24.23 94.64 56.99 0.85 246.31 17 214.31
1 -0.026 0.116 0.128 -0.13 0.212 -0.032 -0.035 0.025 0.056 0.23
-0.026 1 0.181 0.391 -0.035 0.036 -0.027 -0.081 0.311 0.158 -0.229
0.116 0.181 1 0.228 -0.025 0.161 0.175 -0.015 0.171 0.14 -0.069
0.128 0.391 0.228 1 -0.002 0.121 0.063 -0.05 0.318 0.123 -0.021
-0.13 -0.035 -0.025 -0.002 1 -0.025 -0.003 -0.079 0.03 0.196 -0.04
0.212 0.036 0.161 0.121 -0.025 1 0.066 -0.123 0.206 -0.066 0.186
-0.032 -0.027 0.175 0.063 -0.003 0.066 1 -0.077 0.131 0.139 -0.08
-0.035 -0.081 -0.015 -0.05 -0.079 -0.123 -0.077 1 0.202 0.253 -0.021
0.025 0.311 0.171 0.318 0.03 0.206 0.131 0.202 1 0.37 -0.237
0.056 0.158 0.14 0.123 0.196 -0.066 0.139 0.253 0.37 1 0.049
0.23 -0.229 -0.069 -0.021 -0.04 0.186 -0.08 -0.021 -0.237 0.049 1

age group 4, sex=M, urban=rural

113

149.38 35.85 18.76 195.2 18.34 264.96 70.57 1 628.55 8.07 404.7
86.63 47.66 25.71 156.48 27.17 138.16 87.32 7.65 338.71 13.24 297.07
1 -0.033 -0.102 0.223 -0.193 -0.096 0.212 0.07 -0.027 -0.016 0.157
-0.033 1 -0.031 0.087 -0.189 -0.006 0.155 -0.026 0.251 0.174 -0.082
-0.102 -0.031 1 0.186 0.062 0.214 0.098 -0.049 0.242 0.083 -0.12
0.223 0.087 0.186 1 -0.129 0.216 0.041 -0.022 0.207 -0.012 -0.092
-0.193 -0.189 0.062 -0.129 1 -0.056 -0.077 -0.089 -0.202 -0.084 0.119
-0.096 -0.006 0.214 0.216 -0.056 1 0.058 -0.084 0.14 0.141 0.314
0.212 0.155 0.098 0.041 -0.077 0.058 1 -0.037 0.161 0.102 -0.018
0.07 -0.026 -0.049 -0.022 -0.089 -0.084 -0.037 1 0.098 -0.043 -0.134
-0.027 0.251 0.242 0.207 -0.202 0.14 0.161 0.098 1 0.174 -0.142
-0.016 0.174 0.083 -0.012 -0.084 0.141 0.102 -0.043 0.174 1 0.06
0.157 -0.082 -0.12 -0.092 0.119 0.314 -0.018 -0.134 -0.142 0.06 1

age group 5, sex=M, urban=rural

74

203.03 34.14 19.68 230.24 23.8 296.79 69.21 0.34 669.02 11.9 577.19
134.26 66.27 32.57 169.04 30.5 160.59 123.35 2.91 441 22.38 419.76
1 -0.115 -0.027 0.073 -0.038 0.003 -0.086 0.045 -0.037 0.038 0.033
-0.115 1 0.026 -0.133 -0.014 -0.016 -0.046 0.027 -0.152 0.009 0.006
-0.027 0.026 1 -0.013 -0.035 0.135 0.007 0.012 -0.013 0.039 -0.146
0.073 -0.133 -0.013 1 -0.002 -0.124 0.234 0.018 0.167 0.163 -0.27
-0.038 -0.014 -0.035 -0.002 1 0.069 -0.046 -0.092 0.073 0.09 0.297
0.003 -0.016 0.135 -0.124 0.069 1 0.026 -0.02 0.09 0.173 0.222
-0.086 -0.046 0.007 0.234 -0.046 0.026 1 0.099 0.143 0.009 -0.098
0.045 0.027 0.012 0.018 -0.092 -0.02 0.099 1 0.029 0.428 0.015
-0.037 -0.152 -0.013 0.167 0.073 0.09 0.143 0.029 1 0.056 -0.278
0.038 0.009 0.039 0.163 0.09 0.173 0.009 0.428 0.056 1 0.083
0.033 0.006 -0.146 -0.27 0.297 0.222 -0.098 0.015 -0.278 0.083 1

age group 6, sex=M, urban=rural

263

205.15 32.65 35.61 197.96 33.33 231.84 65.95 2.62 352.1 21.95 1066.77
146.11 57.25 48.81 143.95 44.61 143.88 96.06 13.74 295.32 39.04 662.5
1 -0.121 0.068 0.14 0.079 0.137 -0.081 -0.078 0.05 -0.11 0.177
-0.121 1 0.023 -0.009 -0.074 0.035 -0.013 0.143 0.051 -0.049 0.16
0.068 0.023 1 0.088 -0.111 -0.07 0.077 0.053 0.017 0.056 -0.036
0.14 -0.009 0.088 1 -0.031 0.031 0.164 -0.023 0.035 0.036 0.04
0.079 -0.074 -0.111 -0.031 1 0.062 -0.004 -0.08 -0.089 -0.022 0.146
0.137 0.035 -0.07 0.031 0.062 1 0.141 -0.101 0.213 0.07 0.13
-0.081 -0.013 0.077 0.164 -0.004 0.141 1 -0.052 -0.073 0.187 -0.048
-0.078 0.143 0.053 -0.023 -0.08 -0.101 -0.052 1 -0.05 -0.038 0.055
0.05 0.051 0.017 0.035 -0.089 0.213 -0.073 -0.05 1 -0.046 -0.291
-0.11 -0.049 0.056 0.036 -0.022 0.07 0.187 -0.038 -0.046 1 0.112
0.177 0.16 -0.036 0.04 0.146 0.13 -0.048 0.055 -0.291 0.112 1

age group 1, sex=F, urban=rural

20

17.14 25.23 0 52.34 1.93 58.13 47.59 0 547.69 3.06 37.21
40.45 63.44 0 78.36 7.49 86.54 64 0 310.67 10.17 54.16
1 0.787 NA 0.202 0.55 0.412 0.636 NA 0.049 0.01 0.16
0.787 1 NA -0.018 0.709 0.447 0.342 NA -0.04 -0.126 -0.014
NA NA NA NA NA NA NA NA NA NA NA
0.202 -0.018 NA 1 0.13 0.45 0.332 NA 0.271 0.772 0.732
0.55 0.709 NA 0.13 1 -0.025 0.122 NA -0.076 -0.082 0.064
0.412 0.447 NA 0.45 -0.025 1 0.263 NA 0.238 0.486 0.245
0.636 0.342 NA 0.332 0.122 0.263 1 NA 0.391 -0.021 0.398
NA NA NA NA NA NA NA NA NA NA NA
0.049 -0.04 NA 0.271 -0.076 0.238 0.391 NA 1 0.111 0.325
0.01 -0.126 NA 0.772 -0.082 0.486 -0.021 NA 0.111 1 0.734
0.16 -0.014 NA 0.732 0.064 0.245 0.398 NA 0.325 0.734 1

age group 2, sex=F, urban=rural

55

77.06 13.23 4.15 83.53 15.29 139.26 47.02 0.12 392.43 5.75 313.94
68.48 19.5 10.04 65.5 20.88 77.85 51.54 0.64 221.39 10.54 206.32
1 -0.234 0.031 0.419 0.213 -0.107 0.035 -0.174 -0.053 -0.208 0.094
-0.234 1 0.17 0.044 -0.019 -0.16 0.043 0.061 -0.257 -0.083 -0.098
0.031 0.17 1 -0.005 0.055 -0.061 -0.036 -0.079 -0.127 -0.091 0.03
0.419 0.044 -0.005 1 -0.047 0.07 -0.09 -0.16 -0.068 -0.192 0.094
0.213 -0.019 0.055 -0.047 1 -0.039 0.047 0.013 0.05 0.08 0.146
-0.107 -0.16 -0.061 0.07 -0.039 1 0.169 -0.088 0.061 0.108 0.186
0.035 0.043 -0.036 -0.09 0.047 0.169 1 -0.021 -0.005 -0.082 0.21
-0.174 0.061 -0.079 -0.16 0.013 -0.088 -0.021 1 -0.121 -0.003 0.255
-0.053 -0.257 -0.127 -0.068 0.05 0.061 -0.005 -0.121 1 -0.026 -0.015
-0.208 -0.083 -0.091 -0.192 0.08 0.108 -0.082 -0.003 -0.026 1 -0.015
0.094 -0.098 0.03 0.094 0.146 0.186 0.21 0.255 -0.015 -0.015 1

age group 3, sex=F, urban=rural

87

111.12 17.3 15.25 143.48 12.12 206.74 74.54 0.56 588.66 12.49 362.49
82.08 30.4 20.27 93.7 19.53 98.3 81.07 3.52 258.64 22.7 220.25
1 -0.066 -0.062 0.336 0.123 0.012 0.151 -0.035 0.216 -0.036 0.033
-0.066 1 -0.069 0.212 -0.115 -0.003 -0.094 -0.086 0.153 -0.098 -0.168
-0.062 -0.069 1 -0.098 0.134 -0.124 0.122 -0.019 -0.04 0.188 0.085
0.336 0.212 -0.098 1 0.111 0.163 0.155 0.001 0.127 0.005 0.027
0.123 -0.115 0.134 0.111 1 0.149 -0.068 0.051 -0.081 0.072 0.016
0.012 -0.003 -0.124 0.163 0.149 1 0.038 -0.101 0.123 0.007 -0.023
0.151 -0.094 0.122 0.155 -0.068 0.038 1 -0.13 -0.006 0.108 0.138
-0.035 -0.086 -0.019 0.001 0.051 -0.101 -0.13 1 -0.07 0.306 0.077
0.216 0.153 -0.04 0.127 -0.081 0.123 -0.006 -0.07 1 0.015 -0.15
-0.036 -0.098 0.188 0.005 0.072 0.007 0.108 0.306 0.015 1 0.057
0.033 -0.168 0.085 0.027 0.016 -0.023 0.138 0.077 -0.15 0.057 1

age group 4, sex=F, urban=rural

87

132.22 22.87 16.27 164.27 13.02 211.41 68.69 0.87 535.89 7.08 398.62
77.65 39.6 27.56 109.49 22.45 113.32 74.56 8.11 301.88 11.17 231.36
1 -0.017 0.013 0.089 -0.058 -0.093 0.006 -0.008 0.19 0.098 0.026
-0.017 1 0.105 0.272 -0.203 0.05 0.057 -0.063 0.281 0.114 -0.037
0.013 0.105 1 0.453 0.225 0.17 0.187 -0.064 0.108 -0.113 -0.04
0.089 0.272 0.453 1 -0.107 -0.019 0.131 0.094 0.303 0.048 -0.181
-0.058 -0.203 0.225 -0.107 1 0.034 0.13 -0.063 -0.087 -0.12 0.12
-0.093 0.05 0.17 -0.019 0.034 1 0.212 0.01 0.153 -0.034 0.165
0.006 0.057 0.187 0.131 0.13 0.212 1 0.034 0.274 -0.025 -0.062
-0.008 -0.063 -0.064 0.094 -0.063 0.01 0.034 1 -0.015 0.24 0.118
0.19 0.281 0.108 0.303 -0.087 0.153 0.274 -0.015 1 0.182 -0.17
0.098 0.114 -0.113 0.048 -0.12 -0.034 -0.025 0.24 0.182 1 0.035
0.026 -0.037 -0.04 -0.181 0.12 0.165 -0.062 0.118 -0.17 0.035 1

age group 5, sex=F, urban=rural

108

124.76 17.88 21.72 145.32 15.04 167.1 34.71 2.45 472.7 10.39 442.41
96.1 32.16 33.17 121.58 23.97 102.81 57.09 18.1 301.02 21.14 251.94
1 -0.104 -0.104 0.159 0.168 0.06 -0.026 0 0.28 -0.161 -0.059
-0.104 1 0.064 -0.093 -0.094 -0.13 0.055 -0.076 -0.037 0.219 0.1
-0.104 0.064 1 0.201 0.206 -0.045 0.111 0.006 0.052 0.17 -0.002
0.159 -0.093 0.201 1 0.153 -0.042 0.172 0.245 -0.003 0.053 0.054
0.168 -0.094 0.206 0.153 1 0.087 0.029 0.103 0.276 -0.011 -0.112
0.06 -0.13 -0.045 -0.042 0.087 1 0.127 0.113 0.245 0.012 -0.08
-0.026 0.055 0.111 0.172 0.029 0.127 1 -0.083 0.159 0.016 0.074
0 -0.076 0.006 0.245 0.103 0.113 -0.083 1 -0.127 0.09 0.134
0.28 -0.037 0.052 -0.003 0.276 0.245 0.159 -0.127 1 0.044 -0.37
-0.161 0.219 0.17 0.053 -0.011 0.012 0.016 0.09 0.044 1 0.107
-0.059 0.1 -0.002 0.054 -0.112 -0.08 0.074 0.134 -0.37 0.107 1

age group 6, sex=F, urban=rural

461

120.7 23.56 34.76 139.83 18.3 160.93 59.06 1.3 217.15 17.36 968.36
100.8 36.28 45.34 101.82 27.56 104.94 81.24 9.43 236.14 31.6 542.64
1 -0.159 0.018 0.099 -0.023 -0.083 -0.082 -0.035 -0.01 -0.011 0.145
-0.159 1 -0.013 0.067 -0.119 -0.017 0.005 -0.033 -0.042 0.022 -0.025
0.018 -0.013 1 0.185 0.034 -0.056 0.146 0.055 -0.001 0.164 0.019
0.099 0.067 0.185 1 0.054 0.09 0.119 0.024 0.064 0.058 0.041
-0.023 -0.119 0.034 0.054 1 0.045 0.071 0.04 0.125 0.036 -0.004
-0.083 -0.017 -0.056 0.09 0.045 1 0.107 -0.065 0.223 -0.011 0.048
-0.082 0.005 0.146 0.119 0.071 0.107 1 -0.07 0.088 0.141 -0.05
-0.035 -0.033 0.055 0.024 0.04 -0.065 -0.07 1 -0.064 0.003 0.042
-0.01 -0.042 -0.001 0.064 0.125 0.223 0.088 -0.064 1 -0.006 -0.057
-0.011 0.022 0.164 0.058 0.036 -0.011 0.141 0.003 -0.006 1 -0.049
0.145 -0.025 0.019 0.041 -0.004 0.048 -0.05 0.042 -0.057 -0.049 1

age group 1, sex=N, urban=rural

0

age group 2, sex=N, urban=rural

0

age group 3, sex=N, urban=rural

0

age group 4, sex=N, urban=rural

0

age group 5, sex=N, urban=rural

1

48.62 0 80 87.83 89.33 372.36 70.67 0 1407 75.33 232.39

age group 6, sex=N, urban=rural

4

133.26 16.75 38.54 299.32 35.25 203.37 65.38 0 408.72 28.81 750.15
104.92 19.86 24.79 155.19 30.84 123.26 93.75 0 198.45 44.92 193.47
1 0.575 0.74 -0.909 -0.383 -0.885 -0.879 NA -0.479 -0.835 -0.573
0.575 1 0.054 -0.809 -0.755 -0.305 -0.47 NA -0.75 -0.524 -0.129
0.74 0.054 1 -0.626 -0.31 -0.573 -0.906 NA -0.417 -0.865 -0.923
-0.909 -0.809 -0.626 1 0.725 0.628 0.891 NA 0.788 0.902 0.612
-0.383 -0.755 -0.31 0.725 1 -0.081 0.618 NA 0.993 0.713 0.569
-0.885 -0.305 -0.573 0.628 -0.081 1 0.602 NA 0.02 0.509 0.261
-0.879 -0.47 -0.906 0.891 0.618 0.602 1 NA 0.709 0.992 0.886
NA NA NA NA NA NA NA NA NA NA NA
-0.479 -0.75 -0.417 0.788 0.993 0.02 0.709 NA 1 0.792 0.647
-0.835 -0.524 -0.865 0.902 0.713 0.509 0.992 NA 0.792 1 0.894
-0.573 -0.129 -0.923 0.612 0.569 0.261 0.886 NA 0.647 0.894 1

West Results, n, means, std, and covariance matrix if present

age group 1, sex=M, urban=city

7

27.04 17.81 0 84.18 6.1 33.51 63.32 0 665.91 1.68 41.58
37.09 30.81 0 86.74 16.13 25.96 66.7 0 325.99 4.45 50.66
1 -0.147 NA -0.191 0.521 0.55 0.22 NA 0.495 -0.321 0.702
-0.147 1 NA 0.56 -0.255 0.146 0.695 NA 0.141 0.515 0.472
NA NA NA NA NA NA NA NA NA NA NA
-0.191 0.56 NA 1 -0.102 0.291 0.41 NA 0.245 0.843 -0.032
0.521 -0.255 NA -0.102 1 0.477 -0.419 NA 0.529 -0.167 0.416
0.55 0.146 NA 0.291 0.477 1 0.475 NA 0.548 -0.205 0.646
0.22 0.695 NA 0.41 -0.419 0.475 1 NA 0.145 0.108 0.546
NA NA NA NA NA NA NA NA NA NA NA
0.495 0.141 NA 0.245 0.529 0.548 0.145 NA 1 0.091 0.493
-0.321 0.515 NA 0.843 -0.167 -0.205 0.108 NA 0.091 1 -0.23
0.702 0.472 NA -0.032 0.416 0.646 0.546 NA 0.493 -0.23 1

age group 2, sex=M, urban=city

49

76.83 17.17 13.59 83.65 28.31 150.22 43.71 0 465.73 8.43 342.14
52.95 22.35 28.41 57.46 27.33 83.26 62.39 0 218.78 15.59 211.29
1 -0.012 -0.073 0.027 0.335 0.01 0.081 NA 0.087 -0.126 0.099
-0.012 1 -0.111 0.101 -0.002 -0.125 -0.105 NA -0.198 -0.123 0.107
-0.073 -0.111 1 0.178 -0.244 0.41 -0.073 NA -0.042 0.01 -0.045
0.027 0.101 0.178 1 -0.071 0.085 0.018 NA 0.302 0.043 0.003
0.335 -0.002 -0.244 -0.071 1 -0.297 -0.252 NA -0.128 -0.293 0.162
0.01 -0.125 0.41 0.085 -0.297 1 0.166 NA -0.218 0.104 0.032
0.081 -0.105 -0.073 0.018 -0.252 0.166 1 NA -0.053 0.171 -0.069
NA NA NA NA NA NA NA NA NA NA NA
0.087 -0.198 -0.042 0.302 -0.128 -0.218 -0.053 NA 1 0.105 -0.08
-0.126 -0.123 0.01 0.043 -0.293 0.104 0.171 NA 0.105 1 -0.041
0.099 0.107 -0.045 0.003 0.162 0.032 -0.069 NA -0.08 -0.041 1

age group 3, sex=M, urban=city

43

124.58 20.64 26.21 129.06 23.88 232.66 76.08 2.56 515.45 7.19 434.93
93.22 27.91 33.73 91.96 28.89 125.92 84.62 16.77 240.96 10.33 248.94
1 -0.162 0.079 0.242 -0.141 0.335 -0.169 -0.162 -0.015 -0.245 0.007
-0.162 1 0.008 -0.022 0.009 -0.217 -0.085 0.043 -0.139 -0.215 0.165
0.079 0.008 1 0.407 -0.012 0.148 0.317 0.307 0.369 0.015 0.066
0.242 -0.022 0.407 1 -0.083 0.267 0.012 0.016 0.219 -0.259 0.016
-0.141 0.009 -0.012 -0.083 1 0.093 -0.028 0.141 0.138 0.121 0.263
0.335 -0.217 0.148 0.267 0.093 1 0.18 -0.079 0.316 -0.017 0.263
-0.169 -0.085 0.317 0.012 -0.028 0.18 1 0.671 0.204 0.181 0.116
-0.162 0.043 0.307 0.016 0.141 -0.079 0.671 1 -0.018 -0.109 -0.023
-0.015 -0.139 0.369 0.219 0.138 0.316 0.204 -0.018 1 0.118 -0.039
-0.245 -0.215 0.015 -0.259 0.121 -0.017 0.181 -0.109 0.118 1 -0.023
0.007 0.165 0.066 0.016 0.263 0.263 0.116 -0.023 -0.039 -0.023 1

age group 4, sex=M, urban=city

73

148.66 28.95 36.42 184.25 25.63 269.79 41.05 1.49 633.08 9.35 466.26
85.56 37.67 48.25 150.49 30.74 167.58 48.66 10.12 304.65 15.35 381.18
1 -0.367 0.046 0.158 0.051 0.093 -0.146 -0.201 -0.114 -0.102 0.257
-0.367 1 0.04 0.199 0.093 -0.029 -0.025 0.049 0.243 -0.213 -0.109
0.046 0.04 1 0.189 0.326 0.229 0.287 -0.016 -0.02 0.005 0.1
0.158 0.199 0.189 1 0.329 0.126 0.082 -0.102 0.515 -0.105 0.082
0.051 0.093 0.326 0.329 1 0.143 0.026 -0.1 0.009 0.085 0.156
0.093 -0.029 0.229 0.126 0.143 1 0.306 -0.122 0.204 -0.053 0.367
-0.146 -0.025 0.287 0.082 0.026 0.306 1 0.21 0.301 -0.017 -0.003
-0.201 0.049 -0.016 -0.102 -0.1 -0.122 0.21 1 0.051 -0.008 -0.111
-0.114 0.243 -0.02 0.515 0.009 0.204 0.301 0.051 1 -0.146 -0.167
-0.102 -0.213 0.005 -0.105 0.085 -0.053 -0.017 -0.008 -0.146 1 0.076
0.257 -0.109 0.1 0.082 0.156 0.367 -0.003 -0.111 -0.167 0.076 1

age group 5, sex=M, urban=city

57

197.4 24.71 40.98 218.51 38.63 269.85 54.37 1.68 610.4 13.76 592.46
130.49 47.55 50.22 162.49 46.92 170 82.01 6.98 386.07 19.62 310.07
1 -0.289 -0.171 0.201 0.175 -0.038 -0.127 -0.185 0.001 -0.004 -0.173
-0.289 1 0.125 0.114 0.236 0.083 0.324 -0.099 0.371 0.262 0.096
-0.171 0.125 1 0.075 0.118 0.32 0.351 -0.078 0.217 -0.034 0.296
0.201 0.114 0.075 1 0.598 0.16 0.176 -0.109 0.218 0.332 -0.122
0.175 0.236 0.118 0.598 1 0.097 0.172 -0.145 0.16 0.27 0.131
-0.038 0.083 0.32 0.16 0.097 1 0.311 -0.088 0.279 0.211 0.355
-0.127 0.324 0.351 0.176 0.172 0.311 1 -0.124 0.244 0.323 0.105
-0.185 -0.099 -0.078 -0.109 -0.145 -0.088 -0.124 1 0.088 -0.004 -0.053
0.001 0.371 0.217 0.218 0.16 0.279 0.244 0.088 1 0.375 -0.14
-0.004 0.262 -0.034 0.332 0.27 0.211 0.323 -0.004 0.375 1 0.084
-0.173 0.096 0.296 -0.122 0.131 0.355 0.105 -0.053 -0.14 0.084 1

age group 6, sex=M, urban=city

187

188.83 31.93 54.01 189 44.76 224.08 55.58 2.95 362.78 25.11 1198.37
122.6 45.8 57.5 143.73 50.03 158.03 81.64 13.19 349.36 47.04 955.62
1 -0.009 0.036 0.239 0.057 0.229 0.027 -0.133 0.071 0.155 0.15
-0.009 1 0.012 0.022 0.007 0.068 0.074 -0.05 0.039 0.012 -0.006
0.036 0.012 1 0.185 0.071 0.02 0.186 -0.018 0.183 0.13 0.006
0.239 0.022 0.185 1 0.064 0.255 0.09 -0.016 0.119 -0.073 0.004
0.057 0.007 0.071 0.064 1 0.018 -0.039 0.066 0.11 -0.003 0.142
0.229 0.068 0.02 0.255 0.018 1 0.05 -0.069 0.153 -0.086 0.125
0.027 0.074 0.186 0.09 -0.039 0.05 1 -0.034 0.09 0.024 -0.164
-0.133 -0.05 -0.018 -0.016 0.066 -0.069 -0.034 1 -0.148 -0.07 0.14
0.071 0.039 0.183 0.119 0.11 0.153 0.09 -0.148 1 0.113 -0.171
0.155 0.012 0.13 -0.073 -0.003 -0.086 0.024 -0.07 0.113 1 0.065
0.15 -0.006 0.006 0.004 0.142 0.125 -0.164 0.14 -0.171 0.065 1

age group 1, sex=F, urban=city

9

36.7 19.48 0 52.73 13.56 60.9 37.92 0 474.58 0 295.34
72.74 32.64 0 88.56 27.92 90.21 75.25 0 339.22 0 750.16
1 -0.107 NA 0.886 -0.156 0.954 0.633 NA 0.475 NA -0.204
-0.107 1 NA 0.285 0.258 0.034 -0.068 NA -0.19 NA 0.437
NA NA NA NA NA NA NA NA NA NA NA
0.886 0.285 NA 1 -0.293 0.908 0.623 NA 0.433 NA -0.231
-0.156 0.258 NA -0.293 1 -0.128 -0.275 NA -0.3 NA 0.848
0.954 0.034 NA 0.908 -0.128 1 0.522 NA 0.627 NA -0.252
0.633 -0.068 NA 0.623 -0.275 0.522 1 NA 0.089 NA -0.223
NA NA NA NA NA NA NA NA NA NA NA
0.475 -0.19 NA 0.433 -0.3 0.627 0.089 NA 1 NA -0.482
NA NA NA NA NA NA NA NA NA NA NA
-0.204 0.437 NA -0.231 0.848 -0.252 -0.223 NA -0.482 NA 1

age group 2, sex=F, urban=city

38

72.53 17.41 11.43 86.94 32.75 131.11 36.18 0.38 497.09 11.1 347.95
54.47 19.73 17.03 54.26 34.68 79.24 39.63 2.32 226.2 19.48 241.66
1 -0.164 -0.168 0.126 0.27 0.049 0.187 0.18 -0.205 -0.132 0.024
-0.164 1 0.028 0.107 0.18 0.132 0.039 -0.147 0.16 -0.186 -0.173
-0.168 0.028 1 0.086 -0.028 0.433 0.28 0.084 0.022 0.093 0.22
0.126 0.107 0.086 1 -0.071 0.072 0.003 -0.204 0.007 -0.085 -0.043
0.27 0.18 -0.028 -0.071 1 -0.244 0.269 0.083 -0.245 -0.043 0.041
0.049 0.132 0.433 0.072 -0.244 1 0.056 0.086 0.056 -0.049 0.09
0.187 0.039 0.28 0.003 0.269 0.056 1 0.041 -0.018 -0.072 0.181
0.18 -0.147 0.084 -0.204 0.083 0.086 0.041 1 0.008 0.042 0.121
-0.205 0.16 0.022 0.007 -0.245 0.056 -0.018 0.008 1 0.139 -0.167
-0.132 -0.186 0.093 -0.085 -0.043 -0.049 -0.072 0.042 0.139 1 -0.034
0.024 -0.173 0.22 -0.043 0.041 0.09 0.181 0.121 -0.167 -0.034 1

age group 3, sex=F, urban=city

55

117.19 19.34 33.09 139.47 21.93 201.05 55.74 0 528.62 8.9 401.25
90.77 23.84 45.64 88.66 24.45 99.88 57.8 0 271.56 12.09 228.95
1 -0.094 0.013 0.253 -0.049 -0.079 -0.059 NA -0.135 -0.192 -0.049
-0.094 1 -0.115 0.033 -0.132 -0.061 -0.004 NA 0.252 -0.198 0.118
0.013 -0.115 1 0.431 0.116 0.246 0.02 NA 0.045 0.056 0.237
0.253 0.033 0.431 1 -0.016 0.262 -0.089 NA 0.346 -0.312 0.171
-0.049 -0.132 0.116 -0.016 1 0.034 0.221 NA 0.068 0.096 -0.011
-0.079 -0.061 0.246 0.262 0.034 1 0.222 NA 0.48 0.26 0.127
-0.059 -0.004 0.02 -0.089 0.221 0.222 1 NA 0.32 0.247 0.017
NA NA NA NA NA NA NA NA NA NA NA
-0.135 0.252 0.045 0.346 0.068 0.48 0.32 NA 1 -0.017 -0.291
-0.192 -0.198 0.056 -0.312 0.096 0.26 0.247 NA -0.017 1 0.212
-0.049 0.118 0.237 0.171 -0.011 0.127 0.017 NA -0.291 0.212 1

age group 4, sex=F, urban=city

66

143.49 20.88 39.14 132.38 23.61 212.51 65.84 0.68 528.05 6.35 422.04
84.81 26.73 53.26 94.06 27.19 104.54 79.67 3.89 231.1 10.54 193.27
1 -0.183 0.377 0.377 0.295 -0.112 0.009 0.079 0.065 -0.27 0.039
-0.183 1 0.041 0.052 0.079 -0.289 -0.003 0.016 0.063 0 0.069
0.377 0.041 1 0.494 0.251 0.09 0.006 -0.089 0.1 -0.066 0.25
0.377 0.052 0.494 1 0.399 0.057 0.007 -0.027 0.303 -0.145 0.279
0.295 0.079 0.251 0.399 1 -0.219 0.318 -0.155 -0.107 0.14 0.141
-0.112 -0.289 0.09 0.057 -0.219 1 -0.026 0.002 0.403 0.079 0.215
0.009 -0.003 0.006 0.007 0.318 -0.026 1 -0.014 -0.237 -0.029 0.091
0.079 0.016 -0.089 -0.027 -0.155 0.002 -0.014 1 0.169 -0.107 0.174
0.065 0.063 0.1 0.303 -0.107 0.403 -0.237 0.169 1 0.122 0.106
-0.27 0 -0.066 -0.145 0.14 0.079 -0.029 -0.107 0.122 1 0.116
0.039 0.069 0.25 0.279 0.141 0.215 0.091 0.174 0.106 0.116 1

age group 5, sex=F, urban=city

65

125.21 18.52 32.91 133.4 20.16 173.54 39.62 1.73 369.49 13.1 606.6
99.14 26.7 45.45 108.87 31.04 116.63 54.74 10.93 277.24 25.7 421.05
1 -0.309 0.256 0.347 0.259 0.065 0.104 -0.102 0.112 0.042 0.111
-0.309 1 -0.032 0.121 0.166 -0.001 -0.052 -0.1 0.014 -0.177 0.097
0.256 -0.032 1 0.187 0.247 -0.013 0.118 0.051 0.091 0.285 0.114
0.347 0.121 0.187 1 0.36 0.265 0.032 0.023 0.183 -0.075 0.3
0.259 0.166 0.247 0.36 1 0.191 0.14 -0.098 0.092 0.118 0.313
0.065 -0.001 -0.013 0.265 0.191 1 -0.142 -0.14 0.223 -0.191 0.256
0.104 -0.052 0.118 0.032 0.14 -0.142 1 -0.113 0.134 0.197 -0.202
-0.102 -0.1 0.051 0.023 -0.098 -0.14 -0.113 1 -0.077 -0.044 0.269
0.112 0.014 0.091 0.183 0.092 0.223 0.134 -0.077 1 0.036 -0.268
0.042 -0.177 0.285 -0.075 0.118 -0.191 0.197 -0.044 0.036 1 -0.189
0.111 0.097 0.114 0.3 0.313 0.256 -0.202 0.269 -0.268 -0.189 1

age group 6, sex=F, urban=city

328

126.95 28.17 58.08 142.06 26.03 147.92 61.51 3.38 239.35 18.63 990.03
95.06 45.73 67.64 101.61 32.59 110.65 90.18 16.26 230.02 28.78 630.58
1 -0.181 0.043 0.041 0.059 -0.027 -0.031 -0.028 -0.071 -0.002 0.122
-0.181 1 -0.003 0.041 0.017 -0.032 0.109 -0.06 -0.087 -0.038 0.02
0.043 -0.003 1 0.181 0.182 0.021 0.133 0.035 0 0.038 0.153
0.041 0.041 0.181 1 0.222 0.097 0.108 -0.06 0.075 0.106 0.15
0.059 0.017 0.182 0.222 1 0.009 -0.047 0.044 0.134 0.023 0.104
-0.027 -0.032 0.021 0.097 0.009 1 -0.003 -0.085 0.198 0.09 0.056
-0.031 0.109 0.133 0.108 -0.047 -0.003 1 -0.073 0.015 0.292 -0.066
-0.028 -0.06 0.035 -0.06 0.044 -0.085 -0.073 1 -0.06 0.013 0.067
-0.071 -0.087 0 0.075 0.134 0.198 0.015 -0.06 1 -0.005 -0.161
-0.002 -0.038 0.038 0.106 0.023 0.09 0.292 0.013 -0.005 1 0.062
0.122 0.02 0.153 0.15 0.104 0.056 -0.066 0.067 -0.161 0.062 1

age group 1, sex=N, urban=city

0

age group 2, sex=N, urban=city

0

age group 3, sex=N, urban=city

0

age group 4, sex=N, urban=city

0

age group 5, sex=N, urban=city

0

age group 6, sex=N, urban=city

4

96.67 25.27 32.23 114.27 0 174.34 46 0 552.64 14.41 1286.66
80.12 33.65 29.64 103.58 0 126.38 65.05 0 294.31 28.2 522.39
1 0.382 0.914 0.957 NA -0.338 -0.835 NA 0.724 -0.543 -0.305
0.382 1 0.718 0.25 NA -0.737 -0.498 NA 0.578 0.086 0.741
0.914 0.718 1 0.844 NA -0.622 -0.879 NA 0.746 -0.311 0.076
0.957 0.25 0.844 1 NA -0.416 -0.91 NA 0.494 -0.357 -0.464
NA NA NA NA NA NA NA NA NA NA NA
-0.338 -0.737 -0.622 -0.416 NA 1 0.756 NA -0.05 -0.549 -0.364
-0.835 -0.498 -0.879 -0.91 NA 0.756 1 NA -0.355 -0.008 0.185
NA NA NA NA NA NA NA NA NA NA NA
0.724 0.578 0.746 0.494 NA -0.05 -0.355 NA 1 -0.762 0.211
-0.543 0.086 -0.311 -0.357 NA -0.549 -0.008 NA -0.762 1 0.294
-0.305 0.741 0.076 -0.464 NA -0.364 0.185 NA 0.211 0.294 1

age group 1, sex=M, urban=rural

6

3.49 3.5 0 75.96 15.56 23.6 70.45 0 576.86 7.06 10.24
8.54 8.57 0 135.1 26.47 18.05 103.55 0 376.32 17.28 20.42
1 -0.2 NA -0.001 0.255 0.426 0.945 NA 0.42 -0.2 -0.246
-0.2 1 NA -0.224 -0.288 0.083 -0.125 NA 0.35 -0.2 -0.246
NA NA NA NA NA NA NA NA NA NA NA
-0.001 -0.224 NA 1 0.965 0.404 0.291 NA 0.102 0.978 0.941
0.255 -0.288 NA 0.965 1 0.453 0.518 NA 0.206 0.896 0.855
0.426 0.083 NA 0.404 0.453 1 0.594 NA 0.17 0.264 0.149
0.945 -0.125 NA 0.291 0.518 0.594 1 NA 0.482 0.091 0.024
NA NA NA NA NA NA NA NA NA NA NA
0.42 0.35 NA 0.102 0.206 0.17 0.482 NA 1 0.017 -0.139
-0.2 -0.2 NA 0.978 0.896 0.264 0.091 NA 0.017 1 0.979
-0.246 -0.246 NA 0.941 0.855 0.149 0.024 NA -0.139 0.979 1

age group 2, sex=M, urban=rural

18

73.79 7.41 3.33 90.14 15.08 136.82 29.27 0 481.45 6.49 401.57
63.79 15.76 8.56 62.91 18.34 68.01 47.41 0 343.7 20.12 252.69
1 -0.222 0.207 0.253 -0.063 -0.053 -0.192 NA -0.055 0.168 0.454
-0.222 1 0.051 0.116 -0.28 -0.262 -0.126 NA -0.08 -0.141 -0.2
0.207 0.051 1 0.831 0.394 0.107 0.126 NA -0.155 -0.098 0.512
0.253 0.116 0.831 1 0.385 0.118 0.017 NA -0.196 -0.381 0.583
-0.063 -0.28 0.394 0.385 1 0.411 0.103 NA 0.436 -0.24 0.577
-0.053 -0.262 0.107 0.118 0.411 1 0.03 NA 0.219 -0.087 0.166
-0.192 -0.126 0.126 0.017 0.103 0.03 1 NA -0.198 -0.024 0.189
NA NA NA NA NA NA NA NA NA NA NA
-0.055 -0.08 -0.155 -0.196 0.436 0.219 -0.198 NA 1 0.186 0.122
0.168 -0.141 -0.098 -0.381 -0.24 -0.087 -0.024 NA 0.186 1 -0.38
0.454 -0.2 0.512 0.583 0.577 0.166 0.189 NA 0.122 -0.38 1

age group 3, sex=M, urban=rural

16

108.65 18.58 11.39 97.69 26.92 166.44 53.75 0 544.9 13.39 365.79
79.15 27.53 16.18 79.62 29.37 58.97 67.37 0 316.04 26.66 234.37
1 -0.202 -0.022 -0.098 -0.243 -0.157 -0.07 NA -0.056 0.124 0.185
-0.202 1 0.537 0.003 0.413 -0.038 -0.042 NA 0.442 0.422 -0.335
-0.022 0.537 1 -0.092 0.272 0.119 0.193 NA 0.511 0.16 0.043
-0.098 0.003 -0.092 1 0.166 -0.116 0.026 NA 0.031 -0.12 0.397
-0.243 0.413 0.272 0.166 1 0.328 0.077 NA 0.803 0.565 -0.137
-0.157 -0.038 0.119 -0.116 0.328 1 0.012 NA 0.282 0.212 0.508
-0.07 -0.042 0.193 0.026 0.077 0.012 1 NA 0.437 0.326 0.038
NA NA NA NA NA NA NA NA NA NA NA
-0.056 0.442 0.511 0.031 0.803 0.282 0.437 NA 1 0.75 -0.104
0.124 0.422 0.16 -0.12 0.565 0.212 0.326 NA 0.75 1 -0.1
0.185 -0.335 0.043 0.397 -0.137 0.508 0.038 NA -0.104 -0.1 1

age group 4, sex=M, urban=rural

25

111.86 18.31 14.85 166 32.12 275.96 55.06 0 523.95 9.35 370.81
71.22 33.55 20.51 206.63 31.76 179.31 88.6 0 265.54 15.09 282.45
1 0.093 -0.31 0.316 -0.159 0.032 -0.195 NA -0.013 -0.128 0.292
0.093 1 0.123 -0.183 -0.309 0.075 0.077 NA 0.187 0.126 0.097
-0.31 0.123 1 0.022 0.237 0.087 0.074 NA 0.279 0.33 -0.086
0.316 -0.183 0.022 1 -0.125 0.533 -0.003 NA 0.326 -0.069 0.084
-0.159 -0.309 0.237 -0.125 1 -0.08 -0.119 NA -0.12 -0.097 -0.156
0.032 0.075 0.087 0.533 -0.08 1 0.267 NA 0.687 0.482 0.459
-0.195 0.077 0.074 -0.003 -0.119 0.267 1 NA 0.243 0.035 -0.146
NA NA NA NA NA NA NA NA NA NA NA
-0.013 0.187 0.279 0.326 -0.12 0.687 0.243 NA 1 0.434 0.363
-0.128 0.126 0.33 -0.069 -0.097 0.482 0.035 NA 0.434 1 0.673
0.292 0.097 -0.086 0.084 -0.156 0.459 -0.146 NA 0.363 0.673 1

age group 5, sex=M, urban=rural

17

208.51 28.74 19.38 188.68 33.37 322.21 59.26 0 716.13 18.34 552.46
153.87 44.44 33.54 106.54 31.85 158.27 84.96 0 488.22 29.51 273.55
1 0.535 -0.303 0.187 0.032 -0.18 -0.308 NA -0.445 -0.25 0.034
0.535 1 0.028 -0.199 0.057 -0.055 -0.074 NA 0.067 -0.391 -0.061
-0.303 0.028 1 -0.253 0.048 -0.25 -0.146 NA -0.148 -0.132 0.232
0.187 -0.199 -0.253 1 0.075 -0.098 0.475 NA -0.071 0.4 0.052
0.032 0.057 0.048 0.075 1 -0.095 -0.007 NA 0.402 0.248 -0.154
-0.18 -0.055 -0.25 -0.098 -0.095 1 -0.028 NA -0.002 0.408 0.075
-0.308 -0.074 -0.146 0.475 -0.007 -0.028 1 NA 0.493 0.277 -0.28
NA NA NA NA NA NA NA NA NA NA NA
-0.445 0.067 -0.148 -0.071 0.402 -0.002 0.493 NA 1 0.141 -0.459
-0.25 -0.391 -0.132 0.4 0.248 0.408 0.277 NA 0.141 1 0.257
0.034 -0.061 0.232 0.052 -0.154 0.075 -0.28 NA -0.459 0.257 1

age group 6, sex=M, urban=rural

47

192.95 28.96 45.3 184.69 43.36 249.98 99.5 1.21 348.03 29.71 1160.55
141.02 49.23 47.91 126.29 42.27 135.43 133.29 8.27 253.33 46.14 708.64
1 -0.096 0.14 -0.195 0.156 0.146 -0.151 0.015 -0.052 -0.062 0.182
-0.096 1 0.243 0.069 -0.223 -0.154 0.004 -0.088 0.073 -0.053 0.059
0.14 0.243 1 -0.009 -0.023 -0.141 -0.031 -0.014 -0.119 0.017 -0.026
-0.195 0.069 -0.009 1 -0.17 -0.047 0.282 0.282 -0.075 0.217 0.125
0.156 -0.223 -0.023 -0.17 1 0.078 0.029 -0.099 -0.03 0.223 0.235
0.146 -0.154 -0.141 -0.047 0.078 1 0.285 -0.016 -0.05 0.097 0.102
-0.151 0.004 -0.031 0.282 0.029 0.285 1 -0.111 -0.108 0.265 0.031
0.015 -0.088 -0.014 0.282 -0.099 -0.016 -0.111 1 -0.157 -0.096 0.295
-0.052 0.073 -0.119 -0.075 -0.03 -0.05 -0.108 -0.157 1 0.053 -0.425
-0.062 -0.053 0.017 0.217 0.223 0.097 0.265 -0.096 0.053 1 0.242
0.182 0.059 -0.026 0.125 0.235 0.102 0.031 0.295 -0.425 0.242 1

age group 1, sex=F, urban=rural

5

0 26.82 0 0 0 50.67 31.94 0 512.53 0 34.13
0 59.98 0 0 0 112.37 43.74 0 304.58 0 46.74
NA NA NA NA NA NA NA NA NA NA NA
NA 1 NA NA NA 1 -0.408 NA 0.046 NA -0.408
NA NA NA NA NA NA NA NA NA NA NA
NA NA NA NA NA NA NA NA NA NA NA
NA NA NA NA NA NA NA NA NA NA NA
NA 1 NA NA NA 1 -0.405 NA 0.048 NA -0.405
NA -0.408 NA NA NA -0.405 1 NA 0.694 NA 1
NA NA NA NA NA NA NA NA NA NA NA
NA 0.046 NA NA NA 0.048 0.694 NA 1 NA 0.694
NA NA NA NA NA NA NA NA NA NA NA
NA -0.408 NA NA NA -0.405 1 NA 0.694 NA 1

age group 2, sex=F, urban=rural

16

49.97 11.81 5.8 81.85 18.91 138.54 51.23 0 480.62 7.26 327.47
35.56 14.93 10 68.91 18.41 68.28 57.96 0 281.78 11.18 242.24
1 0.092 0.46 0.606 0.155 0.168 0.061 NA -0.436 -0.187 0.298
0.092 1 0.064 0.295 -0.147 -0.409 0.072 NA -0.28 -0.106 -0.251
0.46 0.064 1 0.497 0.422 0.261 -0.128 NA -0.258 -0.083 0.41
0.606 0.295 0.497 1 0.143 0.107 -0.298 NA -0.222 -0.03 0.514
0.155 -0.147 0.422 0.143 1 0.718 0.341 NA 0.113 -0.243 0.461
0.168 -0.409 0.261 0.107 0.718 1 0.054 NA 0.009 -0.124 0.526
0.061 0.072 -0.128 -0.298 0.341 0.054 1 NA 0.277 -0.184 -0.124
NA NA NA NA NA NA NA NA NA NA NA
-0.436 -0.28 -0.258 -0.222 0.113 0.009 0.277 NA 1 0.148 0.042
-0.187 -0.106 -0.083 -0.03 -0.243 -0.124 -0.184 NA 0.148 1 -0.106
0.298 -0.251 0.41 0.514 0.461 0.526 -0.124 NA 0.042 -0.106 1

age group 3, sex=F, urban=rural

14

72.88 16.7 11.03 148.62 20 212.93 60.28 0 496.08 7.91 384.15
35.76 16.04 13.7 102.74 24.16 130.28 63.14 0 246.64 14.09 237.37
1 0.447 0.584 0.294 0.149 -0.066 0.242 NA -0.084 0.167 0.507
0.447 1 -0.142 0.339 -0.329 0.141 0.443 NA 0.155 0.292 -0.061
0.584 -0.142 1 -0.164 0.51 0.081 0.082 NA 0.149 0.211 0.21
0.294 0.339 -0.164 1 0.182 0.198 -0.019 NA -0.551 -0.502 0.313
0.149 -0.329 0.51 0.182 1 0.287 -0.056 NA -0.075 -0.423 0.397
-0.066 0.141 0.081 0.198 0.287 1 0.418 NA 0.468 0.049 0.106
0.242 0.443 0.082 -0.019 -0.056 0.418 1 NA 0.677 0.565 0.059
NA NA NA NA NA NA NA NA NA NA NA
-0.084 0.155 0.149 -0.551 -0.075 0.468 0.677 NA 1 0.547 -0.152
0.167 0.292 0.211 -0.502 -0.423 0.049 0.565 NA 0.547 1 -0.201
0.507 -0.061 0.21 0.313 0.397 0.106 0.059 NA -0.152 -0.201 1

age group 4, sex=F, urban=rural

13

127 10.2 7.18 119.16 7.49 223.77 58.83 0 438.91 9.06 349.29
61.88 16.02 9.17 58.24 19.32 159.63 58.97 0 312.85 11.19 208.58
1 -0.11 0.224 0.564 -0.183 -0.652 -0.472 NA -0.186 0.325 -0.317
-0.11 1 0.178 -0.247 -0.267 -0.055 -0.041 NA -0.249 0.094 0.275
0.224 0.178 1 0.135 -0.178 -0.124 0.007 NA -0.041 -0.181 -0.193
0.564 -0.247 0.135 1 -0.11 -0.443 -0.044 NA 0.433 0.016 -0.69
-0.183 -0.267 -0.178 -0.11 1 0.1 0.653 NA 0.448 -0.22 -0.193
-0.652 -0.055 -0.124 -0.443 0.1 1 0.319 NA 0.037 -0.08 0.221
-0.472 -0.041 0.007 -0.044 0.653 0.319 1 NA 0.736 -0.133 -0.275
NA NA NA NA NA NA NA NA NA NA NA
-0.186 -0.249 -0.041 0.433 0.448 0.037 0.736 NA 1 -0.169 -0.51
0.325 0.094 -0.181 0.016 -0.22 -0.08 -0.133 NA -0.169 1 0.107
-0.317 0.275 -0.193 -0.69 -0.193 0.221 -0.275 NA -0.51 0.107 1

age group 5, sex=F, urban=rural

21

128.16 9.14 12 144.98 15.05 145.67 37.74 0 447.24 12.5 429.32
67.39 20.61 18.21 90.89 25.01 116.36 51.62 0 376.7 20.77 250.66
1 0.361 -0.362 0.246 -0.075 -0.422 -0.077 NA -0.419 -0.234 0.411
0.361 1 -0.126 -0.141 -0.007 -0.289 -0.148 NA -0.201 -0.28 0.49
-0.362 -0.126 1 -0.139 0.582 0.478 0.422 NA 0.683 0.543 -0.107
0.246 -0.141 -0.139 1 -0.162 -0.199 0.135 NA 0.106 -0.225 0.049
-0.075 -0.007 0.582 -0.162 1 0.33 0.036 NA 0.478 0.363 -0.045
-0.422 -0.289 0.478 -0.199 0.33 1 0.167 NA 0.441 0.228 -0.246
-0.077 -0.148 0.422 0.135 0.036 0.167 1 NA 0.361 -0.048 -0.089
NA NA NA NA NA NA NA NA NA NA NA
-0.419 -0.201 0.683 0.106 0.478 0.441 0.361 NA 1 0.208 -0.422
-0.234 -0.28 0.543 -0.225 0.363 0.228 -0.048 NA 0.208 1 0.034
0.411 0.49 -0.107 0.049 -0.045 -0.246 -0.089 NA -0.422 0.034 1

age group 6, sex=F, urban=rural

69

98 21.04 38.11 116.07 20.03 180.57 75.79 0.39 246.48 21.67 953.17
82.79 34.16 49.39 78.23 27.17 128.98 86.72 2.3 262.36 37.48 645.36
1 0.051 0.095 0.23 0.278 0.132 0.015 0.042 0.076 0.027 -0.021
0.051 1 0.008 0.132 -0.116 0.017 -0.069 0.431 0.054 -0.007 0.023
0.095 0.008 1 0.159 0.141 -0.007 0.129 0.017 0.232 0.335 0
0.23 0.132 0.159 1 0.198 0.26 0.166 0.186 0.301 0.003 0.033
0.278 -0.116 0.141 0.198 1 0.235 0.064 0.016 0.333 -0.096 0.015
0.132 0.017 -0.007 0.26 0.235 1 0.158 -0.076 0.351 0.043 0.001
0.015 -0.069 0.129 0.166 0.064 0.158 1 -0.04 0.314 0.203 -0.018
0.042 0.431 0.017 0.186 0.016 -0.076 -0.04 1 0.031 -0.099 0.066
0.076 0.054 0.232 0.301 0.333 0.351 0.314 0.031 1 0.129 -0.075
0.027 -0.007 0.335 0.003 -0.096 0.043 0.203 -0.099 0.129 1 -0.101
-0.021 0.023 0 0.033 0.015 0.001 -0.018 0.066 -0.075 -0.101 1

age group 1, sex=N, urban=rural
0

age group 2, sex=N, urban=rural
0

age group 3, sex=N, urban=rural
0

age group 4, sex=N, urban=rural
0

age group 5, sex=N, urban=rural
1
48.62 0 80 87.83 89.33 372.36 70.67 0 1407 75.33 232.39

age group 6, sex=N, urban=rural
0

A.3 SUMMER

age group 1, sex=M, urban=city
41
32.23 24.72 1.27 98.6 8.52 60.21 56.8 0 624.18 0.74 192.63
56.26 37.62 6.77 111.36 20.83 76.73 86.84 0 370.77 3.26 308.95
1 0.316 0.371 0.232 0.116 0.215 -0.093 NA 0.268 0.011 -0.082
0.316 1 0.229 0.311 0.119 -0.04 0.033 NA 0.193 -0.129 -0.132
0.371 0.229 1 0.107 -0.079 0.125 -0.013 NA 0.013 -0.044 0.018
0.232 0.311 0.107 1 -0.04 0.365 0.272 NA 0.191 -0.06 -0.113
0.116 0.119 -0.079 -0.04 1 0.012 -0.098 NA 0.204 0.201 0.032
0.215 -0.04 0.125 0.365 0.012 1 0.465 NA 0.049 -0.025 0.039
-0.093 0.033 -0.013 0.272 -0.098 0.465 1 NA -0.014 -0.094 -0.061
NA NA NA NA NA NA NA NA NA NA NA
0.268 0.193 0.013 0.191 0.204 0.049 -0.014 NA 1 -0.082 -0.587
0.011 -0.129 -0.044 -0.06 0.201 -0.025 -0.094 NA -0.082 1 0.052
-0.082 -0.132 0.018 -0.113 0.032 0.039 -0.061 NA -0.587 0.052 1

age group 2, sex=M, urban=city
122
83.16 16.78 8.47 95.15 19.01 149.58 46.48 0.27 440.97 9.01 388.49
58.48 27.93 16.98 69.1 21.65 85.75 77.84 1.93 244.49 13.6 208.86
1 -0.04 0.183 0.002 0.083 -0.005 -0.017 -0.052 0.003 -0.036 0.062
-0.04 1 0.093 -0.086 0.088 -0.082 0.035 -0.068 -0.045 -0.162 -0.258
0.183 0.093 1 0.149 0.008 0.128 -0.011 -0.035 0.107 -0.126 -0.041
0.002 -0.086 0.149 1 -0.132 0.043 0.108 -0.016 -0.11 0.054 0.234
0.083 0.088 0.008 -0.132 1 0.061 -0.035 0.072 0.021 0.066 -0.128
-0.005 -0.082 0.128 0.043 0.061 1 -0.113 -0.122 0.01 0.044 0.281
-0.017 0.035 -0.011 0.108 -0.035 -0.113 1 0.148 -0.059 -0.016 0.012
-0.052 -0.068 -0.035 -0.016 0.072 -0.122 0.148 1 0.02 0.025 -0.081
0.003 -0.045 0.107 -0.11 0.021 0.01 -0.059 0.02 1 0.109 -0.388

-0.036 -0.162 -0.126 0.054 0.066 0.044 -0.016 0.025 0.109 1 -0.03
0.062 -0.258 -0.041 0.234 -0.128 0.281 0.012 -0.081 -0.388 -0.03 1

age group 3, sex=M, urban=city

179

106.58 17.37 17.55 121.5 19.76 191.17 55.81 0.84 466.21 10 452.37
70.76 28.94 38.51 85.07 30.99 111.91 90.09 8.85 268.44 21.84 238.21
1 -0.097 0.108 0.173 0.079 -0.061 0.044 0.029 0.181 -0.129 0.11
-0.097 1 0.124 0.079 0.056 0.006 -0.02 -0.011 -0.057 -0.024 -0.016
0.108 0.124 1 0.113 0.027 0.064 0.132 -0.004 0.051 0.124 0.01
0.173 0.079 0.113 1 0.165 0.03 -0.052 0.137 0.124 0.099 0.014
0.079 0.056 0.027 0.165 1 -0.01 -0.064 0.264 0 0.081 0.117
-0.061 0.006 0.064 0.03 -0.01 1 -0.022 -0.05 0.024 0.234 0.322
0.044 -0.02 0.132 -0.052 -0.064 -0.022 1 0.054 -0.035 -0.018 -0.08
0.029 -0.011 -0.004 0.137 0.264 -0.05 0.054 1 -0.005 0 -0.032
0.181 -0.057 0.051 0.124 0 0.024 -0.035 -0.005 1 -0.029 -0.3
-0.129 -0.024 0.124 0.099 0.081 0.234 -0.018 0 -0.029 1 0.103
0.11 -0.016 0.01 0.014 0.117 0.322 -0.08 -0.032 -0.3 0.103 1

age group 4, sex=M, urban=city

192

138.67 31.58 21.53 162.82 20.32 244.62 74.08 1.52 557.66 8.37 586.05
79.34 50.2 31.02 110.56 29.03 162.49 126.96 14.79 328.62 16.2 382.37
1 -0.154 0.065 0.13 -0.033 -0.119 0.118 0.003 0.105 0.046 0.069
-0.154 1 0.043 0.059 0.061 -0.006 -0.077 0.03 -0.167 -0.092 0.025
0.065 0.043 1 0.179 0.172 0.166 0.106 -0.06 0.095 0.064 0.119
0.13 0.059 0.179 1 0.065 0.055 0.147 0.004 0.047 -0.159 0.152
-0.033 0.061 0.172 0.065 1 0.261 0.089 -0.026 -0.025 -0.042 0.177
-0.119 -0.006 0.166 0.055 0.261 1 0.015 -0.063 0.131 0.022 0.269
0.118 -0.077 0.106 0.147 0.089 0.015 1 -0.06 0.284 0.007 0.055
0.003 0.03 -0.06 0.004 -0.026 -0.063 -0.06 1 0.007 -0.048 -0.113
0.105 -0.167 0.095 0.047 -0.025 0.131 0.284 0.007 1 0.05 -0.169
0.046 -0.092 0.064 -0.159 -0.042 0.022 0.007 -0.048 0.05 1 -0.119
0.069 0.025 0.119 0.152 0.177 0.269 0.055 -0.113 -0.169 -0.119 1

age group 5, sex=M, urban=city

160

207.3 33.44 28.54 191.05 26.02 260.12 59.48 1.49 602.1 14.86 707.42
113.63 50.5 41.42 140.05 36.33 159.02 103.66 9.63 432.72 26.54 445.73
1 -0.199 0.091 0.188 0.153 0.069 -0.085 0.016 0.059 -0.026 0.277
-0.199 1 0.082 -0.051 -0.096 -0.033 -0.016 -0.077 -0.063 0.106 0.008
0.091 0.082 1 0.029 -0.039 0.105 0.2 -0.089 0.022 0.104 0.23
0.188 -0.051 0.029 1 0.227 0.079 0.232 -0.143 0.273 0.124 0.089
0.153 -0.096 -0.039 0.227 1 -0.034 0.063 -0.105 -0.097 -0.053 0.12
0.069 -0.033 0.105 0.079 -0.034 1 0.09 -0.017 0.288 0.214 0.074
-0.085 -0.016 0.2 0.232 0.063 0.09 1 -0.078 0.325 0.12 -0.035
0.016 -0.077 -0.089 -0.143 -0.105 -0.017 -0.078 1 -0.09 -0.055 -0.049
0.059 -0.063 0.022 0.273 -0.097 0.288 0.325 -0.09 1 0.206 -0.095
-0.026 0.106 0.104 0.124 -0.053 0.214 0.12 -0.055 0.206 1 0.088
0.277 0.008 0.23 0.089 0.12 0.074 -0.035 -0.049 -0.095 0.088 1

age group 6, sex=M, urban=city

656

204.28 31.83 44.97 200.68 34.01 198.9 78.37 4.3 267.69 20.34 1139.19
149.26 56.22 56.59 143.94 42.16 141.69 133.21 22.17 290.75 36.65 715.36
1 -0.23 0.015 0.092 0.056 0.006 -0.042 -0.04 0.001 0.015 0.162
-0.23 1 0.086 -0.008 0.031 0.001 -0.036 -0.004 -0.069 -0.113 0.008
0.015 0.086 1 0.019 0.062 0.074 0.017 0.066 0.019 0.046 0.038
0.092 -0.008 0.019 1 0.029 0.038 0.068 -0.028 0.09 -0.067 0.034
0.056 0.031 0.062 0.029 1 0.024 0.044 -0.031 -0.074 -0.006 -0.041
0.006 0.001 0.074 0.038 0.024 1 0.081 -0.042 0.146 0.006 0.098
-0.042 -0.036 0.017 0.068 0.044 0.081 1 -0.061 0.058 0.225 -0.009
-0.04 -0.004 0.066 -0.028 -0.031 -0.042 -0.061 1 -0.025 0.028 0.006
0.001 -0.069 0.019 0.09 -0.074 0.146 0.058 -0.025 1 0.059 -0.154
0.015 -0.113 0.046 -0.067 -0.006 0.006 0.225 0.028 0.059 1 0.008
0.162 0.008 0.038 0.034 -0.041 0.098 -0.009 0.006 -0.154 0.008 1

age group 1, sex=F, urban=city

25

36.01 15.75 0.68 44.39 4.02 59.19 66.75 0 693.56 2.14 78.63
64.75 33.87 3.42 58.3 9.95 65.36 69.29 0 393.55 7.69 121.65
1 0.003 0.005 0.001 0.259 0.147 0.581 NA -0.128 -0.021 0.482
0.003 1 -0.097 0.01 -0.196 -0.079 0.225 NA -0.217 -0.065 -0.069
0.005 -0.097 1 0.445 -0.084 0.152 -0.137 NA -0.108 0.963 0.282
0.001 0.01 0.445 1 0.286 0.37 0.006 NA -0.327 0.48 0.444
0.259 -0.196 -0.084 0.286 1 0.204 0.069 NA -0.008 0.054 0.138
0.147 -0.079 0.152 0.37 0.204 1 0.167 NA 0.107 0.143 0.657
0.581 0.225 -0.137 0.006 0.069 0.167 1 NA -0.311 -0.115 0.428
NA NA NA NA NA NA NA NA NA NA NA
-0.128 -0.217 -0.108 -0.327 -0.008 0.107 -0.311 NA 1 -0.072 -0.05
-0.021 -0.065 0.963 0.48 0.054 0.143 -0.115 NA -0.072 1 0.254
0.482 -0.069 0.282 0.444 0.138 0.657 0.428 NA -0.05 0.254 1

age group 2, sex=F, urban=city

122

72.69 17.95 9.4 82.28 19.55 134.69 53.55 0.07 473.03 7.13 311.85
50.02 25.92 17.89 61.06 26.06 72.92 74.38 0.4 245.57 15.09 177.01
1 -0.076 0.185 0.239 -0.014 0.052 -0.103 -0.035 -0.04 -0.188 0.073
-0.076 1 0.087 -0.036 0.118 0.092 0.068 0.071 -0.056 -0.139 0.191
0.185 0.087 1 0.029 -0.067 -0.007 -0.04 -0.047 -0.05 -0.173 0.094
0.239 -0.036 0.029 1 0.078 0.043 -0.088 -0.124 -0.053 -0.005 0.044
-0.014 0.118 -0.067 0.078 1 -0.096 -0.078 0.015 -0.06 -0.057 0.01
0.052 0.092 -0.007 0.043 -0.096 1 0.032 0.005 -0.003 0.014 0.135
-0.103 0.068 -0.04 -0.088 -0.078 0.032 1 -0.03 0.033 -0.034 0.032
-0.035 0.071 -0.047 -0.124 0.015 0.005 -0.03 1 -0.071 0.052 -0.13
-0.04 -0.056 -0.05 -0.053 -0.06 -0.003 0.033 -0.071 1 0.084 -0.401
-0.188 -0.139 -0.173 -0.005 -0.057 0.014 -0.034 0.052 0.084 1 0.111
0.073 0.191 0.094 0.044 0.01 0.135 0.032 -0.13 -0.401 0.111 1

age group 3, sex=F, urban=city

154

105.17	21.98	16.43	132.96	16.44	173.69	55.77	0.99	485.11	8.55	428.89
74.7	32.63	36.06	100.14	25.37	99.83	65.58	9.28	248.09	16.84	225.55
1	0.003	0.178	0.013	-0.192	-0.055	-0.032	0.137	0.081	-0.202	-0.03
0.003	1	0.196	-0.004	0.105	0.045	-0.053	0.03	-0.095	-0.144	0.034
0.178	0.196	1	0.009	-0.034	-0.026	0.121	-0.023	0.12	0.151	-0.015
0.013	-0.004	0.009	1	0.059	-0.134	-0.134	0.049	0.006	-0.01	0.133
-0.192	0.105	-0.034	0.059	1	-0.11	0.033	-0.047	-0.252	0.136	0.069
-0.055	0.045	-0.026	-0.134	-0.11	1	-0.067	-0.042	0.191	0.179	0.032
-0.032	-0.053	0.121	-0.134	0.033	-0.067	1	-0.07	0.16	0.042	-0.134
0.137	0.03	-0.023	0.049	-0.047	-0.042	-0.07	1	0.087	-0.016	-0.16
0.081	-0.095	0.12	0.006	-0.252	0.191	0.16	0.087	1	-0.111	-0.273
-0.202	-0.144	0.151	-0.01	0.136	0.179	0.042	-0.016	-0.111	1	0.114
-0.03	0.034	-0.015	0.133	0.069	0.032	-0.134	-0.16	-0.273	0.114	1

age group 4, sex=F, urban=city

210

110.65	26.26	22.65	132.79	16.97	190.22	73.33	2.84	458.64	9.16	500.51
74.79	39.06	33.13	94.81	26.63	108.25	92.98	17.39	272.11	19.45	312.49
1	-0.25	0.096	0.115	-0.066	-0.098	0.017	-0.064	0.191	-0.018	0.129
-0.25	1	0.078	0.051	0.071	0.073	-0.058	0.002	-0.096	-0.115	-0.026
0.096	0.078	1	0.029	0.172	0.115	0.06	-0.062	0.094	-0.039	-0.001
0.115	0.051	0.029	1	0.167	0.014	0.034	0.062	0.03	-0.067	0.043
-0.066	0.071	0.172	0.167	1	-0.045	-0.088	-0.02	-0.153	-0.065	-0.027
-0.098	0.073	0.115	0.014	-0.045	1	0.041	-0.086	0.187	-0.094	0.098
0.017	-0.058	0.06	0.034	-0.088	0.041	1	0.057	0.191	0.126	-0.105
-0.064	0.002	-0.062	0.062	-0.02	-0.086	0.057	1	-0.079	-0.059	-0.02
0.191	-0.096	0.094	0.03	-0.153	0.187	0.191	-0.079	1	0.002	-0.345
-0.018	-0.115	-0.039	-0.067	-0.065	-0.094	0.126	-0.059	0.002	1	0.085
0.129	-0.026	-0.001	0.043	-0.027	0.098	-0.105	-0.02	-0.345	0.085	1

age group 5, sex=F, urban=city

194

133.68	22.3	30.97	134.53	17.09	164.6	53.75	2.91	357.14	15.09	678.63
89.04	36.09	44.85	95.44	26.08	106.86	101.94	17.21	282.31	30.1	452.82
1	-0.247	0.164	0.231	-0.074	-0.121	0.14	-0.084	-0.031	-0.007	0.185
-0.247	1	-0.01	0.117	0.067	0.125	0.05	0.061	0.163	-0.001	-0.01
0.164	-0.01	1	0.171	0.04	-0.038	0.171	-0.058	0	-0.005	0.121
0.231	0.117	0.171	1	0.03	0.101	0.113	0.017	0.139	0.11	0.102
-0.074	0.067	0.04	0.03	1	0.025	0.035	0.047	-0.012	0.067	0.076
-0.121	0.125	-0.038	0.101	0.025	1	-0.048	-0.13	0.135	-0.071	0.029
0.14	0.05	0.171	0.113	0.035	-0.048	1	-0.044	0.151	0.04	-0.003
-0.084	0.061	-0.058	0.017	0.047	-0.13	-0.044	1	-0.001	0.024	-0.123
-0.031	0.163	0	0.139	-0.012	0.135	0.151	-0.001	1	0.136	-0.194
-0.007	-0.001	-0.005	0.11	0.067	-0.071	0.04	0.024	0.136	1	0.134
0.185	-0.01	0.121	0.102	0.076	0.029	-0.003	-0.123	-0.194	0.134	1

age group 6, sex=F, urban=city

923

126.08 29.65 48.22 167.21 22.5 132.55 87.07 4.24 208.32 17.77 919.8
95.97 46.48 59.03 125.11 30.63 104.36 128.69 23.21 206.52 32.67 497.58
1 -0.151 0.034 0.038 0.047 -0.022 -0.093 -0.04 -0.045 -0.086 0.116
-0.151 1 0.043 0.034 0.01 -0.032 0.027 -0.025 0.003 -0.049 0.025
0.034 0.043 1 0.043 0.066 -0.04 0.102 -0.017 -0.016 0.05 0.108
0.038 0.034 0.043 1 0.004 0.009 0.104 -0.04 0.07 0.022 0.022
0.047 0.01 0.066 0.004 1 0.035 0.008 -0.027 0.054 -0.058 0.061
-0.022 -0.032 -0.04 0.009 0.035 1 -0.068 -0.036 0.125 0.018 0.05
-0.093 0.027 0.102 0.104 0.008 -0.068 1 -0.011 0.02 0.148 0.035
-0.04 -0.025 -0.017 -0.04 -0.027 -0.036 -0.011 1 -0.051 -0.012 0.019
-0.045 0.003 -0.016 0.07 0.054 0.125 0.02 -0.051 1 0.151 -0.097
-0.086 -0.049 0.05 0.022 -0.058 0.018 0.148 -0.012 0.151 1 0.023
0.116 0.025 0.108 0.022 0.061 0.05 0.035 0.019 -0.097 0.023 1

age group 1, sex=N, urban=city

0

age group 2, sex=N, urban=city

0

age group 3, sex=N, urban=city

0

age group 4, sex=N, urban=city

0

age group 5, sex=N, urban=city

0

age group 6, sex=N, urban=city

10

114.33 17.2 70.47 153.26 31.47 197.31 91.63 0.85 360.85 9.68 774.85
105.06 23.95 105.41 115.46 34.1 151.64 104.76 2.7 317.63 17.71 285.58
1 -0.287 -0.228 0.065 0.174 -0.504 0.59 -0.382 0.196 0.087 -0.011
-0.287 1 -0.368 0.16 -0.483 -0.135 -0.473 -0.252 -0.202 -0.229 0.412
-0.228 -0.368 1 0.498 0.722 0.437 0.419 0.875 -0.075 0.062 0.082
0.065 0.16 0.498 1 0.219 -0.149 0.229 0.402 -0.112 -0.058 0.543
0.174 -0.483 0.722 0.219 1 0.116 0.46 0.665 -0.151 -0.28 0.242
-0.504 -0.135 0.437 -0.149 0.116 1 -0.165 0.494 0.369 0.265 -0.175
0.59 -0.473 0.419 0.229 0.46 -0.165 1 0.001 0.237 0.317 -0.065
-0.382 -0.252 0.875 0.402 0.665 0.494 0.001 1 -0.297 -0.192 0.069
0.196 -0.202 -0.075 -0.112 -0.151 0.369 0.237 -0.297 1 0.313 -0.186
0.087 -0.229 0.062 -0.058 -0.28 0.265 0.317 -0.192 0.313 1 -0.193
-0.011 0.412 0.082 0.543 0.242 -0.175 -0.065 0.069 -0.186 -0.193 1

age group 1, sex=M, urban=rural

17

10.51 14.17 0.56 73.99 6.25 64.52 80.27 0 438.67 1.12 147.43
 31.91 34.06 2.29 88.89 19.79 97.71 126.58 0 407.31 4.64 224.45
 1 -0.1 0.369 -0.203 -0.055 0.537 0.828 NA -0.154 0.369 -0.045
 -0.1 1 0 0.398 0.83 0.362 -0.025 NA -0.312 0 0.624
 0.369 0 1 -0.007 -0.081 -0.037 0.026 NA -0.217 1 0.091
 -0.203 0.398 -0.007 1 0.131 0.36 0.213 NA -0.014 -0.007 0.21
 -0.055 0.83 -0.081 0.131 1 0.106 -0.026 NA -0.241 -0.081 0.674
 0.537 0.362 -0.037 0.36 0.106 1 0.632 NA -0.064 -0.037 0.054
 0.828 -0.025 0.026 0.213 -0.026 0.632 1 NA -0.087 0.026 0.024
 NA NA NA NA NA NA NA NA NA NA NA
 -0.154 -0.312 -0.217 -0.014 -0.241 -0.064 -0.087 NA 1 -0.217 -0.507
 0.369 0 1 -0.007 -0.081 -0.037 0.026 NA -0.217 1 0.091
 -0.045 0.624 0.091 0.21 0.674 0.054 0.024 NA -0.507 0.091 1

age group 2, sex=M, urban=rural

54

92.9 18.22 6.37 105.76 18.2 128.94 49.5 0 408.25 7.93 377.96
 55.03 30.35 15.24 66.88 22.8 88.22 80.24 0 227.31 15.03 319.59
 1 -0.228 0.096 0.357 0.138 0.044 -0.058 NA 0.001 -0.067 0.007
 -0.228 1 -0.147 -0.219 -0.003 0.066 0.266 NA -0.083 -0.038 -0.044
 0.096 -0.147 1 0.081 0.228 0.122 0.353 NA 0.141 0.272 -0.091
 0.357 -0.219 0.081 1 0.132 0.074 0.137 NA 0.169 0.043 0.111
 0.138 -0.003 0.228 0.132 1 0.328 0.101 NA -0.273 0.386 0.068
 0.044 0.066 0.122 0.074 0.328 1 0.018 NA 0.221 0.314 0.125
 -0.058 0.266 0.353 0.137 0.101 0.018 1 NA 0.088 0.05 -0.006
 NA NA NA NA NA NA NA NA NA NA NA
 0.001 -0.083 0.141 0.169 -0.273 0.221 0.088 NA 1 0.044 -0.222
 -0.067 -0.038 0.272 0.043 0.386 0.314 0.05 NA 0.044 1 0.029
 0.007 -0.044 -0.091 0.111 0.068 0.125 -0.006 NA -0.222 0.029 1

age group 3, sex=M, urban=rural

71

110.95 17.85 16.66 141.29 13.08 202.65 65.15 0.13 508.04 13.17 468.16
 67.4 27.98 26.76 94.73 19.83 97.2 100.58 1.11 287.9 26.15 294.78
 1 0.106 0.085 0.161 0.039 0.049 0.062 0.061 0.119 -0.242 0.12
 0.106 1 0.233 0.084 -0.223 0.016 0.011 -0.036 0.055 -0.183 -0.187
 0.085 0.233 1 0.109 0.06 0.251 0.536 -0.045 -0.058 0.218 -0.129
 0.161 0.084 0.109 1 -0.136 -0.095 0.048 0.007 -0.18 -0.213 0.313
 0.039 -0.223 0.06 -0.136 1 0.095 0.058 -0.079 -0.193 0.171 0.192
 0.049 0.016 0.251 -0.095 0.095 1 0.106 -0.101 0.068 0.153 -0.021
 0.062 0.011 0.536 0.048 0.058 0.106 1 -0.078 0.024 0.291 -0.083
 0.061 -0.036 -0.045 0.007 -0.079 -0.101 -0.078 1 0.103 -0.061 0.042
 0.119 0.055 -0.058 -0.18 -0.193 0.068 0.024 0.103 1 0.019 -0.292
 -0.242 -0.183 0.218 -0.213 0.171 0.153 0.291 -0.061 0.019 1 0.023
 0.12 -0.187 -0.129 0.313 0.192 -0.021 -0.083 0.042 -0.292 0.023 1

age group 4, sex=M, urban=rural

110

163.61 23.09 18.67 213.09 14.97 233.17 97.02 0.02 629.03 6.82 550.17
83.72 36.63 26.52 148.96 21.36 109.94 140.74 0.25 316.56 12.02 383.57
1 -0.006 -0.025 0.162 0.208 0.121 -0.006 -0.08 0.152 0.18 0.076
-0.006 1 0.178 0.142 0.152 0.075 0.177 0.091 0.036 -0.085 0.012
-0.025 0.178 1 0.169 0.302 0.165 0.343 0.063 -0.091 -0.042 0.072
0.162 0.142 0.169 1 -0.008 0.088 0.226 -0.03 0.072 -0.018 -0.08
0.208 0.152 0.302 -0.008 1 0.153 0.203 0.002 -0.089 -0.072 0.164
0.121 0.075 0.165 0.088 0.153 1 0.268 0.126 0.13 0.088 0.114
-0.006 0.177 0.343 0.226 0.203 0.268 1 0.028 0.226 -0.151 0.08
-0.08 0.091 0.063 -0.03 0.002 0.126 0.028 1 0.05 -0.055 -0.022
0.152 0.036 -0.091 0.072 -0.089 0.13 0.226 0.05 1 0.026 -0.17
0.18 -0.085 -0.042 -0.018 -0.072 0.088 -0.151 -0.055 0.026 1 0.122
0.076 0.012 0.072 -0.08 0.164 0.114 0.08 -0.022 -0.17 0.122 1

age group 5, sex=M, urban=rural

66

242.55 28.82 34.76 197.39 22.69 282.62 82.75 0 615.81 12.16 716.55
124.03 41.56 47.1 148.52 34.19 158.51 118.74 0 474.59 21.94 494.41
1 0.275 -0.052 0.116 0.295 -0.26 0.239 NA 0.109 0.092 0.166
0.275 1 0.246 0.089 0.122 -0.162 -0.146 NA -0.268 -0.148 0.188
-0.052 0.246 1 0.009 0.253 0.053 0.077 NA -0.018 -0.133 0.198
0.116 0.089 0.009 1 0.161 0.015 0.018 NA 0.026 -0.046 0.095
0.295 0.122 0.253 0.161 1 -0.071 0.033 NA -0.249 -0.092 0.373
-0.26 -0.162 0.053 0.015 -0.071 1 0.019 NA 0.313 -0.141 0.01
0.239 -0.146 0.077 0.018 0.033 0.019 1 NA 0.437 -0.11 0.1
NA NA NA NA NA NA NA NA NA NA NA
0.109 -0.268 -0.018 0.026 -0.249 0.313 0.437 NA 1 0.056 -0.137
0.092 -0.148 -0.133 -0.046 -0.092 -0.141 -0.11 NA 0.056 1 0.012
0.166 0.188 0.198 0.095 0.373 0.01 0.1 NA -0.137 0.012 1

age group 6, sex=M, urban=rural

254

214.13 34.01 41.51 242.72 29.8 229.23 86.29 3.51 297.84 17.93 1192.59
132.66 55.98 55.71 192.4 39.14 149.91 151.98 21.65 297.38 31.01 1300.78
1 -0.141 0.016 0.07 -0.078 -0.014 -0.09 -0.147 -0.039 0.048 0.252
-0.141 1 0.148 0.19 0.035 -0.05 -0.044 0.039 -0.064 -0.051 -0.07
0.016 0.148 1 0.067 0.058 -0.118 0.14 0.022 -0.056 0.079 -0.03
0.07 0.19 0.067 1 0.084 0.109 0.017 -0.1 0.085 0.037 0.021
-0.078 0.035 0.058 0.084 1 0.025 0.091 -0.001 0.074 0.034 0.002
-0.014 -0.05 -0.118 0.109 0.025 1 -0.038 0.006 0.218 0.013 0.046
-0.09 -0.044 0.14 0.017 0.091 -0.038 1 -0.015 0.012 0.115 -0.059
-0.147 0.039 0.022 -0.1 -0.001 0.006 -0.015 1 -0.077 -0.082 -0.036
-0.039 -0.064 -0.056 0.085 0.074 0.218 0.012 -0.077 1 -0.013 -0.129
0.048 -0.051 0.079 0.037 0.034 0.013 0.115 -0.082 -0.013 1 0.124
0.252 -0.07 -0.03 0.021 0.002 0.046 -0.059 -0.036 -0.129 0.124 1

age group 1, sex=F, urban=rural

16

45.19 34.11 2.84 92.49 8.03 54.77 68.7 0 395.98 7.01 94.82
81.58 70.87 11.36 94.91 17.35 63.1 102.75 0 363.99 15.76 175.77
1 0.773 -0.148 0.067 0.353 -0.247 0.761 NA 0.301 0.297 0.194
0.773 1 -0.128 -0.014 -0.186 -0.118 0.75 NA 0.09 0.545 0.314
-0.148 -0.128 1 -0.071 0.271 0.496 0.049 NA 0.113 -0.119 -0.018
0.067 -0.014 -0.071 1 0.009 0.11 -0.086 NA 0.62 -0.341 -0.367
0.353 -0.186 0.271 0.009 1 0.242 0.09 NA 0.3 -0.194 -0.206
-0.247 -0.118 0.496 0.11 0.242 1 -0.095 NA 0.017 -0.289 -0.161
0.761 0.75 0.049 -0.086 0.09 -0.095 1 NA 0.004 0.38 0.226
NA NA NA NA NA NA NA NA NA NA NA
0.301 0.09 0.113 0.62 0.3 0.017 0.004 NA 1 -0.352 -0.286
0.297 0.545 -0.119 -0.341 -0.194 -0.289 0.38 NA -0.352 1 0.168
0.194 0.314 -0.018 -0.367 -0.206 -0.161 0.226 NA -0.286 0.168 1

age group 2, sex=F, urban=rural

59

81.73 23.24 5.56 95.22 19.34 127.24 50.86 0 455.02 8.37 376.82
61.12 41.77 14.86 90.84 29.33 83.58 77.11 0 315.93 17.88 297.86
1 -0.032 -0.182 -0.213 -0.099 0.048 -0.167 NA 0.066 -0.106 0.068
-0.032 1 0.043 -0.038 0.115 -0.205 0.027 NA 0.17 -0.134 -0.143
-0.182 0.043 1 -0.122 -0.072 0.086 0.047 NA -0.12 0.126 0.038
-0.213 -0.038 -0.122 1 -0.042 -0.06 0.225 NA -0.015 -0.021 0.076
-0.099 0.115 -0.072 -0.042 1 -0.077 -0.005 NA -0.079 -0.121 -0.033
0.048 -0.205 0.086 -0.06 -0.077 1 -0.174 NA -0.151 0.002 0.035
-0.167 0.027 0.047 0.225 -0.005 -0.174 1 NA 0.011 0.171 -0.172
NA NA NA NA NA NA NA NA NA NA NA
0.066 0.17 -0.12 -0.015 -0.079 -0.151 0.011 NA 1 -0.269 -0.225
-0.106 -0.134 0.126 -0.021 -0.121 0.002 0.171 NA -0.269 1 0.133
0.068 -0.143 0.038 0.076 -0.033 0.035 -0.172 NA -0.225 0.133 1

age group 3, sex=F, urban=rural

98

121.61 17.37 10.05 146.17 8.97 185.56 72.9 0.1 473.62 11.54 433.97
73.12 28.16 17.98 94.01 14.08 108.74 127.55 0.94 250.9 22.2 292.05
1 -0.054 0.122 0.13 -0.021 -0.283 -0.207 -0.026 -0.03 0.099 -0.04
-0.054 1 0.056 0.172 0.109 -0.158 0.028 0.211 0.133 -0.138 -0.123
0.122 0.056 1 0.079 0.032 0.179 0.062 0.045 -0.035 -0.087 -0.064
0.13 0.172 0.079 1 0.071 0.004 0.096 0.084 0.189 -0.168 -0.095
-0.021 0.109 0.032 0.071 1 -0.027 0.058 -0.065 -0.043 -0.036 -0.062
-0.283 -0.158 0.179 0.004 -0.027 1 0.194 -0.05 -0.035 -0.018 0.21
-0.207 0.028 0.062 0.096 0.058 0.194 1 -0.058 0.301 -0.036 0.036
-0.026 0.211 0.045 0.084 -0.065 -0.05 -0.058 1 0.089 -0.053 0.015
-0.03 0.133 -0.035 0.189 -0.043 -0.035 0.301 0.089 1 0.126 -0.396
0.099 -0.138 -0.087 -0.168 -0.036 -0.018 -0.036 -0.053 0.126 1 0.006
-0.04 -0.123 -0.064 -0.095 -0.062 0.21 0.036 0.015 -0.396 0.006 1

age group 4, sex=F, urban=rural

111

141.21 19.89 20.52 172.5 14.44 208.83 89.45 4.9 467.5 9.02 472.25
188.66 35.22 29.78 123.73 26.32 141.17 133.36 39.83 277.52 20.49 307.54
1 -0.127 0.044 0.063 0.272 -0.116 -0.086 0.012 0.117 0.061 -0.046
-0.127 1 -0.029 0.129 0.085 0.167 0.181 -0.069 0.073 -0.068 -0.05
0.044 -0.029 1 0.182 0.016 0.026 0.161 -0.082 0.069 0.138 -0.049
0.063 0.129 0.182 1 -0.037 0.019 0.157 -0.082 0.118 -0.036 0.057
0.272 0.085 0.016 -0.037 1 -0.031 -0.069 0.375 0.212 0.153 -0.048
-0.116 0.167 0.026 0.019 -0.031 1 -0.059 -0.073 0.042 -0.084 0.096
-0.086 0.181 0.161 0.157 -0.069 -0.059 1 -0.077 0.164 0.104 -0.189
0.012 -0.069 -0.082 -0.082 0.375 -0.073 -0.077 1 0.067 0.401 0.12
0.117 0.073 0.069 0.118 0.212 0.042 0.164 0.067 1 -0.017 -0.282
0.061 -0.068 0.138 -0.036 0.153 -0.084 0.104 0.401 -0.017 1 0.021
-0.046 -0.05 -0.049 0.057 -0.048 0.096 -0.189 0.12 -0.282 0.021 1

age group 5, sex=F, urban=rural

99

122.51 23.31 21.72 147.16 11.13 178.6 64.58 2.41 320.91 11.59 719.56
87.36 38.98 32.16 118.47 20.74 132.2 136.34 11.27 254.68 22.94 461.18
1 -0.011 -0.058 0.221 -0.02 -0.053 0.124 -0.049 0.2 0.096 0.063
-0.011 1 -0.131 0.033 0.167 0.055 0.17 0.161 -0.04 0.03 -0.048
-0.058 -0.131 1 -0.152 -0.059 0.332 -0.045 0.051 -0.197 0.181 0.158
0.221 0.033 -0.152 1 0.176 0.038 0.182 -0.122 0.08 0.139 0.175
-0.02 0.167 -0.059 0.176 1 0.139 0.001 0.065 -0.016 0.249 0.286
-0.053 0.055 0.332 0.038 0.139 1 0.072 -0.046 0.06 0.06 0.278
0.124 0.17 -0.045 0.182 0.001 0.072 1 -0.069 0.161 0.073 -0.124
-0.049 0.161 0.051 -0.122 0.065 -0.046 -0.069 1 -0.086 -0.04 0.17
0.2 -0.04 -0.197 0.08 -0.016 0.06 0.161 -0.086 1 -0.093 -0.289
0.096 0.03 0.181 0.139 0.249 0.06 0.073 -0.04 -0.093 1 0.191
0.063 -0.048 0.158 0.175 0.286 0.278 -0.124 0.17 -0.289 0.191 1

age group 6, sex=F, urban=rural

399

130.37 25.33 41.02 189.34 18.07 138.5 80.1 2.48 198.76 18.32 956.03
95.25 38.71 53.74 133.01 25.76 95.11 124.6 15.64 186.91 32.3 540.01
1 -0.186 0.067 0.07 0.076 0.026 0.002 -0.067 0.027 -0.026 0.057
-0.186 1 0.117 0.061 0 -0.07 -0.003 -0.049 -0.001 0.001 -0.019
0.067 0.117 1 0.092 0.171 0.03 0.264 0.056 -0.018 0.152 0.022
0.07 0.061 0.092 1 0.084 0.057 0.112 0.245 0.096 0.037 -0.018
0.076 0 0.171 0.084 1 0 0.028 0.131 -0.003 0.034 -0.04
0.026 -0.07 0.03 0.057 0 1 0.074 -0.063 0.113 0.02 -0.019
0.002 -0.003 0.264 0.112 0.028 0.074 1 -0.004 0.066 0.15 -0.066
-0.067 -0.049 0.056 0.245 0.131 -0.063 -0.004 1 -0.036 0 0.128
0.027 -0.001 -0.018 0.096 -0.003 0.113 0.066 -0.036 1 0.113 -0.112
-0.026 0.001 0.152 0.037 0.034 0.02 0.15 0 0.113 1 0.036
0.057 -0.019 0.022 -0.018 -0.04 -0.019 -0.066 0.128 -0.112 0.036 1

age group 1, sex=N, urban=rural
0

age group 2, sex=N, urban=rural
0

age group 3, sex=N, urban=rural
0

age group 4, sex=N, urban=rural
0

age group 5, sex=N, urban=rural
1

80 0 16.53 177.64 21.33 175.89 55.5 0 486.97 47.12 868.87

age group 6, sex=N, urban=rural
7

156.79 29.5 39.88 186.62 48.5 202.38 117.41 0 327.07 38.94 944.09
73.79 45.03 63.77 103.24 36.25 108.31 191.22 0 277.99 52.73 360.09
1 -0.116 -0.195 0.35 -0.582 -0.313 -0.392 NA -0.025 -0.167 0.507
-0.116 1 -0.345 -0.299 -0.574 0.001 -0.328 NA -0.373 -0.274 0.216
-0.195 -0.345 1 0.642 0.622 -0.246 0.933 NA 0.391 0.668 -0.388
0.35 -0.299 0.642 1 0.234 -0.43 0.661 NA 0.172 0.769 -0.15
-0.582 -0.574 0.622 0.234 1 0.34 0.742 NA 0.017 0.651 -0.459
-0.313 0.001 -0.246 -0.43 0.34 1 -0.206 NA -0.775 -0.169 0.498
-0.392 -0.328 0.933 0.661 0.742 -0.206 1 NA 0.326 0.824 -0.557
NA NA NA NA NA NA NA NA NA NA NA
-0.025 -0.373 0.391 0.172 0.017 -0.775 0.326 NA 1 0.01 -0.591
-0.167 -0.274 0.668 0.769 0.651 -0.169 0.824 NA 0.01 1 -0.526
0.507 0.216 -0.388 -0.15 -0.459 0.498 -0.557 NA -0.591 -0.526 1

West Results, n, means, std, and covariance matrix if present

age group 1, sex=M, urban=city
13

13 14.14 0 92.58 16.85 84.96 54.47 0 547.61 2.17 250.54
33.32 39.92 0 139.78 29.33 114.89 107.14 0 401.07 5.63 396.71
1 -0.009 NA -0.019 0.46 0.022 -0.096 NA -0.052 0.303 0.079
-0.009 1 NA 0.084 0.209 -0.172 0.111 NA 0.146 -0.148 -0.143
NA NA NA NA NA NA NA NA NA NA NA
-0.019 0.084 NA 1 -0.126 0.449 0.758 NA 0 -0.085 -0.129
0.46 0.209 NA -0.126 1 -0.186 -0.101 NA 0.506 0.16 -0.06
0.022 -0.172 NA 0.449 -0.186 1 0.792 NA -0.134 -0.122 0.1
-0.096 0.111 NA 0.758 -0.101 0.792 1 NA 0.053 -0.122 -0.177
NA NA NA NA NA NA NA NA NA NA NA
-0.052 0.146 NA 0 0.506 -0.134 0.053 NA 1 -0.069 -0.473
0.303 -0.148 NA -0.085 0.16 -0.122 -0.122 NA -0.069 1 0.012
0.079 -0.143 NA -0.129 -0.06 0.1 -0.177 NA -0.473 0.012 1

age group 2, sex=M, urban=city

29

79.9 28.19 5.67 103.32 24.04 133.26 82.32 0 458.58 8.9 348.36
54.9 38.2 11.73 71.22 21.11 74.62 125.49 0 276 16.49 235.5
1 0.149 0.39 -0.231 0.006 0.029 -0.241 NA 0.248 0.144 -0.12
0.149 1 0.269 -0.442 0.021 -0.372 -0.016 NA -0.069 -0.219 -0.468
0.39 0.269 1 -0.285 -0.15 0.015 -0.072 NA 0.227 -0.207 -0.145
-0.231 -0.442 -0.285 1 -0.007 0.01 0.235 NA 0.09 0.062 0.295
0.006 0.021 -0.15 -0.007 1 0.037 -0.275 NA -0.102 0.245 0.088
0.029 -0.372 0.015 0.01 0.037 1 -0.264 NA 0.169 -0.051 0.448
-0.241 -0.016 -0.072 0.235 -0.275 -0.264 1 NA -0.297 -0.248 0.235
NA NA NA NA NA NA NA NA NA NA NA
0.248 -0.069 0.227 0.09 -0.102 0.169 -0.297 NA 1 0.226 -0.379
0.144 -0.219 -0.207 0.062 0.245 -0.051 -0.248 NA 0.226 1 -0.22
-0.12 -0.468 -0.145 0.295 0.088 0.448 0.235 NA -0.379 -0.22 1

age group 3, sex=M, urban=city

42

101.93 19.7 18.91 123.84 27.43 210.75 78.99 2.89 517.48 9.99 399.72
68.66 35.58 33.91 87.53 37.84 149.7 118.58 17.75 361.18 24.93 223.51
1 -0.248 -0.06 -0.194 0.003 -0.047 0.372 0.066 0.317 -0.296 0.059
-0.248 1 -0.071 -0.044 -0.027 0.08 -0.228 -0.092 -0.116 -0.022 0.168
-0.06 -0.071 1 0.316 0.116 0.311 0.053 -0.046 -0.111 0.713 0.331
-0.194 -0.044 0.316 1 -0.012 0.136 -0.061 0.229 0.003 0.275 0.176
0.003 -0.027 0.116 -0.012 1 0.02 -0.088 0.433 -0.13 0.096 0.414
-0.047 0.08 0.311 0.136 0.02 1 0.119 -0.099 -0.029 0.389 0.466
0.372 -0.228 0.053 -0.061 -0.088 0.119 1 0.075 -0.118 -0.052 -0.118
0.066 -0.092 -0.046 0.229 0.433 -0.099 0.075 1 -0.039 -0.014 -0.033
0.317 -0.116 -0.111 0.003 -0.13 -0.029 -0.118 -0.039 1 -0.109 -0.242
-0.296 -0.022 0.713 0.275 0.096 0.389 -0.052 -0.014 -0.109 1 0.267
0.059 0.168 0.331 0.176 0.414 0.466 -0.118 -0.033 -0.242 0.267 1

age group 4, sex=M, urban=city

41

127.73 25.68 26.78 187.82 32.62 293.36 108.88 0 668.9 12.33 614.62
77.51 39.98 31.88 126.27 36.1 218.54 197.22 0 406.46 24.2 407.4
1 -0.347 -0.098 0.063 -0.064 -0.258 -0.009 NA 0.137 0.121 -0.056
-0.347 1 0.183 0.433 0.288 0.497 -0.016 NA -0.368 -0.076 0.401
-0.098 0.183 1 -0.019 0.214 0.45 0.036 NA 0.032 -0.011 0.157
0.063 0.433 -0.019 1 0.147 0.348 0.139 NA -0.171 -0.17 0.44
-0.064 0.288 0.214 0.147 1 0.368 0.134 NA -0.158 -0.127 0.451
-0.258 0.497 0.45 0.348 0.368 1 -0.058 NA -0.019 -0.119 0.63
-0.009 -0.016 0.036 0.139 0.134 -0.058 1 NA 0.174 -0.085 0.032
NA NA NA NA NA NA NA NA NA NA NA
0.137 -0.368 0.032 -0.171 -0.158 -0.019 0.174 NA 1 0.035 -0.267
0.121 -0.076 -0.011 -0.17 -0.127 -0.119 -0.085 NA 0.035 1 -0.287
-0.056 0.401 0.157 0.44 0.451 0.63 0.032 NA -0.267 -0.287 1

age group 5, sex=M, urban=city

39

193.02 45.65 43.67 183.41 27.65 321.98 57.82 0.2 753.84 20.53 719.54
102.71 57.48 49.9 146.95 43.68 207.87 93.99 1.23 419.17 26.79 436.46
1 -0.296 0.041 0.472 0.34 -0.192 0.062 0.092 0.157 0.031 0.192
-0.296 1 0.039 -0.045 -0.12 -0.001 0.105 0.406 -0.17 -0.11 0.09
0.041 0.039 1 -0.11 -0.126 0.21 0.299 0.221 -0.248 0.077 0.291
0.472 -0.045 -0.11 1 0.415 0.041 0.247 -0.058 0.364 0.157 0.183
0.34 -0.12 -0.126 0.415 1 -0.059 0.47 -0.104 0.232 0.214 0.147
-0.192 -0.001 0.21 0.041 -0.059 1 0.165 0.083 0.268 0.195 0.03
0.062 0.105 0.299 0.247 0.47 0.165 1 -0.101 0.22 -0.048 -0.049
0.092 0.406 0.221 -0.058 -0.104 0.083 -0.101 1 -0.136 -0.126 0.334
0.157 -0.17 -0.248 0.364 0.232 0.268 0.22 -0.136 1 -0.036 -0.128
0.031 -0.11 0.077 0.157 0.214 0.195 -0.048 -0.126 -0.036 1 0.339
0.192 0.09 0.291 0.183 0.147 0.03 -0.049 0.334 -0.128 0.339 1

age group 6, sex=M, urban=city

187

200.63 32.83 51.69 201.07 38.66 190.05 95.77 4.97 308.09 27.42 1200.96
166.93 57.59 56.84 142.95 42.84 139.77 138.54 29.59 331.56 49.55 901.1
1 -0.278 -0.096 0.111 -0.015 -0.046 -0.074 -0.083 -0.03 0.069 0.292
-0.278 1 0.052 -0.137 -0.029 -0.037 -0.044 -0.013 -0.103 -0.146 0.009
-0.096 0.052 1 -0.039 0.157 0.197 0.016 0.116 0.003 0.007 0.044
0.111 -0.137 -0.039 1 0.016 0.096 0.142 -0.098 0.081 -0.113 -0.006
-0.015 -0.029 0.157 0.016 1 0.006 0.009 0.022 -0.054 0.038 -0.019
-0.046 -0.037 0.197 0.096 0.006 1 0.161 -0.035 0.207 -0.028 -0.016
-0.074 -0.044 0.016 0.142 0.009 0.161 1 -0.084 0.091 0.3 0.02
-0.083 -0.013 0.116 -0.098 0.022 -0.035 -0.084 1 -0.057 -0.057 -0.034
-0.03 -0.103 0.003 0.081 -0.054 0.207 0.091 -0.057 1 0.077 -0.151
0.069 -0.146 0.007 -0.113 0.038 -0.028 0.3 -0.057 0.077 1 -0.053
0.292 0.009 0.044 -0.006 -0.019 -0.016 0.02 -0.034 -0.151 -0.053 1

age group 1, sex=F, urban=city

8

17.41 25.73 2.14 84.43 2.67 71.97 48.6 0 744.38 5.3 129.13
20.05 49.89 6.04 73.15 7.54 83.95 57.93 0 374.22 13.18 181.09
1 0.242 0.405 0.521 -0.351 0.801 0.652 NA -0.175 0.461 0.812
0.242 1 -0.208 -0.117 -0.208 0.025 -0.013 NA -0.174 -0.16 -0.154
0.405 -0.208 1 0.466 -0.143 0.168 -0.191 NA -0.275 0.992 0.254
0.521 -0.117 0.466 1 0.555 0.477 0.569 NA -0.712 0.488 0.563
-0.351 -0.208 -0.143 0.555 1 -0.165 0.182 NA -0.649 -0.162 -0.103
0.801 0.025 0.168 0.477 -0.165 1 0.831 NA -0.197 0.161 0.97
0.652 -0.013 -0.191 0.569 0.182 0.831 1 NA -0.251 -0.165 0.846
NA NA NA NA NA NA NA NA NA NA NA
-0.175 -0.174 -0.275 -0.712 -0.649 -0.197 -0.251 NA 1 -0.27 -0.198
0.461 -0.16 0.992 0.488 -0.162 0.161 -0.165 NA -0.27 1 0.253
0.812 -0.154 0.254 0.563 -0.103 0.97 0.846 NA -0.198 0.253 1

age group 2, sex=F, urban=city

41

72.57 15.56 8.69 90.73 25.41 124.52 50.61 0.18 497.25 10.21 279.64
59.38 20.46 14.44 59.61 30.89 56.26 59.18 0.66 218.07 21.77 157.52
1 0.038 0.109 0.106 0.07 -0.038 -0.052 -0.006 0.071 -0.318 -0.04
0.038 1 0.234 -0.059 -0.053 0.145 -0.077 0.007 -0.122 -0.171 -0.056
0.109 0.234 1 -0.313 -0.04 0.22 0.148 -0.066 -0.053 -0.211 -0.012
0.106 -0.059 -0.313 1 0.194 -0.282 -0.005 -0.225 -0.035 0.002 -0.205
0.07 -0.053 -0.04 0.194 1 0.005 -0.181 -0.033 -0.176 -0.096 0.081
-0.038 0.145 0.22 -0.282 0.005 1 -0.025 0.052 -0.286 -0.054 0.24
-0.052 -0.077 0.148 -0.005 -0.181 -0.025 1 -0.095 0.342 0.123 0.014
-0.006 0.007 -0.066 -0.225 -0.033 0.052 -0.095 1 -0.138 0.037 -0.197
0.071 -0.122 -0.053 -0.035 -0.176 -0.286 0.342 -0.138 1 0.17 -0.194
-0.318 -0.171 -0.211 0.002 -0.096 -0.054 0.123 0.037 0.17 1 0.274
-0.04 -0.056 -0.012 -0.205 0.081 0.24 0.014 -0.197 -0.194 0.274 1

age group 3, sex=F, urban=city

39

102.79 19.45 21.3 156.95 20.95 175.62 53.86 0.55 568.51 8.62 460.23
81.3 36.89 28.71 142.63 29.24 98.23 52.37 1.94 267.09 24.23 273.83
1 -0.193 -0.011 -0.306 -0.479 -0.027 0.242 0.047 0.268 -0.155 -0.318
-0.193 1 0.028 -0.263 0.187 -0.076 -0.035 0.04 -0.283 -0.174 0.222
-0.011 0.028 1 -0.1 0.082 0.245 0.047 0.381 -0.147 0.732 -0.007
-0.306 -0.263 -0.1 1 0.06 -0.207 -0.315 -0.163 -0.124 0.052 0.267
-0.479 0.187 0.082 0.06 1 0.028 -0.119 -0.053 -0.482 0.187 0.23
-0.027 -0.076 0.245 -0.207 0.028 1 -0.045 0.257 0.116 0.386 0.227
0.242 -0.035 0.047 -0.315 -0.119 -0.045 1 -0.134 -0.07 0.117 -0.132
0.047 0.04 0.381 -0.163 -0.053 0.257 -0.134 1 0.139 0.234 -0.171
0.268 -0.283 -0.147 -0.124 -0.482 0.116 -0.07 0.139 1 -0.292 -0.112
-0.155 -0.174 0.732 0.052 0.187 0.386 0.117 0.234 -0.292 1 0.088
-0.318 0.222 -0.007 0.267 0.23 0.227 -0.132 -0.171 -0.112 0.088 1

age group 4, sex=F, urban=city

68

118.66 23.77 26.95 128.96 15.91 186.34 84.75 0.89 482.09 9.61 523.21
83.35 40.15 31.17 105.82 26.01 115.98 95.83 6.89 280.8 21.54 364.53
1 -0.239 0.162 -0.102 -0.069 -0.13 0.016 0.005 0.284 -0.067 0.185
-0.239 1 0.161 0.065 0.275 -0.096 -0.049 0.202 -0.152 -0.128 -0.173
0.162 0.161 1 -0.085 0.34 0.263 0.103 -0.047 0.277 -0.231 -0.144
-0.102 0.065 -0.085 1 0.168 -0.027 0.075 0.391 -0.025 -0.04 -0.025
-0.069 0.275 0.34 0.168 1 -0.044 -0.176 -0.08 -0.214 -0.236 -0.174
-0.13 -0.096 0.263 -0.027 -0.044 1 0.187 0.001 0.363 -0.195 -0.012
0.016 -0.049 0.103 0.075 -0.176 0.187 1 -0.047 0.268 0.028 -0.145
0.005 0.202 -0.047 0.391 -0.08 0.001 -0.047 1 -0.183 -0.005 0.241
0.284 -0.152 0.277 -0.025 -0.214 0.363 0.268 -0.183 1 -0.027 -0.26
-0.067 -0.128 -0.231 -0.04 -0.236 -0.195 0.028 -0.005 -0.027 1 0.184
0.185 -0.173 -0.144 -0.025 -0.174 -0.012 -0.145 0.241 -0.26 0.184 1

age group 5, sex=F, urban=city

62

126.49	25	35.78	136.73	19.93	152.89	58.85	1.58	404.46	19.79	701.95
75.13	38.48	48.76	95.38	24.31	69.85	70.72	8.08	286.23	32.46	626.6
1	-0.265	0.132	0.147	-0.048	-0.169	0.126	-0.046	-0.074	0.069	0.423
-0.265	1	-0.003	0.126	0.146	-0.003	0.173	0.13	0.36	0.16	-0.114
0.132	-0.003	1	0.092	-0.047	-0.083	0.186	-0.126	-0.003	-0.017	0.175
0.147	0.126	0.092	1	-0.073	-0.088	0.089	0.155	0.184	0.191	0.077
-0.048	0.146	-0.047	-0.073	1	0.105	0.198	0.008	-0.012	0.016	-0.019
-0.169	-0.003	-0.083	-0.088	0.105	1	0.096	-0.229	0.248	-0.32	-0.072
0.126	0.173	0.186	0.089	0.198	0.096	1	-0.029	0.278	0.056	-0.2
-0.046	0.13	-0.126	0.155	0.008	-0.229	-0.029	1	-0.022	0.458	0.066
-0.074	0.36	-0.003	0.184	-0.012	0.248	0.278	-0.022	1	0.128	-0.157
0.069	0.16	-0.017	0.191	0.016	-0.32	0.056	0.458	0.128	1	0.225
0.423	-0.114	0.175	0.077	-0.019	-0.072	-0.2	0.066	-0.157	0.225	1

age group 6, sex=F, urban=city

246

114.86	27.76	60.09	166.85	25.63	129.58	112.81	3.98	228.73	24.33	933.59
90.46	45.53	66.42	132.39	31.49	103.09	148.15	19.52	224.29	41.4	558.9
1	-0.087	0.063	-0.051	0.096	0.056	-0.075	-0.03	-0.01	-0.116	0.11
-0.087	1	0.129	0.108	-0.013	0.008	-0.007	0.054	0.042	-0.054	0.074
0.063	0.129	1	0.047	0.097	-0.026	0.038	0.081	0.066	0.064	0.107
-0.051	0.108	0.047	1	0.083	0.017	0.081	-0.009	0.132	-0.036	-0.045
0.096	-0.013	0.097	0.083	1	0.157	0.029	0.053	0.058	-0.028	0.057
0.056	0.008	-0.026	0.017	0.157	1	-0.058	-0.081	0.156	0.013	0.171
-0.075	-0.007	0.038	0.081	0.029	-0.058	1	0.05	-0.064	0.093	0.083
-0.03	0.054	0.081	-0.009	0.053	-0.081	0.05	1	-0.084	0.072	0.019
-0.01	0.042	0.066	0.132	0.058	0.156	-0.064	-0.084	1	0.155	-0.083
-0.116	-0.054	0.064	-0.036	-0.028	0.013	0.093	0.072	0.155	1	-0.017
0.11	0.074	0.107	-0.045	0.057	0.171	0.083	0.019	-0.083	-0.017	1

age group 1, sex=N, urban=city

0

age group 2, sex=N, urban=city

0

age group 3, sex=N, urban=city

0

age group 4, sex=N, urban=city

0

age group 5, sex=N, urban=city

0

age group 6, sex=N, urban=city

3

84.78 12.22 155.54 204.28 48.67 176.16 124.67 2.84 283.96 0 642.36
109.94 21.17 167.58 132.39 48.01 203.3 143.81 4.92 339.97 0 256.23
1 -0.311 -0.316 0.277 -0.183 -0.711 0.861 -0.668 0.976 NA 0.147
-0.311 1 -0.804 -0.999 -0.878 -0.448 -0.751 -0.5 -0.511 NA -0.986
-0.316 -0.804 1 0.824 0.991 0.892 0.211 0.917 -0.101 NA 0.892
0.277 -0.999 0.824 1 0.894 0.479 0.727 0.53 0.48 NA 0.991
-0.183 -0.878 0.991 0.894 1 0.822 0.343 0.854 0.037 NA 0.946
-0.711 -0.448 0.892 0.479 0.822 1 -0.254 0.998 -0.54 NA 0.591
0.861 -0.751 0.211 0.727 0.343 -0.254 1 -0.197 0.951 NA 0.63
-0.668 -0.5 0.917 0.53 0.854 0.998 -0.197 1 -0.489 NA 0.638
0.976 -0.511 -0.101 0.48 0.037 -0.54 0.951 -0.489 1 NA 0.36
NA NA NA NA NA NA NA NA NA NA NA
0.147 -0.986 0.892 0.991 0.946 0.591 0.63 0.638 0.36 NA 1

age group 1, sex=M, urban=rural

6

0 22.86 0 78.9 16.94 52.74 35.75 0 511.12 0 180.93
0 51.51 0 73.37 32.2 63.49 45.98 0 411.67 0 288.91
NA NA NA NA NA NA NA NA NA NA NA
NA 1 NA 0.297 0.981 0.302 0.275 NA -0.603 NA 0.977
NA NA NA NA NA NA NA NA NA NA NA
NA 0.297 NA 1 0.299 0.903 0.92 NA -0.171 NA 0.458
NA 0.981 NA 0.299 1 0.335 0.202 NA -0.573 NA 0.964
NA 0.302 NA 0.903 0.335 1 0.798 NA -0.391 NA 0.491
NA 0.275 NA 0.92 0.202 0.798 1 NA -0.245 NA 0.424
NA NA NA NA NA NA NA NA NA NA NA
NA -0.603 NA -0.171 -0.573 -0.391 -0.245 NA 1 NA -0.674
NA NA NA NA NA NA NA NA NA NA NA
NA 0.977 NA 0.458 0.964 0.491 0.424 NA -0.674 NA 1

age group 2, sex=M, urban=rural

13

85.43 26.58 2.14 89.45 20.82 111.12 60.41 0 359.07 4.07 369.43
72.36 38.62 6.78 68.74 20.11 54.24 82.29 0 168.57 12.14 273.17
1 -0.012 -0.127 0.223 0.365 0.036 -0.26 NA -0.572 -0.021 0.36
-0.012 1 -0.235 -0.201 0.102 0.384 0.043 NA -0.086 -0.25 -0.036
-0.127 -0.235 1 0.48 -0.035 0.171 0.23 NA 0.704 0.965 -0.19
0.223 -0.201 0.48 1 0.165 0.681 0.45 NA 0.272 0.459 0.412
0.365 0.102 -0.035 0.165 1 0.286 0.477 NA -0.192 0.091 0.575
0.036 0.384 0.171 0.681 0.286 1 0.55 NA 0.16 0.217 0.415
-0.26 0.043 0.23 0.45 0.477 0.55 1 NA 0.394 0.211 0.232
NA NA NA NA NA NA NA NA NA NA NA
-0.572 -0.086 0.704 0.272 -0.192 0.16 0.394 NA 1 0.579 -0.314
-0.021 -0.25 0.965 0.459 0.091 0.217 0.211 NA 0.579 1 -0.09
0.36 -0.036 -0.19 0.412 0.575 0.415 0.232 NA -0.314 -0.09 1

age group 3, sex=M, urban=rural

6

143.15 20.22 24.89 149.78 15.89 274.36 7.67 0 366.79 3.58 269.16
45.17 22.41 37.29 138.9 25.86 136.62 18.78 0 98.87 7.48 140.23
1 0.571 0.637 0.679 0.221 0.52 0.578 NA -0.532 0.104 0.677
0.571 1 0.742 0.535 -0.253 0.771 0.578 NA 0.052 -0.393 -0.137
0.637 0.742 1 0.649 -0.293 0.363 0.619 NA 0.278 -0.383 0.331
0.679 0.535 0.649 1 -0.439 0.093 0.759 NA -0.055 -0.563 0.5
0.221 -0.253 -0.293 -0.439 1 0.116 -0.048 NA -0.523 0.979 0.314
0.52 0.771 0.363 0.093 0.116 1 0.066 NA -0.403 0.046 -0.226
0.578 0.578 0.619 0.759 -0.048 0.066 1 NA 0.145 -0.235 0.389
NA NA NA NA NA NA NA NA NA NA NA
-0.532 0.052 0.278 -0.055 -0.523 -0.403 0.145 NA 1 -0.51 -0.377
0.104 -0.393 -0.383 -0.563 0.979 0.046 -0.235 NA -0.51 1 0.282
0.677 -0.137 0.331 0.5 0.314 -0.226 0.389 NA -0.377 0.282 1

age group 4, sex=M, urban=rural

11

216.03 31.39 28.43 230.26 31.55 241.7 127.49 0 645.82 9.7 498.5
90.08 42.24 45.45 128.38 25.61 125.11 181.5 0 375.32 13.36 335.95
1 0.19 -0.411 -0.312 0.311 -0.182 -0.604 NA -0.198 0.318 -0.239
0.19 1 0.143 0.34 0.559 0.424 -0.238 NA -0.2 -0.108 0.407
-0.411 0.143 1 0.308 0.477 0.838 0.706 NA -0.631 -0.238 0.71
-0.312 0.34 0.308 1 0.243 0.381 0.446 NA 0.107 -0.303 0.15
0.311 0.559 0.477 0.243 1 0.555 -0.037 NA -0.454 -0.205 0.599
-0.182 0.424 0.838 0.381 0.555 1 0.427 NA -0.457 -0.257 0.681
-0.604 -0.238 0.706 0.446 -0.037 0.427 1 NA -0.194 -0.259 0.224
NA NA NA NA NA NA NA NA NA NA NA
-0.198 -0.2 -0.631 0.107 -0.454 -0.457 -0.194 NA 1 -0.127 -0.367
0.318 -0.108 -0.238 -0.303 -0.205 -0.257 -0.259 NA -0.127 1 -0.163
-0.239 0.407 0.71 0.15 0.599 0.681 0.224 NA -0.367 -0.163 1

age group 5, sex=M, urban=rural

11

298.48 56.09 32.96 263.6 30.97 289.33 40.74 0 465.4 21.83 653.68
94.8 49.49 47.28 243.42 37.39 196.59 74.03 0 369.05 44.88 285.49
1 -0.056 -0.609 -0.007 0.481 -0.418 -0.197 NA -0.033 -0.06 0.299
-0.056 1 0.434 -0.085 0.391 -0.127 -0.227 NA -0.638 -0.524 0.32
-0.609 0.434 1 -0.216 0.121 0.346 0.402 NA -0.222 -0.275 0.383
-0.007 -0.085 -0.216 1 0.227 0.304 -0.021 NA 0.049 -0.112 -0.088
0.481 0.391 0.121 0.227 1 0.155 0.03 NA -0.25 -0.267 0.74
-0.418 -0.127 0.346 0.304 0.155 1 0.57 NA 0.484 -0.213 -0.209
-0.197 -0.227 0.402 -0.021 0.03 0.57 1 NA 0.725 -0.047 -0.055
NA NA NA NA NA NA NA NA NA NA NA
-0.033 -0.638 -0.222 0.049 -0.25 0.484 0.725 NA 1 0.326 -0.486
-0.06 -0.524 -0.275 -0.112 -0.267 -0.213 -0.047 NA 0.326 1 -0.05
0.299 0.32 0.383 -0.088 0.74 -0.209 -0.055 NA -0.486 -0.05 1

age group 6, sex=M, urban=rural

57

210.52 38.78 59.18 247.13 39.69 230.59 100.56 6.35 307.48 14.03 1068.38
145.43 49.16 79.93 250.74 47.76 161.46 153.56 33.99 335.54 20.34 550.98
1 -0.194 -0.127 0.018 -0.193 0.333 -0.192 -0.179 -0.082 -0.147 0.042
-0.194 1 0.474 0.099 0.036 -0.026 -0.089 0.18 -0.103 0.03 -0.125
-0.127 0.474 1 0.12 0.047 -0.146 0.237 0.053 -0.206 0.157 0.062
0.018 0.099 0.12 1 0.182 0.168 -0.012 -0.081 0.006 -0.019 0.383
-0.193 0.036 0.047 0.182 1 0.08 0.215 0.038 0.004 0.008 0.022
0.333 -0.026 -0.146 0.168 0.08 1 -0.148 0.132 0.312 0.006 0.025
-0.192 -0.089 0.237 -0.012 0.215 -0.148 1 0.027 0.075 0.023 0.069
-0.179 0.18 0.053 -0.081 0.038 0.132 0.027 1 -0.037 -0.131 0.037
-0.082 -0.103 -0.206 0.006 0.004 0.312 0.075 -0.037 1 -0.086 -0.235
-0.147 0.03 0.157 -0.019 0.008 0.006 0.023 -0.131 -0.086 1 -0.082
0.042 -0.125 0.062 0.383 0.022 0.025 0.069 0.037 -0.235 -0.082 1

age group 1, sex=F, urban=rural

4

0 16 0 99.93 0 87.34 0 0 399.28 0 32.75
0 32 0 54.51 0 75.91 0 0 439.04 0 61.4
NA NA NA NA NA NA NA NA NA NA NA
NA 1 NA 0.476 NA 0.704 NA NA 0.535 NA -0.288
NA NA NA NA NA NA NA NA NA NA NA
NA 0.476 NA 1 NA 0.209 NA NA 0.993 NA -0.506
NA NA NA NA NA NA NA NA NA NA NA
NA 0.704 NA 0.209 NA 1 NA NA 0.189 NA 0.457
NA NA NA NA NA NA NA NA NA NA NA
NA NA NA NA NA NA NA NA NA NA NA
NA 0.535 NA 0.993 NA 0.189 NA NA 1 NA -0.589
NA NA NA NA NA NA NA NA NA NA NA
NA -0.288 NA -0.506 NA 0.457 NA NA -0.589 NA 1

age group 2, sex=F, urban=rural

18

87.28 24.34 6.73 72.46 28.33 129.52 45.61 0 392.86 6.63 304.21
80.63 37.31 19.25 71.59 32.29 91.07 71.44 0 383.24 16.53 232.03
1 -0.187 -0.165 -0.249 -0.297 0.137 -0.43 NA 0.102 -0.227 0.116
-0.187 1 0.382 0.222 0.051 -0.129 0.076 NA -0.036 -0.273 -0.099
-0.165 0.382 1 0.027 -0.196 0.061 -0.235 NA -0.132 -0.13 0.105
-0.249 0.222 0.027 1 0.125 -0.093 0.365 NA 0.244 -0.069 -0.471
-0.297 0.051 -0.196 0.125 1 -0.197 0.043 NA -0.176 -0.123 0.273
0.137 -0.129 0.061 -0.093 -0.197 1 -0.328 NA -0.278 -0.151 -0.155
-0.43 0.076 -0.235 0.365 0.043 -0.328 1 NA -0.046 0.463 -0.517
NA NA NA NA NA NA NA NA NA NA NA
0.102 -0.036 -0.132 0.244 -0.176 -0.278 -0.046 NA 1 -0.293 -0.313
-0.227 -0.273 -0.13 -0.069 -0.123 -0.151 0.463 NA -0.293 1 -0.036
0.116 -0.099 0.105 -0.471 0.273 -0.155 -0.517 NA -0.313 -0.036 1

age group 3, sex=F, urban=rural

21

154.42 25.72 13.19 184.39 12.43 165.1 116.86 0 457.75 4.03 433.9
73.14 36.43 23.28 135.46 16.03 70.09 203.06 0 268.48 6.35 179.01
1 0.005 0.176 0.153 -0.036 -0.092 -0.327 NA -0.027 -0.16 0.008
0.005 1 0.067 0.136 -0.019 -0.181 0.023 NA -0.017 -0.2 -0.162
0.176 0.067 1 0.4 0.093 0.305 -0.13 NA -0.165 -0.319 -0.025
0.153 0.136 0.4 1 -0.132 0.376 0.156 NA 0.524 -0.073 -0.494
-0.036 -0.019 0.093 -0.132 1 -0.111 0.005 NA -0.322 0.433 0.197
-0.092 -0.181 0.305 0.376 -0.111 1 0.143 NA 0.338 0.257 -0.071
-0.327 0.023 -0.13 0.156 0.005 0.143 1 NA 0.561 -0.13 -0.492
NA NA NA NA NA NA NA NA NA NA NA
-0.027 -0.017 -0.165 0.524 -0.322 0.338 0.561 NA 1 0.104 -0.69
-0.16 -0.2 -0.319 -0.073 0.433 0.257 -0.13 NA 0.104 1 0.148
0.008 -0.162 -0.025 -0.494 0.197 -0.071 -0.492 NA -0.69 0.148 1

age group 4, sex=F, urban=rural

10

156.86 27.63 23.77 185.67 13.52 183.25 169.29 0 494.21 0.94 400.56
82.41 30.52 31.44 124.26 20.01 79.7 280.36 0 180 2.98 162.32
1 -0.507 0.248 -0.434 -0.304 0.053 -0.697 NA -0.627 0.016 0.556
-0.507 1 0.436 0.065 0.103 -0.553 0.342 NA 0.153 0.054 -0.189
0.248 0.436 1 0.129 -0.56 0.075 -0.368 NA -0.354 -0.266 0.047
-0.434 0.065 0.129 1 -0.156 0.232 0.434 NA 0.451 -0.214 -0.823
-0.304 0.103 -0.56 -0.156 1 -0.275 0.213 NA 0.162 0.875 0.03
0.053 -0.553 0.075 0.232 -0.275 1 -0.13 NA -0.073 -0.301 -0.184
-0.697 0.342 -0.368 0.434 0.213 -0.13 1 NA 0.634 -0.212 -0.778
NA NA NA NA NA NA NA NA NA NA NA
-0.627 0.153 -0.354 0.451 0.162 -0.073 0.634 NA 1 -0.185 -0.391
0.016 0.054 -0.266 -0.214 0.875 -0.301 -0.212 NA -0.185 1 0.263
0.556 -0.189 0.047 -0.823 0.03 -0.184 -0.778 NA -0.391 0.263 1

age group 5, sex=F, urban=rural

19

103.35 17.33 21.54 122.62 6.05 122.14 64.45 0 251.49 11.95 617.75
74.06 26.6 32.38 108.93 12.14 66.86 188.5 0 190.81 28.63 391.88
1 -0.312 0.477 0.15 -0.243 -0.131 -0.057 NA -0.348 0.493 -0.024
-0.312 1 -0.317 0.054 0.201 -0.024 0.265 NA 0.696 -0.177 -0.478
0.477 -0.317 1 -0.147 -0.158 0.16 -0.144 NA -0.335 0.423 0.092
0.15 0.054 -0.147 1 0.219 -0.033 0.407 NA 0.354 0.154 -0.315
-0.243 0.201 -0.158 0.219 1 0.365 0.27 NA 0.468 -0.127 -0.095
-0.131 -0.024 0.16 -0.033 0.365 1 0.268 NA -0.056 0.06 0.279
-0.057 0.265 -0.144 0.407 0.27 0.268 1 NA 0.436 0.026 -0.265
NA NA NA NA NA NA NA NA NA NA NA
-0.348 0.696 -0.335 0.354 0.468 -0.056 0.436 NA 1 -0.332 -0.491
0.493 -0.177 0.423 0.154 -0.127 0.06 0.026 NA -0.332 1 -0.346
-0.024 -0.478 0.092 -0.315 -0.095 0.279 -0.265 NA -0.491 -0.346 1

age group 6, sex=F, urban=rural

67

125.46 37.48 50.07 184.46 21.47 132.93 93.59 0 219.97 19.79 929.64
102.58 48.07 64.53 116.87 29.36 86.53 136.73 0 234.5 35.21 507.32
1 -0.216 0.18 -0.082 0.09 0.149 -0.082 NA 0.001 -0.113 0.093
-0.216 1 -0.052 0.155 0.033 -0.149 -0.113 NA -0.064 -0.111 0.042
0.18 -0.052 1 0.207 0.258 0.178 0.157 NA -0.148 0.285 -0.007
-0.082 0.155 0.207 1 0.067 -0.097 0.405 NA 0.115 0.178 -0.093
0.09 0.033 0.258 0.067 1 -0.162 0.04 NA -0.182 0.231 -0.01
0.149 -0.149 0.178 -0.097 -0.162 1 0.071 NA 0.045 0.004 -0.159
-0.082 -0.113 0.157 0.405 0.04 0.071 1 NA 0.258 0.319 -0.225
NA NA NA NA NA NA NA NA NA NA NA
0.001 -0.064 -0.148 0.115 -0.182 0.045 0.258 NA 1 -0.03 -0.179
-0.113 -0.111 0.285 0.178 0.231 0.004 0.319 NA -0.03 1 0.026
0.093 0.042 -0.007 -0.093 -0.01 -0.159 -0.225 NA -0.179 0.026 1

age group 1, sex=N, urban=rural

0

age group 2, sex=N, urban=rural

0

age group 3, sex=N, urban=rural

0

age group 4, sex=N, urban=rural

0

age group 5, sex=N, urban=rural

0

age group 6, sex=N, urban=rural

3

139.13 25.22 55.8 234.82 51.56 160.15 201.18 0 448.33 53.19 844.74
63.68 43.69 92.72 101.81 56.53 59.54 293.96 0 270.48 76.53 545.03
1 0.948 -0.733 -0.421 -0.944 0.277 -0.818 NA -0.59 -0.825 0.925
0.948 1 -0.478 -0.11 -0.79 0.569 -0.593 NA -0.816 -0.602 0.998
-0.733 -0.478 1 0.926 0.916 0.45 0.991 NA -0.116 0.989 -0.42
-0.421 -0.11 0.926 1 0.697 0.755 0.866 NA -0.484 0.86 -0.045
-0.944 -0.79 0.916 0.697 1 0.055 0.962 NA 0.291 0.965 -0.748
0.277 0.569 0.45 0.755 0.055 1 0.325 NA -0.939 0.315 0.622
-0.818 -0.593 0.991 0.866 0.962 0.325 1 NA 0.019 1 -0.538
NA NA NA NA NA NA NA NA NA NA NA
-0.59 -0.816 -0.116 -0.484 0.291 -0.939 0.019 NA 1 0.03 -0.853
-0.825 -0.602 0.989 0.86 0.965 0.315 1 NA 0.03 1 -0.548
0.925 0.998 -0.42 -0.045 -0.748 0.622 -0.538 NA -0.853 -0.548 1

A.4 SPRING

age group 1, sex=M, urban=city

19

```
28.56 30.2 3.11 105.23 6.28 41.17 62.6 0 484.86 0 213.67
52.68 44.91 9.72 114.57 15.42 46.04 57.53 0 391.86 0 383.17
1 0.488 0.06 0.709 0.317 0.22 -0.136 NA -0.24 NA 0.482
0.488 1 0.103 0.541 0.372 0.788 0.367 NA -0.168 NA 0.084
0.06 0.103 1 0.033 0.236 0.402 -0.135 NA 0.124 NA -0.115
0.709 0.541 0.033 1 0.165 0.424 0.333 NA -0.119 NA 0.497
0.317 0.372 0.236 0.165 1 0.241 0.099 NA 0.183 NA 0.007
0.22 0.788 0.402 0.424 0.241 1 0.399 NA 0.151 NA -0.09
-0.136 0.367 -0.135 0.333 0.099 0.399 1 NA 0.023 NA 0.052
NA NA NA NA NA NA NA NA NA NA NA
-0.24 -0.168 0.124 -0.119 0.183 0.151 0.023 NA 1 NA -0.442
NA NA NA NA NA NA NA NA NA NA NA
0.482 0.084 -0.115 0.497 0.007 -0.09 0.052 NA -0.442 NA 1
```

age group 2, sex=M, urban=city

115

```
82.13 19.62 12.1 101.37 25.04 150.96 51.4 0 451.97 9.99 379.49
55.96 29.07 19.44 66.26 27.78 80.24 69.11 0 270.81 15.61 208.52
1 -0.018 -0.021 0.118 -0.03 -0.072 -0.098 NA 0.048 -0.12 -0.053
-0.018 1 -0.078 -0.213 0.07 -0.133 0.137 NA 0.044 -0.091 -0.035
-0.021 -0.078 1 0.076 0.052 0.055 0.115 NA -0.102 0.017 -0.013
0.118 -0.213 0.076 1 0.062 0.254 0.133 NA -0.144 -0.061 -0.166
-0.03 0.07 0.052 0.062 1 0.113 0.056 NA -0.007 -0.039 0.098
-0.072 -0.133 0.055 0.254 0.113 1 -0.069 NA 0.019 -0.151 -0.149
-0.098 0.137 0.115 0.133 0.056 -0.069 1 NA 0.014 0.127 0.051
NA NA NA NA NA NA NA NA NA NA NA
0.048 0.044 -0.102 -0.144 -0.007 0.019 0.014 NA 1 0.136 -0.162
-0.12 -0.091 0.017 -0.061 -0.039 -0.151 0.127 NA 0.136 1 -0.016
-0.053 -0.035 -0.013 -0.166 0.098 -0.149 0.051 NA -0.162 -0.016 1
```

age group 3, sex=M, urban=city

143

```
117.52 29.99 21.17 108.19 16.4 198.49 50.99 0.28 499.85 9.66 421.82
102.31 50.76 35.87 77.64 23.95 102.95 65.2 2.91 234.28 17.24 252.67
1 -0.23 0.008 -0.06 -0.044 0.046 -0.017 -0.018 -0.041 0.318 -0.151
-0.23 1 -0.021 -0.036 -0.04 -0.15 0.083 -0.058 -0.065 -0.097 -0.189
0.008 -0.021 1 0.309 0.063 0.104 0.035 -0.052 0.078 0.099 0.181
-0.06 -0.036 0.309 1 0.051 0.06 0.078 -0.059 0.114 0 0.031
-0.044 -0.04 0.063 0.051 1 0.084 0.225 -0.05 0.036 -0.018 0.022
0.046 -0.15 0.104 0.06 0.084 1 0.026 0.109 0.095 0.161 0.087
-0.017 0.083 0.035 0.078 0.225 0.026 1 -0.076 0.084 0.052 0.137
-0.018 -0.058 -0.052 -0.059 -0.05 0.109 -0.076 1 -0.11 -0.055 0.166
-0.041 -0.065 0.078 0.114 0.036 0.095 0.084 -0.11 1 -0.009 -0.129
0.318 -0.097 0.099 0 -0.018 0.161 0.052 -0.055 -0.009 1 -0.093
-0.151 -0.189 0.181 0.031 0.022 0.087 0.137 0.166 -0.129 -0.093 1
```


age group 4, sex=M, urban=city

157

147.59 30.18 27.27 153.03 23.43 245.28 61.78 0.92 563.67 8.75 497.48
88.18 48.32 39.79 97.82 36.66 131.68 85.41 4.93 345.58 18.57 306.38
1 -0.317 0.213 0.056 -0.001 -0.186 0.075 0.119 0.077 0.057 -0.134
-0.317 1 0.028 -0.012 0.202 0.142 0.05 -0.074 0.14 -0.13 0.138
0.213 0.028 1 0.24 -0.019 0.174 0.03 0.085 0.4 0.315 -0.089
0.056 -0.012 0.24 1 0.206 0.153 0.134 -0.021 0.188 0.181 0.039
-0.001 0.202 -0.019 0.206 1 0.189 0.03 0.143 0.081 -0.075 0.2
-0.186 0.142 0.174 0.153 0.189 1 -0.079 -0.005 0.271 -0.081 0.164
0.075 0.05 0.03 0.134 0.03 -0.079 1 0.056 -0.038 -0.045 0.089
0.119 -0.074 0.085 -0.021 0.143 -0.005 0.056 1 0.093 -0.088 -0.055
0.077 0.14 0.4 0.188 0.081 0.271 -0.038 0.093 1 0.038 -0.198
0.057 -0.13 0.315 0.181 -0.075 -0.081 -0.045 -0.088 0.038 1 -0.088
-0.134 0.138 -0.089 0.039 0.2 0.164 0.089 -0.055 -0.198 -0.088 1

age group 5, sex=M, urban=city

170

228.66 36.22 41.07 185.74 30.43 264.65 47.62 1.62 654 15.71 788.74
129.48 54.54 58.61 127.03 42.23 163.92 67.03 13.24 425.27 27.94 493.42
1 -0.073 -0.08 0.283 0.038 0.126 -0.056 -0.041 0.138 -0.044 0.229
-0.073 1 0.262 0.163 0.24 -0.054 0.238 -0.072 -0.044 -0.011 0.118
-0.08 0.262 1 0.362 0.123 -0.02 0.143 -0.056 -0.051 0.163 -0.068
0.283 0.163 0.362 1 0.077 0.051 0.211 0.017 0.151 0.02 0.098
0.038 0.24 0.123 0.077 1 -0.032 0.161 0.063 0.043 0.084 0.108
0.126 -0.054 -0.02 0.051 -0.032 1 0.115 -0.037 0.346 0.003 0.012
-0.056 0.238 0.143 0.211 0.161 0.115 1 -0.022 0.104 0.003 0.047
-0.041 -0.072 -0.056 0.017 0.063 -0.037 -0.022 1 -0.094 -0.051 -0.027
0.138 -0.044 -0.051 0.151 0.043 0.346 0.104 -0.094 1 -0.033 -0.305
-0.044 -0.011 0.163 0.02 0.084 0.003 0.003 -0.051 -0.033 1 0.115
0.229 0.118 -0.068 0.098 0.108 0.012 0.047 -0.027 -0.305 0.115 1

age group 6, sex=M, urban=city

1014

201.11 37.91 55.15 194.48 33.99 195.84 60.15 4.41 273.23 20.49 1158.2
135.08 58.8 65.9 144.5 42.23 151.74 105 20.66 281.9 36.54 702.72
1 -0.124 0.008 0.143 0.02 -0.017 -0.069 0.004 0.007 -0.043 0.134
-0.124 1 0.067 0.066 -0.006 -0.02 0.068 -0.024 -0.043 -0.042 -0.027
0.008 0.067 1 0.097 0.027 0.051 0.055 -0.002 -0.028 0.061 0.047
0.143 0.066 0.097 1 0.106 0.088 0.092 -0.055 0.128 0.078 0.122
0.02 -0.006 0.027 0.106 1 0.008 0.063 0.01 -0.021 0.064 0.072
-0.017 -0.02 0.051 0.088 0.008 1 0.03 -0.044 0.181 0.065 0.046
-0.069 0.068 0.055 0.092 0.063 0.03 1 -0.015 0.075 0.159 -0.045
0.004 -0.024 -0.002 -0.055 0.01 -0.044 -0.015 1 -0.062 0 0.042
0.007 -0.043 -0.028 0.128 -0.021 0.181 0.075 -0.062 1 0.062 -0.159
-0.043 -0.042 0.061 0.078 0.064 0.065 0.159 0 0.062 1 0.042
0.134 -0.027 0.047 0.122 0.072 0.046 -0.045 0.042 -0.159 0.042 1

age group 1, sex=F, urban=city

18

22.62 15.26 0.03 85.69 2.97 55.81 100.51 0 456.81 7.35 108.3
53.68 27.28 0.13 110.7 7.78 59.83 123.48 0 330.78 30.03 177.82
1 0.52 -0.04 0.112 -0.081 0.313 0.695 NA -0.031 -0.107 0.343
0.52 1 -0.14 0.453 0.024 0.033 0.561 NA 0.005 -0.138 0.112
-0.04 -0.14 1 -0.111 0.151 0.735 -0.153 NA -0.017 -0.061 0.149
0.112 0.453 -0.111 1 -0.15 -0.017 -0.051 NA 0.186 -0.039 -0.041
-0.081 0.024 0.151 -0.15 1 0.167 -0.005 NA -0.153 -0.061 0.266
0.313 0.033 0.735 -0.017 0.167 1 0.111 NA 0.074 -0.178 0.312
0.695 0.561 -0.153 -0.051 -0.005 0.111 1 NA -0.01 0.054 0.253
NA NA NA NA NA NA NA NA NA NA NA
-0.031 0.005 -0.017 0.186 -0.153 0.074 -0.01 NA 1 -0.35 -0.036
-0.107 -0.138 -0.061 -0.039 -0.061 -0.178 0.054 NA -0.35 1 -0.152
0.343 0.112 0.149 -0.041 0.266 0.312 0.253 NA -0.036 -0.152 1

age group 2, sex=F, urban=city

85

71.61 13.56 7.86 80.84 24.14 124.23 54.04 0 356.18 12.37 395.72
49.2 27.39 12.77 61.75 24.84 80.14 71.17 0 208.49 16.79 270.53
1 -0.259 0.173 -0.012 0.02 0.321 0.352 NA -0.041 0.151 0.005
-0.259 1 -0.018 -0.033 -0.111 -0.08 0.037 NA -0.048 -0.026 -0.233
0.173 -0.018 1 0.237 0.094 0.257 0.013 NA -0.05 0.034 -0.052
-0.012 -0.033 0.237 1 0.282 0.253 -0.044 NA 0.139 0.019 0.173
0.02 -0.111 0.094 0.282 1 -0.029 -0.145 NA 0.068 0.209 0.169
0.321 -0.08 0.257 0.253 -0.029 1 0.252 NA 0.059 0.018 0.041
0.352 0.037 0.013 -0.044 -0.145 0.252 1 NA 0.057 0.132 -0.106
NA NA NA NA NA NA NA NA NA NA NA
-0.041 -0.048 -0.05 0.139 0.068 0.059 0.057 NA 1 0.189 -0.053
0.151 -0.026 0.034 0.019 0.209 0.018 0.132 NA 0.189 1 -0.193
0.005 -0.233 -0.052 0.173 0.169 0.041 -0.106 NA -0.053 -0.193 1

age group 3, sex=F, urban=city

132

107.85 25.86 22.08 125.34 17.82 187.66 60.35 0.62 476.84 10.66 430.81
82.19 43.74 30.83 92.07 25.44 114.8 84.21 5.84 238.93 17.85 259.08
1 -0.081 0.194 0.067 0.059 0.076 -0.021 -0.061 -0.078 0.158 -0.04
-0.081 1 0.094 -0.015 0.027 -0.1 0.06 0.05 -0.044 -0.096 -0.089
0.194 0.094 1 0.278 0.201 0.185 0.147 -0.021 0.171 0.168 0.163
0.067 -0.015 0.278 1 -0.028 0.331 0.101 -0.02 0.241 0.042 0.017
0.059 0.027 0.201 -0.028 1 0.033 0.154 -0.011 0.116 -0.096 0.022
0.076 -0.1 0.185 0.331 0.033 1 0.118 -0.079 0.366 0.111 -0.144
-0.021 0.06 0.147 0.101 0.154 0.118 1 -0.062 -0.036 0.135 0.128
-0.061 0.05 -0.021 -0.02 -0.011 -0.079 -0.062 1 -0.068 -0.063 -0.05
-0.078 -0.044 0.171 0.241 0.116 0.366 -0.036 -0.068 1 -0.007 -0.204
0.158 -0.096 0.168 0.042 -0.096 0.111 0.135 -0.063 -0.007 1 0.014
-0.04 -0.089 0.163 0.017 0.022 -0.144 0.128 -0.05 -0.204 0.014 1

age group 4, sex=F, urban=city

179

124.11 23.85 25.63 132.06 19.37 209.54 56 1.34 483.98 10.71 535.62
74.19 33.7 40.67 94.18 32.23 116.87 79.02 9.32 280.45 19.67 284.73
1 0.024 0.207 0.197 0.164 -0.169 0.012 -0.099 -0.091 0.053 0.122
0.024 1 0.2 0.07 0.052 -0.054 0.114 -0.066 0.07 -0.027 -0.046
0.207 0.2 1 0.209 0.362 0.182 0.181 -0.049 0.18 0.238 0.032
0.197 0.07 0.209 1 0.223 0.037 0.192 -0.07 0.155 0.028 0.042
0.164 0.052 0.362 0.223 1 -0.02 0.164 0.133 0.079 0.093 0.11
-0.169 -0.054 0.182 0.037 -0.02 1 -0.098 0.056 0.202 0.155 0.049
0.012 0.114 0.181 0.192 0.164 -0.098 1 -0.03 0.103 -0.034 0.002
-0.099 -0.066 -0.049 -0.07 0.133 0.056 -0.03 1 -0.061 -0.033 0.336
-0.091 0.07 0.18 0.155 0.079 0.202 0.103 -0.061 1 0.027 -0.358
0.053 -0.027 0.238 0.028 0.093 0.155 -0.034 -0.033 0.027 1 -0.008
0.122 -0.046 0.032 0.042 0.11 0.049 0.002 0.336 -0.358 -0.008 1

age group 5, sex=F, urban=city

165

127.58 33.87 33.01 127.11 19.53 176.82 47.83 1.71 340.31 12.68 697.46
80.81 47.03 44.48 105.38 27.33 131.21 101.45 8.76 275.02 21.8 404.8
1 -0.14 0.155 0.222 -0.016 -0.16 0.308 -0.065 0.086 -0.115 0.009
-0.14 1 -0.011 0.106 0.039 0.043 -0.008 -0.052 0.078 -0.01 -0.027
0.155 -0.011 1 0.148 0.086 0.098 0.046 -0.026 0.261 0.285 0.017
0.222 0.106 0.148 1 0.126 0.14 -0.031 -0.101 0.144 -0.002 0.128
-0.016 0.039 0.086 0.126 1 0.195 0.013 -0.055 0.033 0.181 0.05
-0.16 0.043 0.098 0.14 0.195 1 -0.055 -0.015 0.23 0.054 0.099
0.308 -0.008 0.046 -0.031 0.013 -0.055 1 -0.049 0.133 -0.071 -0.112
-0.065 -0.052 -0.026 -0.101 -0.055 -0.015 -0.049 1 -0.031 -0.067 0.016
0.086 0.078 0.261 0.144 0.033 0.23 0.133 -0.031 1 0 -0.358
-0.115 -0.01 0.285 -0.002 0.181 0.054 -0.071 -0.067 0 1 0.175
0.009 -0.027 0.017 0.128 0.05 0.099 -0.112 0.016 -0.358 0.175 1

age group 6, sex=F, urban=city

1281

122.33 30.37 53.39 139.05 22.97 135.72 51.71 3.66 204.07 19.66 943.57
89.21 52.23 58.95 99.74 31.89 104.75 82.41 19.97 206.09 32 500.05
1 -0.172 -0.021 0.124 0.05 -0.018 -0.062 -0.024 0.028 -0.048 0.024
-0.172 1 0.043 0.024 -0.003 -0.043 0.028 0.053 -0.02 -0.075 -0.001
-0.021 0.043 1 0.092 0.017 0.004 0.115 0.072 -0.005 0.104 0.1
0.124 0.024 0.092 1 0.07 0.087 0.185 -0.02 0.113 0.014 0.067
0.05 -0.003 0.017 0.07 1 -0.03 0.008 0.036 -0.01 -0.036 0.067
-0.018 -0.043 0.004 0.087 -0.03 1 0.027 -0.053 0.168 0.011 0.059
-0.062 0.028 0.115 0.185 0.008 0.027 1 0.004 0.083 0.167 0.009
-0.024 0.053 0.072 -0.02 0.036 -0.053 0.004 1 -0.079 -0.012 0.022
0.028 -0.02 -0.005 0.113 -0.01 0.168 0.083 -0.079 1 0.074 -0.198
-0.048 -0.075 0.104 0.014 -0.036 0.011 0.167 -0.012 0.074 1 0.044
0.024 -0.001 0.1 0.067 0.067 0.059 0.009 0.022 -0.198 0.044 1

age group 1, sex=N, urban=city
0

age group 2, sex=N, urban=city
0

age group 3, sex=N, urban=city
0

age group 4, sex=N, urban=city
0

age group 5, sex=N, urban=city
1
51.63 37.8 36 666.09 61.33 507 0 0 255.73 18.67 1546.56

age group 6, sex=N, urban=city
12
195.74 27.36 40.87 96.5 38.94 221.25 64.15 0 491.55 27.6 733.26
180.01 30.99 29.6 62.69 39.64 112.22 75.13 0 367.31 21.98 481.52
1 -0.347 -0.278 -0.523 -0.212 0.507 -0.356 NA -0.014 0.664 -0.441
-0.347 1 0.642 0.389 0.161 -0.073 0.538 NA 0.444 -0.276 0.697
-0.278 0.642 1 0.054 0.217 0.363 0.892 NA 0.058 -0.167 0.192
-0.523 0.389 0.054 1 0.287 -0.225 0.114 NA 0.012 -0.011 0.587
-0.212 0.161 0.217 0.287 1 -0.002 0.144 NA 0.328 0.05 0.267
0.507 -0.073 0.363 -0.225 -0.002 1 0.198 NA -0.013 0.462 -0.411
-0.356 0.538 0.892 0.114 0.144 0.198 1 NA -0.036 -0.013 0.233
NA NA NA NA NA NA NA NA NA NA NA
-0.014 0.444 0.058 0.012 0.328 -0.013 -0.036 NA 1 -0.078 0.284
0.664 -0.276 -0.167 -0.011 0.05 0.462 -0.013 NA -0.078 1 -0.231
-0.441 0.697 0.192 0.587 0.267 -0.411 0.233 NA 0.284 -0.231 1

age group 1, sex=M, urban=rural
8
33.6 12.99 0 98.17 3.83 35.56 36.03 0 466.87 2.33 224.64
62.23 36.75 0 109.74 10.84 40.29 40.25 0 384.67 6.6 376.63
1 0.638 NA 0.928 0.671 0.48 -0.552 NA -0.003 0.671 0.07
0.638 1 NA 0.539 -0.143 0.728 -0.362 NA 0.35 -0.143 0.208
NA NA NA NA NA NA NA NA NA NA NA
0.928 0.539 NA 1 0.674 0.357 -0.639 NA 0.069 0.674 0.115
0.671 -0.143 NA 0.674 1 -0.084 -0.362 NA -0.341 1 -0.11
0.48 0.728 NA 0.357 -0.084 1 0.041 NA 0.65 -0.084 -0.003
-0.552 -0.362 NA -0.639 -0.362 0.041 1 NA 0.107 -0.362 0.115
NA NA NA NA NA NA NA NA NA NA NA
-0.003 0.35 NA 0.069 -0.341 0.65 0.107 NA 1 -0.341 -0.337
0.671 -0.143 NA 0.674 1 -0.084 -0.362 NA -0.341 1 -0.11
0.07 0.208 NA 0.115 -0.11 -0.003 0.115 NA -0.337 -0.11 1

age group 2, sex=M, urban=rural

52

76.35 20.26 8.91 80.91 13.17 153.6 31.76 0 364.15 10.61 393.55
56.24 36.37 16.39 57.32 22.99 91.37 42.68 0 201.01 19.21 239.03
1 -0.213 0.346 -0.173 -0.099 0.086 -0.026 NA -0.136 -0.052 -0.143
-0.213 1 -0.239 0.15 -0.113 -0.081 0.163 NA -0.005 -0.014 0.034
0.346 -0.239 1 -0.069 -0.064 -0.154 0.163 NA 0.042 -0.185 -0.113
-0.173 0.15 -0.069 1 0.301 -0.068 0.014 NA -0.054 0.195 -0.258
-0.099 -0.113 -0.064 0.301 1 -0.046 -0.154 NA 0.046 0.081 -0.131
0.086 -0.081 -0.154 -0.068 -0.046 1 -0.163 NA 0.057 0.006 0.02
-0.026 0.163 0.163 0.014 -0.154 -0.163 1 NA 0.061 0.183 -0.082
NA NA NA NA NA NA NA NA NA NA NA
-0.136 -0.005 0.042 -0.054 0.046 0.057 0.061 NA 1 0.136 -0.082
-0.052 -0.014 -0.185 0.195 0.081 0.006 0.183 NA 0.136 1 0.233
-0.143 0.034 -0.113 -0.258 -0.131 0.02 -0.082 NA -0.082 0.233 1

age group 3, sex=M, urban=rural

72

100.96 22.82 14.61 134.36 15.43 199.59 57.5 0.94 545.24 9.27 418.58
59.39 31.86 22.24 78.86 20.77 75.19 62.88 6.8 252.52 12.62 231
1 0.029 0.201 0.364 -0.011 0.058 0.398 0.106 -0.033 0.072 0.196
0.029 1 0.078 0.193 -0.172 0.119 -0.009 -0.072 0.097 -0.065 -0.096
0.201 0.078 1 0.026 0.199 -0.213 0.207 -0.093 -0.104 0.344 -0.002
0.364 0.193 0.026 1 0.154 0.102 0.23 -0.153 0.315 0.098 0.022
-0.011 -0.172 0.199 0.154 1 0.027 -0.017 0.063 0.103 0.269 0.12
0.058 0.119 -0.213 0.102 0.027 1 0.029 -0.227 0.32 -0.079 0.155
0.398 -0.009 0.207 0.23 -0.017 0.029 1 0.118 0.231 0.314 -0.153
0.106 -0.072 -0.093 -0.153 0.063 -0.227 0.118 1 -0.063 -0.017 -0.193
-0.033 0.097 -0.104 0.315 0.103 0.32 0.231 -0.063 1 -0.217 -0.04
0.072 -0.065 0.344 0.098 0.269 -0.079 0.314 -0.017 -0.217 1 -0.057
0.196 -0.096 -0.002 0.022 0.12 0.155 -0.153 -0.193 -0.04 -0.057 1

age group 4, sex=M, urban=rural

99

161.21 22.18 17.83 154.74 16.34 244.73 50 0.65 583.11 10.29 507.3
103.64 37.8 28.38 136.79 23.27 143.45 73.99 3.69 312.31 21.4 314.14
1 -0.062 0.04 0.114 0.033 0.045 0.174 -0.215 0.112 -0.123 0.056
-0.062 1 -0.048 0.059 0.049 -0.088 -0.097 0.001 0.051 0.017 0.013
0.04 -0.048 1 0.148 0.075 0.146 0.306 -0.054 0.183 0.054 0.031
0.114 0.059 0.148 1 0.213 -0.187 0.113 -0.058 0.081 -0.13 -0.31
0.033 0.049 0.075 0.213 1 -0.195 0.055 -0.029 -0.015 -0.122 0.048
0.045 -0.088 0.146 -0.187 -0.195 1 -0.119 -0.022 0.278 0.256 0.037
0.174 -0.097 0.306 0.113 0.055 -0.119 1 -0.063 0.119 -0.002 -0.05
-0.215 0.001 -0.054 -0.058 -0.029 -0.022 -0.063 1 0.047 -0.085 -0.085
0.112 0.051 0.183 0.081 -0.015 0.278 0.119 0.047 1 0.093 -0.269
-0.123 0.017 0.054 -0.13 -0.122 0.256 -0.002 -0.085 0.093 1 0.159
0.056 0.013 0.031 -0.31 0.048 0.037 -0.05 -0.085 -0.269 0.159 1

age group 5, sex=M, urban=rural

84

216.89 42.94 31.84 178.7 25.54 239.88 42.35 3.02 607.17 16.61 652.41
117.11 64.85 38.82 112.35 43.42 153.67 75.01 12.17 453.65 37.84 370.94
1 -0.045 0.167 0.198 0.385 -0.081 0.016 0.078 0.147 -0.151 0.076
-0.045 1 0.13 0.237 -0.109 0.205 -0.041 0.201 -0.267 -0.106 -0.054
0.167 0.13 1 0.318 -0.005 0.116 0.079 -0.062 0.065 -0.08 0.021
0.198 0.237 0.318 1 0.254 0.025 0.097 0.009 0.055 -0.089 -0.029
0.385 -0.109 -0.005 0.254 1 0.019 0.141 0.063 0.133 0 0.004
-0.081 0.205 0.116 0.025 0.019 1 -0.003 0.025 0.15 0.027 0.24
0.016 -0.041 0.079 0.097 0.141 -0.003 1 -0.083 0.231 0.282 -0.121
0.078 0.201 -0.062 0.009 0.063 0.025 -0.083 1 -0.063 -0.068 -0.134
0.147 -0.267 0.065 0.055 0.133 0.15 0.231 -0.063 1 -0.045 -0.036
-0.151 -0.106 -0.08 -0.089 0 0.027 0.282 -0.068 -0.045 1 0.21
0.076 -0.054 0.021 -0.029 0.004 0.24 -0.121 -0.134 -0.036 0.21 1

age group 6, sex=M, urban=rural

534

205.43 32.06 46.6 205.57 36.08 210.48 51.41 3.56 303.48 15.75 1101.65
128.62 50.48 60.13 150.13 42.24 137.42 88.12 20.47 298.18 26.98 631.61
1 -0.152 -0.021 0.149 0.077 -0.043 -0.003 -0.015 0.009 -0.103 0.091
-0.152 1 -0.014 0.003 0.032 -0.004 0.062 -0.063 0.061 -0.057 -0.001
-0.021 -0.014 1 0.055 -0.001 0.132 0.069 -0.01 -0.012 0.065 0.039
0.149 0.003 0.055 1 0.077 -0.03 0.103 -0.009 0.004 0.129 0.029
0.077 0.032 -0.001 0.077 1 0.056 0.088 0.037 0.073 -0.079 -0.02
-0.043 -0.004 0.132 -0.03 0.056 1 0.1 -0.044 0.123 -0.027 0.001
-0.003 0.062 0.069 0.103 0.088 0.1 1 0.023 0.009 0.005 -0.027
-0.015 -0.063 -0.01 -0.009 0.037 -0.044 0.023 1 0.023 0.1 0.013
0.009 0.061 -0.012 0.004 0.073 0.123 0.009 0.023 1 -0.053 -0.231
-0.103 -0.057 0.065 0.129 -0.079 -0.027 0.005 0.1 -0.053 1 0.021
0.091 -0.001 0.039 0.029 -0.02 0.001 -0.027 0.013 -0.231 0.021 1

age group 1, sex=F, urban=rural

14

16.59 13.09 0 50.1 0.41 22.23 41.3 0 442.99 0 69.75
31.99 28.06 0 67.54 1.52 29.94 47.47 0 400.64 0 135.17
1 0.858 NA 0.374 0.403 0.285 0.575 NA -0.172 NA 0.728
0.858 1 NA 0.576 0.738 0.373 0.604 NA -0.073 NA 0.606
NA NA NA NA NA NA NA NA NA NA NA
0.374 0.576 NA 1 0.622 0.575 0.708 NA 0.265 NA 0.215
0.403 0.738 NA 0.622 1 0.021 0.451 NA 0.04 NA -0.049
0.285 0.373 NA 0.575 0.021 1 0.358 NA 0.522 NA 0.626
0.575 0.604 NA 0.708 0.451 0.358 1 NA -0.055 NA 0.323
NA NA NA NA NA NA NA NA NA NA NA
-0.172 -0.073 NA 0.265 0.04 0.522 -0.055 NA 1 NA -0.002
NA NA NA NA NA NA NA NA NA NA NA
0.728 0.606 NA 0.215 -0.049 0.626 0.323 NA -0.002 NA 1

age group 2, sex=F, urban=rural

44

75.65 20.68 5.26 93.65 16.42 140.44 36.33 0.21 441.85 10.38 364.86
48.69 30.2 13.82 79.24 24.65 82.01 55.12 1.42 219.58 14.23 238.57
1 0.122 0.11 -0.007 0.179 -0.055 0.164 0.177 -0.003 -0.138 -0.08
0.122 1 -0.095 0.269 0.085 0.13 0.087 -0.106 0.165 -0.399 -0.032
0.11 -0.095 1 0.14 0.036 -0.162 0.258 -0.059 -0.217 0.091 0.017
-0.007 0.269 0.14 1 -0.212 0.222 0.401 -0.129 -0.097 -0.113 -0.114
0.179 0.085 0.036 -0.212 1 -0.204 -0.152 0.198 -0.172 -0.105 -0.022
-0.055 0.13 -0.162 0.222 -0.204 1 -0.101 -0.173 0.168 -0.166 0.007
0.164 0.087 0.258 0.401 -0.152 -0.101 1 0.374 -0.072 -0.043 -0.317
0.177 -0.106 -0.059 -0.129 0.198 -0.173 0.374 1 -0.047 0.09 -0.206
-0.003 0.165 -0.217 -0.097 -0.172 0.168 -0.072 -0.047 1 -0.039 -0.332
-0.138 -0.399 0.091 -0.113 -0.105 -0.166 -0.043 0.09 -0.039 1 -0.036
-0.08 -0.032 0.017 -0.114 -0.022 0.007 -0.317 -0.206 -0.332 -0.036 1

age group 3, sex=F, urban=rural

71

110.38 16.98 17.84 137.8 13.29 181.26 59.65 0.3 510.55 7.63 370.65
71.19 28.4 20.31 90.84 17.84 74.98 77.06 2.26 242.33 14.68 199.51
1 -0.022 0.03 0.389 -0.108 -0.029 0.131 -0.108 -0.157 -0.018 -0.047
-0.022 1 -0.045 0.394 -0.057 0.141 -0.088 -0.002 0.124 -0.048 0.042
0.03 -0.045 1 0.052 -0.028 0.376 0.003 0.108 0.192 -0.059 0.002
0.389 0.394 0.052 1 -0.016 -0.038 0.198 -0.072 0.131 -0.092 -0.033
-0.108 -0.057 -0.028 -0.016 1 -0.039 -0.054 0.199 -0.199 0.143 -0.14
-0.029 0.141 0.376 -0.038 -0.039 1 0.037 -0.045 0.028 0.198 0.032
0.131 -0.088 0.003 0.198 -0.054 0.037 1 -0.092 -0.034 0.023 -0.056
-0.108 -0.002 0.108 -0.072 0.199 -0.045 -0.092 1 0.008 0.017 -0.075
-0.157 0.124 0.192 0.131 -0.199 0.028 -0.034 0.008 1 0.001 -0.217
-0.018 -0.048 -0.059 -0.092 0.143 0.198 0.023 0.017 0.001 1 -0.082
-0.047 0.042 0.002 -0.033 -0.14 0.032 -0.056 -0.075 -0.217 -0.082 1

age group 4, sex=F, urban=rural

79

119.48 23.45 21.91 132.25 12.78 176.79 54.93 0.43 473.12 4.7 441.11
88.51 33.44 31.67 91.24 19.43 85.64 76.23 2.3 263.98 10.69 236.05
1 -0.217 -0.043 0.226 -0.066 0.003 -0.083 0.064 0.246 -0.145 0.022
-0.217 1 -0.041 0.064 0.015 0.036 -0.032 -0.061 -0.135 0.003 -0.187
-0.043 -0.041 1 0.168 -0.067 -0.013 0.158 0.18 0.084 0.023 0.016
0.226 0.064 0.168 1 0.191 0.032 -0.025 0.003 0.22 -0.051 -0.166
-0.066 0.015 -0.067 0.191 1 -0.101 -0.13 0.027 -0.122 -0.044 -0.224
0.003 0.036 -0.013 0.032 -0.101 1 -0.025 -0.112 0.27 0.093 -0.059
-0.083 -0.032 0.158 -0.025 -0.13 -0.025 1 -0.077 0.078 -0.165 -0.02
0.064 -0.061 0.18 0.003 0.027 -0.112 -0.077 1 -0.051 -0.005 -0.197
0.246 -0.135 0.084 0.22 -0.122 0.27 0.078 -0.051 1 0.038 -0.233
-0.145 0.003 0.023 -0.051 -0.044 0.093 -0.165 -0.005 0.038 1 0.073
0.022 -0.187 0.016 -0.166 -0.224 -0.059 -0.02 -0.197 -0.233 0.073 1

age group 5, sex=F, urban=rural

88

128.82 17.34 28.78 129.3 10.62 142.26 42.65 0.62 420.92 12.99 519.41
96 33.8 44.06 103.87 21.55 95.24 77.71 4.15 324.84 32.56 354.44
1 -0.041 0.063 0.255 0.043 0.049 0.11 -0.023 0.256 0.053 0.144
-0.041 1 -0.035 0.154 -0.093 0.1 -0.018 -0.034 -0.164 -0.077 -0.02
0.063 -0.035 1 0.157 0.339 -0.102 0.481 0.012 0.128 -0.05 0.152
0.255 0.154 0.157 1 0.227 -0.013 0.219 -0.043 0.196 -0.117 -0.067
0.043 -0.093 0.339 0.227 1 -0.122 0.364 -0.011 -0.03 0.024 0.089
0.049 0.1 -0.102 -0.013 -0.122 1 -0.121 0.057 0.13 0.066 0.122
0.11 -0.018 0.481 0.219 0.364 -0.121 1 -0.083 0.209 -0.031 -0.173
-0.023 -0.034 0.012 -0.043 -0.011 0.057 -0.083 1 0.049 -0.06 -0.107
0.256 -0.164 0.128 0.196 -0.03 0.13 0.209 0.049 1 -0.169 -0.266
0.053 -0.077 -0.05 -0.117 0.024 0.066 -0.031 -0.06 -0.169 1 0.229
0.144 -0.02 0.152 -0.067 0.089 0.122 -0.173 -0.107 -0.266 0.229 1

age group 6, sex=F, urban=rural

608

126.39 27.34 50.17 140.44 20.37 139.55 48.34 2.32 209.94 16.62 938.95
93.43 48.44 62.65 100.46 27.44 95.14 72.39 13.57 206.97 27.26 508.36
1 -0.142 -0.032 0.095 0.021 0.022 -0.007 -0.039 0.024 -0.07 0.078
-0.142 1 -0.02 0.011 0.025 0.011 0.052 -0.049 -0.008 -0.023 -0.003
-0.032 -0.02 1 0.097 -0.027 0.008 0.214 -0.026 0.035 0.078 0.046
0.095 0.011 0.097 1 0.015 0.05 0.105 0.022 0.104 0.063 -0.057
0.021 0.025 -0.027 0.015 1 0.035 0.035 0.033 -0.052 -0.022 0.041
0.022 0.011 0.008 0.05 0.035 1 0.004 0.017 0.185 -0.007 -0.029
-0.007 0.052 0.214 0.105 0.035 0.004 1 -0.039 0.058 0.072 -0.04
-0.039 -0.049 -0.026 0.022 0.033 0.017 -0.039 1 -0.005 -0.006 0.046
0.024 -0.008 0.035 0.104 -0.052 0.185 0.058 -0.005 1 0.05 -0.235
-0.07 -0.023 0.078 0.063 -0.022 -0.007 0.072 -0.006 0.05 1 0.042
0.078 -0.003 0.046 -0.057 0.041 -0.029 -0.04 0.046 -0.235 0.042 1

age group 1, sex=N, urban=rural

0

age group 2, sex=N, urban=rural

0

age group 3, sex=N, urban=rural

0

age group 4, sex=N, urban=rural

0

age group 5, sex=N, urban=rural

1

93.33 0 6.67 93.6 0 121.69 0 0 214.31 28 1260.76

age group 6, sex=N, urban=rural

8

98.58 24.33 35.97 111.67 39.92 146.42 44.82 16.43 519.88 15.6 1184.79

70.52 36.84 47.09 80.59 41.73 81.48 55.41 41.36 308.95 14.78 1192.9

1 -0.447 0.553 0.05 -0.206 -0.639 -0.263 0.287 -0.15 -0.361 0.031

-0.447 1 -0.433 -0.509 0.232 0.766 0.782 -0.3 -0.026 -0.396 -0.067

0.553 -0.433 1 -0.144 -0.07 -0.577 -0.414 -0.287 -0.708 -0.021 0.425

0.05 -0.509 -0.144 1 -0.317 -0.32 -0.408 -0.158 0.223 0.452 -0.533

-0.206 0.232 -0.07 -0.317 1 0.36 -0.186 0.181 -0.042 -0.36 -0.399

-0.639 0.766 -0.577 -0.32 0.36 1 0.511 -0.195 0.301 -0.463 -0.324

-0.263 0.782 -0.414 -0.408 -0.186 0.511 1 -0.054 0.294 -0.194 0.049

0.287 -0.3 -0.287 -0.158 0.181 -0.195 -0.054 1 0.63 -0.115 -0.07

-0.15 -0.026 -0.708 0.223 -0.042 0.301 0.294 0.63 1 -0.063 -0.488

-0.361 -0.396 -0.021 0.452 -0.36 -0.463 -0.194 -0.115 -0.063 1 0.278

0.031 -0.067 0.425 -0.533 -0.399 -0.324 0.049 -0.07 -0.488 0.278 1

West Results, n, means, std, and covariance matrix if present

age group 1, sex=M, urban=city

10

14.84 14.87 2.13 63.56 4.27 33.09 51.73 0 549.58 0 190.33

28.65 35.43 6.75 77.84 13.49 47.23 52.13 0 432.05 0 405.95

1 0.844 -0.182 0.642 0.863 0.522 0.173 NA 0.151 NA 0.004

0.844 1 0.064 0.615 0.977 0.716 0.096 NA 0.091 NA 0.074

-0.182 0.064 1 -0.253 -0.111 0.711 -0.061 NA 0.367 NA -0.165

0.642 0.615 -0.253 1 0.67 0.335 0.526 NA 0.008 NA 0.631

0.863 0.977 -0.111 0.67 1 0.586 0.026 NA 0.076 NA 0.122

0.522 0.716 0.711 0.335 0.586 1 0.098 NA 0.372 NA 0.002

0.173 0.096 -0.061 0.526 0.026 0.098 1 NA -0.283 NA 0.454

NA NA NA NA NA NA NA NA NA NA

0.151 0.091 0.367 0.008 0.076 0.372 -0.283 NA 1 NA -0.43

NA NA NA NA NA NA NA NA NA NA

0.004 0.074 -0.165 0.631 0.122 0.002 0.454 NA -0.43 NA 1

age group 2, sex=M, urban=city

36

76.7 19.57 10.58 125.61 28.88 160.95 49.61 0 430.62 9.22 361.17

55.8 29.79 22.09 85.17 29.81 91.17 64.98 0 235.1 15.29 240.47

1 -0.066 -0.155 0.19 0.057 -0.031 -0.328 NA 0.093 -0.144 -0.085

-0.066 1 -0.076 -0.298 0.067 -0.212 0.139 NA -0.127 0.101 -0.131

-0.155 -0.076 1 0.002 -0.211 0.188 0.161 NA 0.09 0.026 -0.275

0.19 -0.298 0.002 1 -0.071 0.222 0.234 NA -0.278 -0.189 -0.272

0.057 0.067 -0.211 -0.071 1 0.094 -0.096 NA -0.175 0.073 0.194

-0.031 -0.212 0.188 0.222 0.094 1 0.041 NA -0.177 -0.373 -0.282

-0.328 0.139 0.161 0.234 -0.096 0.041 1 NA -0.114 0.125 -0.028

NA NA NA NA NA NA NA NA NA NA

0.093 -0.127 0.09 -0.278 -0.175 -0.177 -0.114 NA 1 0.017 0.024

-0.144 0.101 0.026 -0.189 0.073 -0.373 0.125 NA 0.017 1 0.133
-0.085 -0.131 -0.275 -0.272 0.194 -0.282 -0.028 NA 0.024 0.133 1

age group 3, sex=M, urban=city

44

141.02 33.01 18.15 80.44 19.23 187.47 52.32 0.14 456.27 13.84 347.93
148.45 61.06 20.76 67.8 24.98 107.76 63.16 0.9 225.43 23.7 219.51
1 -0.243 -0.032 -0.298 -0.185 0.339 -0.248 0.04 -0.272 0.437 -0.368
-0.243 1 0.135 -0.15 0.004 -0.162 0.244 -0.083 -0.048 -0.027 -0.15
-0.032 0.135 1 -0.122 0.161 0.161 0.134 -0.033 0.109 0.187 0.039
-0.298 -0.15 -0.122 1 0.302 0.086 -0.032 0.081 0.032 -0.047 0.051
-0.185 0.004 0.161 0.302 1 0.198 0.211 0.051 0.03 -0.056 0.12
0.339 -0.162 0.161 0.086 0.198 1 0.118 -0.176 0.109 0.344 -0.048
-0.248 0.244 0.134 -0.032 0.211 0.118 1 -0.128 0.213 0.061 0.044
0.04 -0.083 -0.033 0.081 0.051 -0.176 -0.128 1 -0.104 -0.09 0.15
-0.272 -0.048 0.109 0.032 0.03 0.109 0.213 -0.104 1 0.013 -0.039
0.437 -0.027 0.187 -0.047 -0.056 0.344 0.061 -0.09 0.013 1 -0.151
-0.368 -0.15 0.039 0.051 0.12 -0.048 0.044 0.15 -0.039 -0.151 1

age group 4, sex=M, urban=city

39

160.2 23.49 32.94 156.76 28.89 262.87 57.63 2.18 667.21 7.68 484.89
92.15 42.96 35.12 92.51 54.08 147.83 83.31 8.52 418.91 14.94 356.32
1 -0.444 -0.012 -0.375 -0.025 -0.421 0.051 0.294 -0.221 -0.091 -0.149
-0.444 1 -0.035 0.309 0.367 0.553 -0.112 -0.144 0.213 -0.111 0.436
-0.012 -0.035 1 0.29 0.09 -0.009 0.152 0.245 0.433 0.547 -0.133
-0.375 0.309 0.29 1 0.301 0.478 0.006 -0.069 0.32 0.368 0.161
-0.025 0.367 0.09 0.301 1 0.511 -0.038 0.207 0.008 -0.024 0.52
-0.421 0.553 -0.009 0.478 0.511 1 -0.013 -0.039 0.416 -0.171 0.363
0.051 -0.112 0.152 0.006 -0.038 -0.013 1 0.005 -0.009 -0.028 0.048
0.294 -0.144 0.245 -0.069 0.207 -0.039 0.005 1 0.19 -0.135 -0.2
-0.221 0.213 0.433 0.32 0.008 0.416 -0.009 0.19 1 0.029 -0.032
-0.091 -0.111 0.547 0.368 -0.024 -0.171 -0.028 -0.135 0.029 1 -0.077
-0.149 0.436 -0.133 0.161 0.52 0.363 0.048 -0.2 -0.032 -0.077 1

age group 5, sex=M, urban=city

48

246.85 36.03 41.03 198.19 31.1 287.34 46.84 0.92 744.89 19.54 794.65
141.94 48.37 48.61 129.86 40.69 187.9 58.26 4.74 460.59 34 539.37
1 -0.016 0.098 0.351 -0.036 -0.06 -0.292 -0.036 -0.025 -0.149 0.165
-0.016 1 0.425 0.032 0.094 -0.082 -0.017 -0.147 0.014 0.025 0.014
0.098 0.425 1 0.263 0.025 0.124 0.052 -0.088 0 -0.051 -0.203
0.351 0.032 0.263 1 0.183 -0.144 0.088 -0.067 0.151 -0.161 0.082
-0.036 0.094 0.025 0.183 1 0.079 0.264 -0.013 0.068 -0.095 0.06
-0.06 -0.082 0.124 -0.144 0.079 1 0.275 -0.004 0.251 0.004 -0.09
-0.292 -0.017 0.052 0.088 0.264 0.275 1 -0.159 0.182 0.097 -0.097
-0.036 -0.147 -0.088 -0.067 -0.013 -0.004 -0.159 1 -0.11 -0.114 0.095
-0.025 0.014 0 0.151 0.068 0.251 0.182 -0.11 1 -0.01 -0.375
-0.149 0.025 -0.051 -0.161 -0.095 0.004 0.097 -0.114 -0.01 1 0.056
0.165 0.014 -0.203 0.082 0.06 -0.09 -0.097 0.095 -0.375 0.056 1

age group 6, sex=M, urban=city

315

195.24 39.15 57.22 193.98 32.03 193.98 61.75 4.12 308.98 22.46 1156.03
138.53 64.22 68.1 134.84 40.06 154.4 100.12 17.84 320.02 36.18 748.88
1 -0.073 -0.007 0.134 -0.02 -0.031 -0.137 -0.023 0.062 -0.093 -0.015
-0.073 1 0.034 0.028 -0.021 -0.021 0.161 -0.013 -0.096 0.042 0.005
-0.007 0.034 1 0.138 0.035 -0.044 0.098 0.022 -0.073 0.126 0.066
0.134 0.028 0.138 1 0.13 0.083 0.1 -0.011 0.133 0.036 0.015
-0.02 -0.021 0.035 0.13 1 -0.005 0.08 -0.005 0.048 -0.014 0.031
-0.031 -0.021 -0.044 0.083 -0.005 1 -0.009 -0.056 0.276 0.04 -0.068
-0.137 0.161 0.098 0.1 0.08 -0.009 1 0.058 0.014 0.233 -0.101
-0.023 -0.013 0.022 -0.011 -0.005 -0.056 0.058 1 -0.05 -0.015 0.063
0.062 -0.096 -0.073 0.133 0.048 0.276 0.014 -0.05 1 -0.004 -0.186
-0.093 0.042 0.126 0.036 -0.014 0.04 0.233 -0.015 -0.004 1 0.011
-0.015 0.005 0.066 0.015 0.031 -0.068 -0.101 0.063 -0.186 0.011 1

age group 1, sex=F, urban=city

6

2.61 0 0.09 38.8 1.28 67.38 52.2 0 385.39 21.26 81.78
5.62 0 0.23 40.88 3.13 88.41 57.14 0 440.65 52.08 89.08
1 NA 0.993 -0.072 0.993 0.916 -0.293 NA 0.008 -0.227 0.708
NA NA NA NA NA NA NA NA NA NA NA
0.993 NA 1 -0.03 1 0.912 -0.236 NA 0.055 -0.2 0.729
-0.072 NA -0.03 1 -0.03 -0.262 0.908 NA -0.633 0.384 -0.544
0.993 NA 1 -0.03 1 0.912 -0.236 NA 0.055 -0.2 0.729
0.916 NA 0.912 -0.262 0.912 1 -0.49 NA 0.129 -0.3 0.863
-0.293 NA -0.236 0.908 -0.236 -0.49 1 NA -0.491 0.646 -0.654
NA NA NA NA NA NA NA NA NA NA NA
0.008 NA 0.055 -0.633 0.055 0.129 -0.491 NA 1 -0.428 0.608
-0.227 NA -0.2 0.384 -0.2 -0.3 0.646 NA -0.428 1 -0.45
0.708 NA 0.729 -0.544 0.729 0.863 -0.654 NA 0.608 -0.45 1

age group 2, sex=F, urban=city

38

68.15 16.66 7.83 79.25 26.63 122.89 54.2 0 335.06 17.01 341.88
58.43 33.57 12.87 57.15 28.44 78.53 75.25 0 252.78 19.51 227.02
1 -0.292 0.128 -0.167 -0.056 0.444 0.651 NA -0.031 0.435 -0.393
-0.292 1 0.01 -0.172 -0.18 -0.217 0.056 NA 0.04 -0.108 -0.182
0.128 0.01 1 -0.012 -0.148 0.183 0.152 NA -0.069 0.208 -0.127
-0.167 -0.172 -0.012 1 0.394 -0.098 -0.265 NA 0.245 0.156 0.271
-0.056 -0.18 -0.148 0.394 1 -0.193 -0.211 NA 0.054 0.272 0.318
0.444 -0.217 0.183 -0.098 -0.193 1 0.426 NA -0.029 0.071 -0.044
0.651 0.056 0.152 -0.265 -0.211 0.426 1 NA -0.091 0.211 -0.314
NA NA NA NA NA NA NA NA NA NA NA
-0.031 0.04 -0.069 0.245 0.054 -0.029 -0.091 NA 1 0.163 0.035
0.435 -0.108 0.208 0.156 0.272 0.071 0.211 NA 0.163 1 -0.129
-0.393 -0.182 -0.127 0.271 0.318 -0.044 -0.314 NA 0.035 -0.129 1

age group 3, sex=F, urban=city

36

113.21 28.26 23.42 138.82 15.15 210.52 42.47 0.44 456.86 14.55 361.23
116.21 44.27 37.56 98.99 23.53 105.05 78.12 2.02 260.45 20 175.37
1 -0.078 0.133 -0.17 -0.029 0.443 0.085 -0.028 -0.119 0.564 -0.353
-0.078 1 0.048 -0.067 0.104 -0.178 0.278 0.475 -0.283 -0.115 -0.275
0.133 0.048 1 0.276 0.398 0.53 0.237 0.129 0.424 0.172 -0.159
-0.17 -0.067 0.276 1 0.223 0.164 0.388 -0.252 0.18 0.058 0.309
-0.029 0.104 0.398 0.223 1 0.073 -0.02 -0.056 0.029 -0.137 -0.111
0.443 -0.178 0.53 0.164 0.073 1 0.2 -0.153 0.366 0.281 -0.249
0.085 0.278 0.237 0.388 -0.02 0.2 1 -0.019 0.117 0.132 0.036
-0.028 0.475 0.129 -0.252 -0.056 -0.153 -0.019 1 -0.193 -0.154 -0.226
-0.119 -0.283 0.424 0.18 0.029 0.366 0.117 -0.193 1 -0.025 -0.116
0.564 -0.115 0.172 0.058 -0.137 0.281 0.132 -0.154 -0.025 1 -0.081
-0.353 -0.275 -0.159 0.309 -0.111 -0.249 0.036 -0.226 -0.116 -0.081 1

age group 4, sex=F, urban=city

49

116.6 19.88 36.5 129.2 25.34 221.18 58.58 0.73 553.97 15.29 522.52
72.87 34.48 55.2 91.68 41.13 141.56 83.22 3.72 312.89 27.96 269.05
1 0.125 0.341 0.348 0.38 0.006 0.03 0.12 0.028 0.121 0.255
0.125 1 0.044 -0.117 0.14 0.016 -0.051 -0.116 -0.145 0.019 -0.016
0.341 0.044 1 0.32 0.488 0.395 0.137 0.125 0.25 0.447 0.05
0.348 -0.117 0.32 1 0.263 0.138 0.133 0.069 0.176 0.192 0.064
0.38 0.14 0.488 0.263 1 0.13 0.184 0.16 0.173 0.188 0.044
0.006 0.016 0.395 0.138 0.13 1 -0.2 0.021 0.174 0.255 0.059
0.03 -0.051 0.137 0.133 0.184 -0.2 1 0.182 0.351 0.062 -0.152
0.12 -0.116 0.125 0.069 0.16 0.021 0.182 1 0.32 -0.087 0.083
0.028 -0.145 0.25 0.176 0.173 0.174 0.351 0.32 1 0.031 -0.402
0.121 0.019 0.447 0.192 0.188 0.255 0.062 -0.087 0.031 1 -0.005
0.255 -0.016 0.05 0.064 0.044 0.059 -0.152 0.083 -0.402 -0.005 1

age group 5, sex=F, urban=city

45

120.02 42.07 43.19 124.4 27.75 208.91 38.81 2.7 394.84 15.97 653.3
69.01 50.55 55.74 89.53 35.87 160.9 70.48 10.75 304.03 23.24 362.79
1 -0.249 0.214 0.294 0.068 0.02 0.263 -0.22 0.044 -0.13 -0.136
-0.249 1 -0.058 -0.059 0.041 -0.035 -0.053 -0.087 -0.12 0.244 0.129
0.214 -0.058 1 0.077 -0.036 0.022 0.231 -0.091 0.315 0.165 -0.093
0.294 -0.059 0.077 1 -0.061 0.053 0.102 -0.05 0.117 -0.329 0.047
0.068 0.041 -0.036 -0.061 1 0.281 0.111 -0.022 -0.006 0.232 0.176
0.02 -0.035 0.022 0.053 0.281 1 -0.024 -0.047 0.284 -0.099 0.059
0.263 -0.053 0.231 0.102 0.111 -0.024 1 -0.118 0.39 -0.095 -0.002
-0.22 -0.087 -0.091 -0.05 -0.022 -0.047 -0.118 1 -0.089 -0.147 -0.049
0.044 -0.12 0.315 0.117 -0.006 0.284 0.39 -0.089 1 -0.363 -0.202
-0.13 0.244 0.165 -0.329 0.232 -0.099 -0.095 -0.147 -0.363 1 0.306
-0.136 0.129 -0.093 0.047 0.176 0.059 -0.002 -0.049 -0.202 0.306 1

age group 6, sex=F, urban=city

386

114.28 30.29 56.37 132 26.92 134.36 56.2 5.13 221.99 19.49 918.16
88.88 53.81 60.2 98.31 36.48 113.66 94.92 26.37 230.01 30.59 563.58
1 -0.116 -0.046 0.149 0.101 0.043 -0.051 0.015 0.035 -0.022 -0.019
-0.116 1 -0.037 0.037 0.074 -0.096 -0.054 0.163 -0.132 -0.124 0.009
-0.046 -0.037 1 0.109 -0.002 -0.027 0.099 0.136 0.01 0.081 0.078
0.149 0.037 0.109 1 0.005 0.028 0.25 0.014 0.096 0.012 0.033
0.101 0.074 -0.002 0.005 1 -0.081 -0.015 0.01 -0.091 -0.062 0.111
0.043 -0.096 -0.027 0.028 -0.081 1 0.077 -0.1 0.089 0.034 0.047
-0.051 -0.054 0.099 0.25 -0.015 0.077 1 0.014 0.084 0.238 0.023
0.015 0.163 0.136 0.014 0.01 -0.1 0.014 1 -0.112 -0.025 0.051
0.035 -0.132 0.01 0.096 -0.091 0.089 0.084 -0.112 1 0.108 -0.253
-0.022 -0.124 0.081 0.012 -0.062 0.034 0.238 -0.025 0.108 1 -0.027
-0.019 0.009 0.078 0.033 0.111 0.047 0.023 0.051 -0.253 -0.027 1

age group 1, sex=N, urban=city

0

age group 2, sex=N, urban=city

0

age group 3, sex=N, urban=city

0

age group 4, sex=N, urban=city

0

age group 5, sex=N, urban=city

0

age group 6, sex=N, urban=city

6

255.71 22.06 30.44 124.11 46 246.71 28.32 0 435.47 35.82 731.19
238.75 34.7 24.12 79.34 53.48 136 69.37 0 256.26 26.36 647.7
1 -0.297 0.083 -0.836 -0.333 0.744 -0.099 NA -0.087 0.66 -0.55
-0.297 1 0.745 0.648 0.241 -0.336 0.757 NA 0.456 -0.072 0.956
0.083 0.745 1 0.203 0.601 0.177 0.915 NA 0.685 0.31 0.608
-0.836 0.648 0.203 1 0.229 -0.582 0.465 NA 0.159 -0.292 0.83
-0.333 0.241 0.601 0.229 1 -0.095 0.586 NA 0.364 0.022 0.259
0.744 -0.336 0.177 -0.582 -0.095 1 0.17 NA 0.303 0.801 -0.472
-0.099 0.757 0.915 0.465 0.586 0.17 1 NA 0.612 0.418 0.695
NA NA NA NA NA NA NA NA NA NA NA
-0.087 0.456 0.685 0.159 0.364 0.303 0.612 NA 1 0.006 0.441
0.66 -0.072 0.31 -0.292 0.022 0.801 0.418 NA 0.006 1 -0.225
-0.55 0.956 0.608 0.83 0.259 -0.472 0.695 NA 0.441 -0.225 1

age group 1, sex=M, urban=rural

0

age group 2, sex=M, urban=rural

12

67.78 7.59 4.7 71.69 16.11 187.5 13.08 0 311.43 10.59 356.51
51.56 9.21 9.94 32.17 26.3 132.1 24.27 0 146.11 18.02 288.81
1 -0.379 0.036 0.085 0.38 -0.396 0.346 NA -0.355 -0.363 -0.44
-0.379 1 -0.354 -0.178 0.046 0.375 -0.138 NA -0.231 0.679 0.435
0.036 -0.354 1 -0.083 0.096 -0.259 -0.216 NA -0.078 -0.155 -0.093
0.085 -0.178 -0.083 1 0.031 0.211 -0.117 NA 0.247 -0.216 -0.57
0.38 0.046 0.096 0.031 1 -0.252 -0.273 NA -0.331 0.083 -0.242
-0.396 0.375 -0.259 0.211 -0.252 1 -0.261 NA 0.234 -0.11 -0.127
0.346 -0.138 -0.216 -0.117 -0.273 -0.261 1 NA 0.118 -0.099 0.082
NA NA NA NA NA NA NA NA NA NA NA
-0.355 -0.231 -0.078 0.247 -0.331 0.234 0.118 NA 1 -0.347 -0.304
-0.363 0.679 -0.155 -0.216 0.083 -0.11 -0.099 NA -0.347 1 0.807
-0.44 0.435 -0.093 -0.57 -0.242 -0.127 0.082 NA -0.304 0.807 1

age group 3, sex=M, urban=rural

11

103.14 11.76 26.68 127.23 30.4 166.03 65.15 0 552.79 16.53 458
58.93 38.99 38.01 45.58 26.62 30.47 69.92 0 230.71 19.02 230.79
1 -0.003 0.119 -0.579 -0.275 0.678 0.446 NA -0.61 -0.157 0.27
-0.003 1 -0.058 0.266 0.191 0.558 -0.135 NA -0.059 0.037 0.051
0.119 -0.058 1 -0.154 0.223 0.021 0.45 NA -0.708 0.566 -0.386
-0.579 0.266 -0.154 1 0.705 -0.342 -0.437 NA 0.593 0.12 -0.033
-0.275 0.191 0.223 0.705 1 -0.106 -0.362 NA 0.145 0.286 -0.064
0.678 0.558 0.021 -0.342 -0.106 1 -0.02 NA -0.39 -0.334 0.482
0.446 -0.135 0.45 -0.437 -0.362 -0.02 1 NA -0.624 0.41 -0.678
NA NA NA NA NA NA NA NA NA NA NA
-0.61 -0.059 -0.708 0.593 0.145 -0.39 -0.624 NA 1 -0.531 0.249
-0.157 0.037 0.566 0.12 0.286 -0.334 0.41 NA -0.531 1 -0.678
0.27 0.051 -0.386 -0.033 -0.064 0.482 -0.678 NA 0.249 -0.678 1

age group 4, sex=M, urban=rural

17

172 37.59 17.82 138.81 11.53 238.95 43.53 0 560.86 20.99 524.61
96.73 50.78 21.86 145.89 15.18 154.06 45.17 0 226.86 38.14 275.7
1 0.182 0.034 0.173 0.123 -0.07 -0.124 NA -0.162 -0.465 -0.284
0.182 1 0.155 0.239 0.084 0.099 -0.198 NA 0.293 0.033 -0.145
0.034 0.155 1 0.207 0.282 0.691 0.066 NA 0.414 0.378 -0.096
0.173 0.239 0.207 1 0.554 0.167 0.261 NA 0.02 -0.206 -0.507
0.123 0.084 0.282 0.554 1 0.315 0.217 NA 0.174 0.16 -0.296
-0.07 0.099 0.691 0.167 0.315 1 -0.2 NA 0.329 0.748 0.393
-0.124 -0.198 0.066 0.261 0.217 -0.2 1 NA 0.23 -0.076 -0.563
NA NA NA NA NA NA NA NA NA NA NA
-0.162 0.293 0.414 0.02 0.174 0.329 0.23 NA 1 0.34 -0.205
-0.465 0.033 0.378 -0.206 0.16 0.748 -0.076 NA 0.34 1 0.517
-0.284 -0.145 -0.096 -0.507 -0.296 0.393 -0.563 NA -0.205 0.517 1

age group 5, sex=M, urban=rural

17

245.57 73.74 32.96 155.58 32.23 235.56 7.23 6.11 400.94 8.4 727.61
140.44 91 51.3 110.77 61.22 166.87 19.42 19.18 464.52 9.21 286.79
1 -0.133 0.133 0.369 0.472 0.147 0.018 0.18 0.192 0.073 0.32
-0.133 1 -0.286 0.199 -0.009 0.311 -0.242 0.397 -0.409 -0.033 -0.201
0.133 -0.286 1 0.165 -0.061 0.463 -0.155 -0.153 0.283 0.471 0.115
0.369 0.199 0.165 1 0.505 0.331 -0.306 0.324 -0.08 0.037 0.554
0.472 -0.009 -0.061 0.505 1 0.255 -0.065 0.139 -0.007 -0.194 0.35
0.147 0.311 0.463 0.331 0.255 1 -0.248 0.333 -0.113 0.074 0.004
0.018 -0.242 -0.155 -0.306 -0.065 -0.248 1 -0.126 -0.079 -0.1 0.068
0.18 0.397 -0.153 0.324 0.139 0.333 -0.126 1 -0.246 -0.309 0.156
0.192 -0.409 0.283 -0.08 -0.007 -0.113 -0.079 -0.246 1 0.172 -0.068
0.073 -0.033 0.471 0.037 -0.194 0.074 -0.1 -0.309 0.172 1 0.235
0.32 -0.201 0.115 0.554 0.35 0.004 0.068 0.156 -0.068 0.235 1

age group 6, sex=M, urban=rural

90

213.7 32.13 48.07 183.8 36.18 229.93 44.29 1.19 300.14 13.69 1129.65
132.77 52.2 51.99 144.09 37.71 159.42 68.43 8.13 265.5 23.43 672.22
1 0.023 0.024 0.084 0.132 -0.145 -0.038 -0.1 0.016 -0.081 0.053
0.023 1 -0.013 0.004 -0.139 0.057 -0.055 -0.078 -0.043 0.031 0.011
0.024 -0.013 1 0.051 -0.028 0.212 -0.068 -0.002 0.132 0.171 -0.102
0.084 0.004 0.051 1 -0.207 -0.082 -0.03 -0.099 -0.099 -0.016 0.113
0.132 -0.139 -0.028 -0.207 1 0.039 -0.143 0.049 -0.048 -0.269 0.012
-0.145 0.057 0.212 -0.082 0.039 1 0.026 0.002 0.304 0.079 -0.023
-0.038 -0.055 -0.068 -0.03 -0.143 0.026 1 0.105 -0.067 0.125 -0.053
-0.1 -0.078 -0.002 -0.099 0.049 0.002 0.105 1 0.004 0.143 0.013
0.016 -0.043 0.132 -0.099 -0.048 0.304 -0.067 0.004 1 -0.114 -0.283
-0.081 0.031 0.171 -0.016 -0.269 0.079 0.125 0.143 -0.114 1 0.043
0.053 0.011 -0.102 0.113 0.012 -0.023 -0.053 0.013 -0.283 0.043 1

age group 1, sex=F, urban=rural

2

54.34 33.08 0 36.27 0 28.34 45.64 0 259.25 0 218.95
76.85 46.78 0 24.56 0 11.79 55.74 0 366.63 0 309.63
1 1 NA -1 NA 1 1 NA -1 NA 1
1 1 NA -1 NA 1 1 NA -1 NA 1
NA NA NA NA NA NA NA NA NA NA NA
-1 -1 NA 1 NA -1 -1 NA 1 NA -1
NA NA NA NA NA NA NA NA NA NA NA
1 1 NA -1 NA 1 1 NA -1 NA 1
1 1 NA -1 NA 1 1 NA -1 NA 1
NA NA NA NA NA NA NA NA NA NA NA
-1 -1 NA 1 NA -1 -1 NA 1 NA -1
NA NA NA NA NA NA NA NA NA NA NA
1 1 NA -1 NA 1 1 NA -1 NA 1

age group 2, sex=F, urban=rural

9

88.95 33.34 5.16 130.91 32.3 125.51 36.63 0 414.25 16.47 350.02
76.16 34.54 13.31 147.02 29.62 72.94 72.93 0 204.05 19.57 239.32
1 0.194 -0.149 -0.102 0.682 0.08 -0.213 NA -0.208 -0.607 -0.035
0.194 1 -0.016 0.537 0.224 0.878 0.28 NA 0.407 -0.687 -0.112
-0.149 -0.016 1 -0.037 0.451 -0.059 -0.219 NA -0.006 0.297 -0.234
-0.102 0.537 -0.037 1 -0.346 0.66 0.896 NA -0.098 -0.34 -0.609
0.682 0.224 0.451 -0.346 1 -0.035 -0.526 NA -0.079 -0.431 0.182
0.08 0.878 -0.059 0.66 -0.035 1 0.418 NA 0.371 -0.513 -0.12
-0.213 0.28 -0.219 0.896 -0.526 0.418 1 NA -0.195 -0.254 -0.472
NA NA NA NA NA NA NA NA NA NA NA
-0.208 0.407 -0.006 -0.098 -0.079 0.371 -0.195 NA 1 0.203 0.017
-0.607 -0.687 0.297 -0.34 -0.431 -0.513 -0.254 NA 0.203 1 -0.146
-0.035 -0.112 -0.234 -0.609 0.182 -0.12 -0.472 NA 0.017 -0.146 1

age group 3, sex=F, urban=rural

15

94.74 14.29 19.93 133.54 17.11 205.71 64.48 0 527.48 11.01 304.28
63.82 30.35 21.55 130.67 17.14 90.89 65.17 0 161.66 12.72 231.55
1 0.612 0.165 0.683 0.147 0.322 0.275 NA 0.149 -0.027 -0.187
0.612 1 0.228 0.874 0.38 0.5 -0.087 NA 0.194 -0.054 -0.02
0.165 0.228 1 0.118 0.043 0.779 -0.163 NA 0.163 -0.035 0.114
0.683 0.874 0.118 1 0.281 0.389 0.069 NA 0.089 -0.331 -0.198
0.147 0.38 0.043 0.281 1 0.269 -0.002 NA -0.357 -0.199 -0.233
0.322 0.5 0.779 0.389 0.269 1 -0.069 NA -0.017 -0.045 0.015
0.275 -0.087 -0.163 0.069 -0.002 -0.069 1 NA -0.32 -0.07 -0.347
NA NA NA NA NA NA NA NA NA NA NA
0.149 0.194 0.163 0.089 -0.357 -0.017 -0.32 NA 1 0.342 0.006
-0.027 -0.054 -0.035 -0.331 -0.199 -0.045 -0.07 NA 0.342 1 -0.057
-0.187 -0.02 0.114 -0.198 -0.233 0.015 -0.347 NA 0.006 -0.057 1

age group 4, sex=F, urban=rural

14

110.67 35.78 22.06 152.93 11.19 201.99 38.39 0 425.27 5.18 427.15
88.62 39.99 28.91 139.34 16.67 75.87 55.14 0 234.28 11.29 190.7
1 -0.169 0.101 0.545 0.154 -0.148 -0.081 NA 0.598 -0.178 0.287
-0.169 1 -0.304 0.266 0.208 0.379 0.096 NA -0.074 0.302 -0.561
0.101 -0.304 1 0.36 0.189 0.152 0.411 NA 0.494 0.144 -0.18
0.545 0.266 0.36 1 0.457 0.23 0.226 NA 0.459 0.141 -0.35
0.154 0.208 0.189 0.457 1 -0.048 -0.054 NA -0.124 0.235 -0.355
-0.148 0.379 0.152 0.23 -0.048 1 0.037 NA 0.122 -0.139 -0.537
-0.081 0.096 0.411 0.226 -0.054 0.037 1 NA 0.331 0.101 -0.189
NA NA NA NA NA NA NA NA NA NA NA
0.598 -0.074 0.494 0.459 -0.124 0.122 0.331 NA 1 0.086 0.018
-0.178 0.302 0.144 0.141 0.235 -0.139 0.101 NA 0.086 1 -0.34
0.287 -0.561 -0.18 -0.35 -0.355 -0.537 -0.189 NA 0.018 -0.34 1

age group 5, sex=F, urban=rural

14

121.17 12.83 18.31 119.27 10.77 143.45 25.02 0 381.45 10.55 591.02
90.02 40.54 22.66 96.22 19.12 140.15 40.9 0 350.3 18.22 407.66
1 0.776 0.116 0.517 -0.037 -0.173 -0.437 NA -0.226 -0.09 0.266
0.776 1 0.223 0.32 -0.132 0.094 -0.148 NA -0.301 -0.197 0.127
0.116 0.223 1 0.058 -0.034 0.615 0.705 NA 0.245 0.447 0.128
0.517 0.32 0.058 1 0.358 -0.037 -0.162 NA 0.381 -0.273 -0.187
-0.037 -0.132 -0.034 0.358 1 0.036 -0.085 NA 0.239 0.208 0.107
-0.173 0.094 0.615 -0.037 0.036 1 0.414 NA 0.154 0.17 0.159
-0.437 -0.148 0.705 -0.162 -0.085 0.414 1 NA 0.396 0.263 -0.261
NA NA NA NA NA NA NA NA NA NA NA
-0.226 -0.301 0.245 0.381 0.239 0.154 0.396 NA 1 -0.183 -0.411
-0.09 -0.197 0.447 -0.273 0.208 0.17 0.263 NA -0.183 1 0.375
0.266 0.127 0.128 -0.187 0.107 0.159 -0.261 NA -0.411 0.375 1

age group 6, sex=F, urban=rural

110

119.57 24.04 54.88 127.98 24.68 137.15 52.69 1.65 190.5 14.47 922.18
100.1 37.77 60.51 88.82 32.35 114.31 88.71 13.26 180.36 20.8 549.34
1 0.037 -0.058 0.016 0.106 -0.121 -0.096 0.166 0.087 -0.138 -0.051
0.037 1 -0.033 0.036 -0.055 0.044 -0.105 -0.015 -0.035 0.038 -0.108
-0.058 -0.033 1 -0.069 -0.036 0.124 0.152 0.016 -0.123 0.047 0.146
0.016 0.036 -0.069 1 -0.096 0.071 0.198 0.011 0.159 0.122 -0.06
0.106 -0.055 -0.036 -0.096 1 0.169 0.18 -0.046 -0.157 -0.145 0.231
-0.121 0.044 0.124 0.071 0.169 1 -0.002 -0.057 -0.016 -0.026 -0.064
-0.096 -0.105 0.152 0.198 0.18 -0.002 1 -0.003 0.018 0 0.124
0.166 -0.015 0.016 0.011 -0.046 -0.057 -0.003 1 0.034 0.053 0.055
0.087 -0.035 -0.123 0.159 -0.157 -0.016 0.018 0.034 1 -0.062 -0.259
-0.138 0.038 0.047 0.122 -0.145 -0.026 0 0.053 -0.062 1 0.105
-0.051 -0.108 0.146 -0.06 0.231 -0.064 0.124 0.055 -0.259 0.105 1

age group 1, sex=N, urban=rural

0

age group 2, sex=N, urban=rural

0

age group 3, sex=N, urban=rural

0

age group 4, sex=N, urban=rural

0

age group 5, sex=N, urban=rural

0

age group 6, sex=N, urban=rural

0

APPENDIX B

FOOD CONSUMPTION DISTRIBUTION ESTIMATES FOR 1945 AND 1965

APPENDIX B

FOOD CONSUMPTION DISTRIBUTION ESTIMATES FOR 1945 AND 1965

This appendix contains all of the information on food consumption distributions that was generated for Phase I of the HEDR project. The information is organized by season and year. For example, Fall 1945 refers to the food consumption distributions that were projected back for the year 1945. There are four seasons in all and two yearly projections (1945 and 1965).

Twenty six blocks of information are presented under each season and year. These blocks, labeled m1 through m26, contain information about food consumption distributions for different age, sex, and urbanization categories. The translation is

<u>Block</u>	<u>Age Group</u>	<u>Sex</u>	<u>Urbanization</u>
1	0-1	M	Urban
2	1-5	"	"
3	5-10	"	"
4	10-15	"	"
5	15-20	"	"
6	>20	"	"
7	Same age	F	"
.	groups as	"	"
.	blocks 1-6	"	"
12		"	"
13	>20	Nursing Mother	Urban
14	Repeats same age		Rural
.	and sex groups	"	
.	as blocks 1-13	"	
26			"

Directly below the block identifier, there is a scalar. This is the number of cases associated with the age, sex, and urbanization category for which food consumption information is provided in the block. Directly below

the scalar, there is a 13 by 11 matrix. This matrix is composed of the following food consumption information for the block category:

- Row 1: a 1 by 11 vector of mean daily food consumption in grams/day
- Row 2: a 1 by 11 vector of standard deviations of daily food consumption
- Rows 3 - 13: an 11 by 11 variance-covariance matrix associated with the joint distribution of food consumption for the eleven foods.

The columns in the matrix contain information about food categories. The column order of the food categories is 1) beef/meat, 2) poultry, 3) leafy green vegetable, 4) other vegetable, 5) eggs, 6) grains, 7) local fruit, 8) shell fish, 9) milk, 10) stored milk, and 11) Columbia River fish.

B.1 WINTER 1945

m1

34

```
21.92 9.082 1.724 175 7.127 92.95 90.57 0 955.7 0.6822 6.956
40.14 14.17 10.07 203.6 24.83 144.8 129.5 0 730.9 3.321 5.826
1611 271.9 -38.79 -457.7 -40.86 145.3 961.5 0 6249 -8.531 0
271.9 200.9 15.27 718.7 63.35 192.9 444.1 0 2517 -0.706 0
-38.79 15.27 101.4 -102.5 15.5 -138.5 -161.6 0 706.4 -1.204 0
-457.7 718.7 -102.5 41470 1755 12710 7963 0 -27540 314.5 0
-40.86 63.35 15.5 1755 616.6 2125 -93.24 0 1343 6.185 0
145.3 192.9 -138.5 12710 2125 20970 693.7 0 21170 -16.35 0
961.5 444.1 -161.6 7963 -93.24 693.7 16770 0 13630 -38.27 0
0 0 0 0 0 0 0 0 0 0 0
6249 2517 706.4 -27540 1343 21170 13630 0 5.342E+005 -446.6 0
-8.531 -0.706 -1.204 314.5 6.185 -16.35 -38.27 0 -446.6 11.03 0
0 0 0 0 0 0 0 0 0 0 33.94
```

m2

171

```
61.75 8.904 11.9 149.4 26.81 239.6 63.68 0 728.6 2.974 6.956
45.65 12.39 22.65 137.9 35.9 156.9 99.91 0 418.1 6.042 5.826
2084 -3.96 104.4 459.4 147.5 1310 -59.29 0 362.6 -24.82 0
-3.96 153.6 -5.334 88.87 71.64 -235.3 105.3 0 -134.7 -1.423 0
104.4 -5.334 513.1 43.73 88.64 -131.5 43 0 -672.5 -0.5474 0
459.4 88.87 43.73 19010 -108.9 1947 385.7 0 9743 0 0
147.5 71.64 88.64 -108.9 1289 -568.8 111.2 0 -1141 -2.386 0
1310 -235.3 -131.5 1947 -568.8 24610 313.5 0 -787.2 -45.5 0
-59.29 105.3 43 385.7 111.2 313.5 9982 0 -292.4 272.2 0
0 0 0 0 0 0 0 0 0 0 0
362.6 -134.7 -672.5 9743 -1141 -787.2 -292.4 0 1.748E+005 50.53 0
-24.82 -1.423 -0.5474 0 -2.386 -45.5 272.2 0 50.53 36.5 0
0 0 0 0 0 0 0 0 0 0 33.94
```

m3

209

```
92.21 10.58 30.67 203.7 22.47 329.9 87.73 0.4359 941.6 3.427 6.956
53.3 15.09 43.08 130.3 32.35 169.5 108.6 2.65 471.5 6.638 5.826
2840 -26.55 417.9 1521 120.7 1463 -393.7 -1.977 5252 -0.7076 0
-26.55 227.8 -40.32 45.25 47.37 -271.2 101.7 -0.68 -227.8 -10.12 0
417.9 -40.32 1856 320 243.9 1541 608.4 4.567 1422 11.73 0
1521 45.25 320 16990 282.5 2209 2534 15.2 13150 56.24 0
120.7 47.37 243.9 282.5 1047 120.6 629.1 6.001 1464 1.718 0
1463 -271.2 1541 2209 120.6 28720 1086 44.91 16460 51.75 0
-393.7 101.7 608.4 2534 629.1 1086 11800 68.51 5378 60.57 0
-1.977 -0.68 4.567 15.2 6.001 44.91 68.51 7.022 -143.7 -1.442 0
5252 -227.8 1422 13150 1464 16460 5378 -143.7 2.223E+005 -9.39 0
-0.7076 -10.12 11.73 56.24 1.718 51.75 60.57 -1.442 -9.39 44.06 0
0 0 0 0 0 0 0 0 0 0 33.94
```

m4

194

```
116.8 12.83 51.52 246.3 22.47 378 81.15 0.2422 1056 4.04 6.956
66.51 18.2 68.93 161.1 36.64 203.9 110.4 2.207 589.1 7.141 5.826
4424 -300.2 1082 1254 31.68 -81.38 -770.7 0.1468 -1881 -59.37 0
-300.2 331.3 97.86 255.1 70.03 55.67 405.8 -1.286 793.4 15.21 0
1082 97.86 4752 1399 174.3 2600 395.6 10.95 6010 0 0
1254 255.1 1399 25960 295.2 -1741 88.91 -12.09 28760 111.6 0
31.68 70.03 174.3 295.2 1343 -1151 -64.7 0.3235 431.7 10.2 0
-81.38 55.67 2600 -1741 -1151 41580 1530 -22.95 29310 141.2 0
-770.7 405.8 395.6 88.91 -64.7 1530 12180 1.218 10210 20.49 0
0.1468 -1.286 10.95 -12.09 0.3235 -22.95 1.218 4.872 -107.9 -0.7407 0
-1881 793.4 6010 28760 431.7 29310 10210 -107.9 3.47E+005 168.3 0
-59.37 15.21 0 111.6 10.2 141.2 20.49 -0.7407 168.3 50.99 0
0 0 0 0 0 0 0 0 0 0 33.94
```

m5

212

```
164.8 15.28 55.2 268.9 34.79 376.2 70.37 1.391 1019 4.559 6.956
108 21.89 65.67 186.3 50.83 216.3 104.2 9.652 650.9 7.092 5.826
11670 -439.9 106.4 3905 -186.7 654.1 -1452 -164.7 9000 -0.7661 0
-439.9 479.3 -17.25 85.66 -67.88 108.9 171 34.66 -484.5 -0.4658 0
106.4 -17.25 4313 1419 253.7 -28.4 643 -32.33 4574 49.36 0
3905 85.66 1419 34710 700.7 684.9 892.7 122.3 15890 112.3 0
-186.7 -67.88 253.7 700.7 2583 -835.4 -397.1 -23.55 -5028 20.18 0
654.1 108.9 -28.4 684.9 -835.4 46770 -540.6 -18.79 40260 -9.202 0
-1452 171 643 892.7 -397.1 -540.6 10850 -56.3 14640 61.31 0
-164.7 34.66 -32.33 122.3 -23.55 -18.79 -56.3 93.16 -433.5 -6.023 0
9000 -484.5 4574 15890 -5028 40260 14640 -433.5 4.236E+005 447.7 0
-0.7661 -0.4658 49.36 112.3 20.18 -9.202 61.31 -6.023 447.7 50.29 0
0 0 0 0 0 0 0 0 0 0 33.94
```

m6

777

```
173.7 17.09 70.24 281 49.38 312.7 77.28 2.311 455.5 7.676 6.956
118 26.59 87.42 197.3 59.76 206.4 126.7 12.17 466 13.17 5.826
13920 -593 -144.4 2235 472.4 194.9 -1285 -112 7093 -43.5 0
-593 707.1 102.3 257.1 77.87 -527 266.1 15.86 -570 13.65 0
-144.4 102.3 7642 1121 -261.2 0 1495 10.64 692.6 51.79 0
2235 257.1 1121 38920 1085 1955 949.6 93.64 10850 129.9 0
472.4 77.87 -261.2 1085 3572 653.9 -249.8 -4.364 1560 45.64 0
194.9 -527 0 1955 653.9 42620 1569 -108 15200 119.6 0
-1285 266.1 1495 949.6 -249.8 1569 16040 -21.58 2361 155.1 0
-112 15.86 10.64 93.64 -4.364 -108 -21.58 148.1 -521.8 2.564 0
7093 -570 692.6 10850 1560 15200 2361 -521.8 2.172E+005 300.7 0
-43.5 13.65 51.79 129.9 45.64 119.6 155.1 2.564 300.7 173.3 0
0 0 0 0 0 0 0 0 0 0 33.94
```

m7

48

```
22.24 8.198 6.712 160.8 8.459 74.66 134.1 0 972 1.23 6.956
30.59 13.56 16.41 148.1 18.6 93.42 143.4 0 528.1 5.229 5.826
935.8 129 47.18 1173 79.67 214.3 43.87 0 1745 -12.8 0
129 183.9 -5.339 590.4 -28 221.7 560 0 1948 -6.594 0
47.18 -5.339 269.2 473.8 70.8 441.4 331.7 0 -658.4 21.02 0
1173 590.4 473.8 21930 427 1923 12810 0 4770 72.01 0
79.67 -28 70.8 427 346.1 408.4 773.6 0 -1768 -10.02 0
214.3 221.7 441.4 1923 408.4 8727 5426 0 986.7 70.34 0
43.87 560 331.7 12810 773.6 5426 20560 0 -8103 34.49 0
0 0 0 0 0 0 0 0 0 0 0
1745 1948 -658.4 4770 -1768 986.7 -8103 0 2.789E+005 -171.2 0
-12.8 -6.594 21.02 72.01 -10.02 70.34 34.49 0 -171.2 27.34 0
0 0 0 0 0 0 0 0 0 0 33.94
```

m8

143

```
60.82 9.756 13.66 142.5 25.88 213.7 85.21 0.04151 780.8 3.444 6.956
39.73 13.38 20.46 109.2 31.55 122.4 111 0.3252 409.9 6.111 5.826
1579 -31.89 40.65 486 -132.9 267.5 150 -1.253 3111 -26.23 0
-31.89 179 9.58 94.95 35.03 -137.6 74.25 0.2828 43.87 -13.08 0
40.65 9.58 418.6 37.98 10.33 -137.8 320.3 -0.2528 -972.9 -1.25 0
486 94.95 37.98 11930 413.5 574.9 860.7 3.977 4611 46.05 0
-132.9 35.03 10.33 413.5 995.5 -378.5 -98.07 -1.006 -814.8 26.22 0
267.5 -137.6 -137.8 574.9 -378.5 14990 883.3 -2.269 4015 -33.67 0
150 74.25 320.3 860.7 -98.07 883.3 12320 -3.321 773.6 -9.497 0
-1.253 0.2828 -0.2528 3.977 -1.006 -2.269 -3.321 0.1058 7.865 -0.06757 0
3111 43.87 -972.9 4611 -814.8 4015 773.6 7.865 1.68E+005 102.7 0
-26.23 -13.08 -1.25 46.05 26.22 -33.67 -9.497 -0.06757 102.7 37.35 0
0 0 0 0 0 0 0 0 0 0 33.94
```

m9

219

```
87.51 12.88 32.18 182.7 19.5 297.4 101 0.2837 910.3 2.958 6.956
59.02 17.83 36.65 118.9 33.35 141.2 110.3 3.826 386.9 5.037 5.826
3484 -197.8 205.5 2267 23.62 -8.336 768.2 -12.65 2124 -2.378 0
-197.8 317.8 18.29 -76.3 -43.99 193.9 -76.68 0.7503 -420.8 -3.143 0
205.5 18.29 1343 605.7 -1.222 -51.76 606.3 5.749 3559 -6.092 0
2267 -76.3 605.7 14140 -3.965 100.8 773.7 -0.4549 2162 -25.75 0
23.62 -43.99 -1.222 -3.965 1112 -32.97 404.6 34.58 1200 -3.863 0
-8.336 193.9 -51.76 100.8 -32.97 19950 -327.1 -22.7 4590 27.03 0
768.2 -76.68 606.3 773.7 404.6 -327.1 12160 24.48 4993 37.22 0
-12.65 0.7503 5.749 -0.4549 34.58 -22.7 24.48 14.64 109.6 -0.7131 0
2124 -420.8 3559 2162 1200 4590 4993 109.6 1.497E+005 115 0
-2.378 -3.143 -6.092 -25.75 -3.863 27.03 37.22 -0.7131 115 25.37 0
0 0 0 0 0 0 0 0 0 0 33.94
```

m10

223

101.9 13.03 48.01 210 19.49 302.4 75.66 0.7749 800.4 4.203 6.956
64.36 16.36 62.67 136.1 31.26 167.1 94.31 4.511 375 7.01 5.826
4143 -108.5 467.9 665.8 -28.16 -1140 -315.7 -29.91 -627.5 -9.926 0
-108.5 267.7 -98.45 118 23.53 -142.2 117.3 -7.75 18.41 -7.455 0
467.9 -98.45 3928 1382 207.6 774.8 691.6 47.22 1316 7.468 0
665.8 118 1382 18530 1042 90.96 2182 -38.68 5410 83.96 0
-28.16 23.53 207.6 1042 977 -245.4 100.2 -8.037 164.1 11.61 0
-1140 -142.2 774.8 90.96 -245.4 27910 393.9 -37.68 4574 66.76 0
-315.7 117.3 691.6 2182 100.2 393.9 8895 -15.74 4704 33.72 0
-29.91 -7.75 47.22 -38.68 -8.037 -37.68 -15.74 20.35 113.3 3.447 0
-627.5 18.41 1316 5410 164.1 4574 4704 113.3 1.406E+005 -65.72 0
-9.926 -7.455 7.468 83.96 11.61 66.76 33.72 3.447 -65.72 49.14 0
0 0 0 0 0 0 0 0 0 0 0 33.94

m11

205

98.4 15.13 56.92 214.3 26.44 251.4 63.71 1.204 663.3 5.278 6.956
62.11 19.09 82.6 170.4 40.82 156.4 88.73 7.417 462.2 8.615 5.826
3858 -257.2 -153.9 1757 238.4 398.4 -308.6 36.4 1062 -50.84 0
-257.2 364.3 14.19 380.5 -41.3 -376.2 130.4 -13.87 -599.9 -7.564 0
-153.9 14.19 6824 2970 141.6 -646.2 2756 -15.93 2711 -9.252 0
1757 380.5 2970 29040 285.2 3252 2177 22.75 23550 -132.1 0
238.4 -41.3 141.6 285.2 1667 734.5 94.18 -13.32 18.87 20.75 0
398.4 -376.2 -646.2 3252 734.5 24480 1735 -23.21 12000 -91.65 0
-308.6 130.4 2756 2177 94.18 1735 7873 -47.39 4101 -5.351 0
36.4 -13.87 -15.93 22.75 -13.32 -23.21 -47.39 55.01 -281.1 1.022 0
1062 -599.9 2711 23550 18.87 12000 4101 -281.1 2.136E+005 159.3 0
-50.84 -7.564 -9.252 -132.1 20.75 -91.65 -5.351 1.022 159.3 74.22 0
0 0 0 0 0 0 0 0 0 0 0 33.94

m12

1108

104.5 14.99 75.77 213.5 33.07 217.7 70.26 2.013 318.1 8.207 6.956
79.03 22.13 89.63 156.2 43.62 153.1 111.1 11.49 314.2 13.9 5.826
6246 -272.9 410.8 963.1 110.3 -108.9 -447.9 -37.22 -496.7 -59.33 0
-272.9 489.8 89.26 210.9 -33.79 -138.9 -44.27 -11.69 -13.91 -6.153 0
410.8 89.26 8033 28 156.4 -713.5 1394 51.47 -1098 82.23 0
963.1 210.9 28 24410 204.4 1818 1458 -75.36 2258 126 0
110.3 -33.79 156.4 204.4 1902 213.7 24.23 -2.505 849.8 15.76 0
-108.9 -138.9 -713.5 1818 213.7 23440 -442.3 -22.86 7120 -25.54 0
-447.9 -44.27 1394 1458 24.23 -442.3 12350 -35.74 2060 225.5 0
-37.22 -11.69 51.47 -75.36 -2.505 -22.86 -35.74 131.9 -191.3 -0.1597 0
-496.7 -13.91 -1098 2258 849.8 7120 2060 -191.3 98750 -91.74 0
-59.33 -6.153 82.23 126 15.76 -25.54 225.5 -0.1597 -91.74 193.2 0
0 0 0 0 0 0 0 0 0 0 0 33.94

m13

12

```
111.2 13.67 63.39 202.6 33.82 255.8 72.75 0 566.5 8.333 6.956
83.63 13.72 39.15 114.6 35.11 213.5 71.55 0 390 11.01 5.826
6995 355.8 -890.6 939.5 878.1 -6661 -1861 0 -3360 -409 0
355.8 188.3 122 -124.3 327.7 -512.8 428.1 0 321.2 -22.52 0
-890.6 122 1533 -426.3 453.7 3193 137.3 0 -1863 -142.7 0
939.5 -124.3 -426.3 13140 -1010 1052 1427 0 -8986 537.8 0
878.1 327.7 453.7 -1010 1233 -419.9 658.3 0 -397.2 -116 0
-6661 -512.8 3193 1052 -419.9 45600 -1681 0 22900 216.4 0
-1861 428.1 137.3 1427 658.3 -1681 5120 0 2428 415.3 0
0 0 0 0 0 0 0 0 0 0 0
-3360 321.2 -1863 -8986 -397.2 22900 2428 0 1.521E+005 -429.5 0
-409 -22.52 -142.7 537.8 -116 216.4 415.3 0 -429.5 121.3 0
0 0 0 0 0 0 0 0 0 0 33.94
```

m14

15

```
30.36 14.29 1.74 197.1 9.61 142.2 143.8 0 929.7 0.06536 6.956
32.64 19.39 6.168 154.5 16.02 132 189.5 0 534.1 0.2451 5.826
1065 83.56 147.6 201.7 125.5 504 68.02 0 3783 1.248 0
83.56 376.1 -15.79 1474 57.48 880.5 551.2 0 2724 2.738 0
147.6 -15.79 38.04 -105.8 25.4 -64.3 -268.8 0 369 -0.1179 0
201.7 1474 -105.8 23860 -930.5 265 11240 0 2145 -6.02 0
125.5 57.48 25.4 -930.5 256.7 606.8 -1111 0 299.5 2.584 0
504 880.5 -64.3 265 606.8 17420 6501 0 -25590 14.75 0
68.02 551.2 -268.8 11240 -1111 6501 35890 0 -39260 -4.736 0
0 0 0 0 0 0 0 0 0 0 0
3783 2724 369 2145 299.5 -25590 -39260 0 2.853E+005 -1.309 0
1.248 2.738 -0.1179 -6.02 2.584 14.75 -4.736 0 -1.309 0.06007 0
0 0 0 0 0 0 0 0 0 0 33.94
```

m15

62

```
55.45 6.658 5.593 153.6 23.67 211.6 107.8 0 741.2 3.162 6.956
51.83 15.65 12.49 131.9 35.14 106 149.5 0 487 5.613 5.826
2686 -3.244 162.5 -437.3 -293.2 982.9 2603 0 -807.7 -48 0
-3.244 244.8 25.41 -113.5 -63.78 -8.289 -189.5 0 -144.8 9.221 0
162.5 25.41 156 248.7 53.11 107.2 22.41 0 304.2 1.052 0
-437.3 -113.5 248.7 17390 495.8 3283 -197.1 0 -642.2 -51.8 0
-293.2 -63.78 53.11 495.8 1235 458 136.6 0 -3509 21.11 0
982.9 -8.289 107.2 3283 458 11230 4229 0 -9082 92.18 0
2603 -189.5 22.41 -197.1 136.6 4229 22350 0 0 62.09 0
0 0 0 0 0 0 0 0 0 0 0
-807.7 -144.8 304.2 -642.2 -3509 -9082 0 0 2.372E+005 -358.1 0
-48 9.221 1.052 -51.8 21.11 92.18 62.09 0 -358.1 31.5 0
0 0 0 0 0 0 0 0 0 0 33.94
```

m16

76

95.71 9.662 21.36 220.9 14.16 322.8 106 0.1315 1039 3.092 6.956
56.59 16.66 35 162.5 27.33 188.4 125.6 1.128 449.2 6.471 5.826
3202 -163.1 -1.981 1886 247.4 1034 1941 -7.786 7880 7.689 0
-163.1 277.5 -71.13 -154.3 -5.007 -442.4 -251.1 -1.259 -823.1 -5.497 0
-1.981 -71.13 1225 341.4 311.8 263.7 -136.3 2.921 5613 92.63 0
1886 -154.3 341.4 26420 -235.4 2327 -3819 -5.499 14160 -122 0
247.4 -5.007 311.8 -235.4 746.8 -5.148 -391.4 -1.849 3818 63.84 0
1034 -442.4 263.7 2327 -5.148 35490 4308 -25.49 28940 113.4 0
1941 -251.1 -136.3 -3819 -391.4 4308 15790 -13.89 10610 -112.2 0
-7.786 -1.259 2.921 -5.499 -1.849 -25.49 -13.89 1.272 10.13 -0.4087 0
7880 -823.1 5613 14160 3818 28940 10610 10.13 2.018E+005 674.4 0
7.689 -5.497 92.63 -122 63.84 113.4 -112.2 -0.4087 674.4 41.87 0
0 0 0 0 0 0 0 0 0 0 33.94

m17

111

120.6 13.89 23.93 296.5 27.61 429.7 72.7 0.173 1085 3.317 6.956
74.65 20.23 33.51 187.2 38.58 326.6 87.78 1.834 574.9 5.976 5.826
5573 -303.6 25.02 -1300 -288 1487 308 -4.654 -4463 59.78 0
-303.6 409.3 -17.63 572 -22.64 -1335 -330.3 -2.448 965.3 -0.9673 0
25.02 -17.63 1123 -489.4 23.27 -1259 588.3 6.697 3564 27.24 0
-1300 572 -489.4 35050 -216.7 -6970 1972 19.91 430.5 -110.8 0
-288 -22.64 23.27 -216.7 1488 -642.6 -84.67 6.508 465.7 25.13 0
1487 -1335 -1259 -6970 -642.6 1.067E+005 3383 4.192 26660 150.3 0
308 -330.3 588.3 1972 -84.67 3383 7706 5.955 4390 75.55 0
-4.654 -2.448 6.697 19.91 6.508 4.192 5.955 3.362 -51.65 -0.5808 0
-4463 965.3 3564 430.5 465.7 26660 4390 -51.65 3.305E+005 374.5 0
59.78 -0.9673 27.24 -110.8 25.13 150.3 75.55 -0.5808 374.5 35.72 0
0 0 0 0 0 0 0 0 0 0 33.94

m18

103

169.9 10.56 27.02 322.3 38.69 408.4 59.57 0.8026 1064 5.11 6.956
94.23 25.8 42.15 202.7 57.63 228.5 83.55 4.186 645.2 9.232 5.826
8880 -14.58 321.7 2847 429 4306 -62.98 -14.2 304 149.6 0
-14.58 665.4 15.22 -177.8 -34.19 341.8 -112.1 9.286 1248 33.1 0
321.7 15.22 1777 2239 206.5 789.7 -140.9 22.05 924.6 25.29 0
2847 -177.8 2239 41110 1846 5651 2490 37.34 12300 41.18 0
429 -34.19 206.5 1846 3321 -368.7 765.6 42.22 -2528 0 0
4306 341.8 789.7 5651 -368.7 52200 1794 113.8 30810 293.2 0
-62.98 -112.1 -140.9 2490 765.6 1794 6980 4.896 6738 47.82 0
-14.2 9.286 22.05 37.34 42.22 113.8 4.896 17.52 -124.2 -4.135 0
304 1248 924.6 12300 -2528 30810 6738 -124.2 4.163E+005 446.7 0
149.6 33.1 25.29 41.18 0 293.2 47.82 -4.135 446.7 85.23 0
0 0 0 0 0 0 0 0 0 0 33.94

m19

317

165.4 14.36 60.37 305.2 45.4 331.8 80.06 1.211 498.4 7.9 6.956
101.7 24.01 74.43 191.5 53.52 215 131.2 9.216 466.3 13.27 5.826
10340 -297.8 257.3 1324 146.9 1946 -427.1 -16.87 2703 43.17 0
-297.8 576.4 159 436.8 97.65 -562.6 0 11.95 -414.3 -0.3185 0
257.3 159 5540 1867 330.6 1216 976.9 61.05 2013 90.86 0
1324 436.8 1867 36670 399.7 6299 5730 15.88 4197 190.6 0
146.9 97.65 330.6 399.7 2864 -414.2 98.34 -15.78 -2246 -10.65 0
1946 -562.6 1216 6299 -414.2 46220 4148 -75.29 16640 516.3 0
-427.1 0 976.9 5730 98.34 4148 17220 -74.99 4958 355.2 0
-16.87 11.95 61.05 15.88 -15.78 -75.29 -74.99 84.94 47.28 2.446 0
2703 -414.3 2013 4197 -2246 16640 4958 47.28 2.175E+005 792 0
43.17 -0.3185 90.86 190.6 -10.65 516.3 355.2 2.446 792 176 0
0 0 0 0 0 0 0 0 0 0 33.94

m20

23

17.26 10.27 2.097 65.79 5.485 29.98 95.28 0 946.5 0.527 6.956
28.46 20.3 10.04 92.63 14.25 52.6 126.4 0 778.9 2.382 5.826
809.8 380.6 67.97 1165 21.09 501.5 2255 0 443.3 -5.49 0
380.6 412 -22.41 1075 13.02 55.52 2065 0 1075 -3.722 0
67.97 -22.41 100.7 -31.61 53.5 369.6 -208.1 0 1735 0.2629 0
1165 1075 -31.61 8580 -128.1 -29.23 6990 0 5628 -21.18 0
21.09 13.02 53.5 -128.1 203.2 596.8 490.1 0 899.3 28.99 0
501.5 55.52 369.6 -29.23 596.8 2767 1310 0 4016 78.68 0
2255 2065 -208.1 6990 490.1 1310 15980 0 9059 58.1 0
0 0 0 0 0 0 0 0 0 0 0
443.3 1075 1735 5628 899.3 4016 9059 0 6.067E+005 -191.1 0
-5.49 -3.722 0.2629 -21.18 28.99 78.68 58.1 0 -191.1 5.672 0
0 0 0 0 0 0 0 0 0 0 33.94

m21

55

65.18 7.238 11.17 142 15.7 175.1 64.04 1.764 727.3 4.914 6.956
52.33 12.46 20.03 109.4 19.46 99.62 92.85 8.282 407.5 6.936 5.826
2738 -78.9 89.08 -45.8 123.2 -823.7 -855.2 32.51 170.6 42.11 0
-78.9 155.3 -4.741 -8.179 -49.22 -70.76 281.1 -3.818 -126.9 4.408 0
89.08 -4.741 401 595.9 -91.57 -109.7 7.438 -20.07 873.2 6.39 0
-45.8 -8.179 595.9 11970 -227.8 1123 30.47 -135.9 7089 3.035 0
123.2 -49.22 -91.57 -227.8 378.6 436.2 -265.6 -9.669 7.93 14.71 0
-823.7 -70.76 -109.7 1123 436.2 9925 1656 100.7 9257 77.39 0
-855.2 281.1 7.438 30.47 -265.6 1656 8621 -54.6 454.1 48.95 0
32.51 -3.818 -20.07 -135.9 -9.669 100.7 -54.6 68.59 178.9 -3.447 0
170.6 -126.9 873.2 7089 7.93 9257 454.1 178.9 1.661E+005 955.4 0
42.11 4.408 6.39 3.035 14.71 77.39 48.95 -3.447 955.4 48.11 0
0 0 0 0 0 0 0 0 0 0 33.94

m22

90

83.73 9.307 20.1 210.8 17.31 276.9 82.5 0.08995 898.7 4.114 6.956
55.26 14.49 31.04 133.6 32.72 143.8 104.7 0.6089 425.4 7.373 5.826
3054 -132.1 178.4 -502.2 59.66 508.6 352.9 -4.273 -352.6 31.78 0
-132.1 209.8 71.5 333 51.18 -172.9 -87.96 -0.5998 55.47 -7.691 0
178.4 71.5 963.5 1012 74.13 -111.6 175.5 0.8316 -79.23 -7.095 0
-502.2 333 1012 17860 542.1 3344 209.9 -2.848 5231 -87.7 0
59.66 51.18 74.13 542.1 1070 -334 -71.93 -0.5577 167 -3.618 0
508.6 -172.9 -111.6 3344 -334 20680 195.7 6.829 2753 -232.2 0
352.9 -87.96 175.5 209.9 -71.93 195.7 10960 0.8924 4810 -57.9 0
-4.273 -0.5998 0.8316 -2.848 -0.5577 6.829 0.8924 0.3707 -28.49 -0.1751 0
-352.6 55.47 -79.23 5231 167 2753 4810 -28.49 1.81E+005 517.6 0
31.78 -7.691 -7.095 -87.7 -3.618 -232.2 -57.9 -0.1751 517.6 54.37 0
0 0 0 0 0 0 0 0 0 0 33.94

m23

100

100.2 9.363 28.01 200 18.43 300.8 59.67 0.07611 827.4 3.476 6.956
56.58 12.64 35.22 145.2 31.72 142 84.73 0.7818 406.7 6.63 5.826
3201 -26.46 583.9 427.1 73.58 297.2 19.17 6.503 -3774 43.89 0
-26.46 159.7 -8.012 489.8 -38.08 -303.2 -133.8 -0.7411 395.7 -3.184 0
583.9 -8.012 1240 828.3 90.49 110 170.1 -2.203 -300.8 40.16 0
427.1 489.8 828.3 21070 -32.23 1834 1353 -14.64 1358 -36.57 0
73.58 -38.08 90.49 -32.23 1006 -279.2 129 -1.463 -838.5 26.29 0
297.2 -303.2 110 1834 -279.2 20150 1876 -15.43 16450 239.1 0
19.17 -133.8 170.1 1353 129 1876 7179 -1.325 2136 87.63 0
6.503 -0.7411 -2.203 -14.64 -1.463 -15.43 -1.325 0.6113 -49.6 -0.2747 0
-3774 395.7 -300.8 1358 -838.5 16450 2136 -49.6 1.654E+005 -175.3 0
43.89 -3.184 40.16 -36.57 26.29 239.1 87.63 -0.2747 -175.3 43.96 0
0 0 0 0 0 0 0 0 0 0 33.94

m24

93

106 10.36 34.58 214.6 12.46 305.5 52.21 1.744 628.9 3.803 6.956
75.64 16.27 53.65 184.9 23.68 185 78.76 10 487.4 9.771 5.826
5721 -200.6 109.6 1203 263.3 2239 363.4 -36.32 1364 -10.35 0
-200.6 264.8 -7.857 -102.3 -55.88 -3.01 -101.3 6.675 705.9 -4.452 0
109.6 -7.857 2878 684.5 47 -466.4 215.5 109.5 2641 -18.35 0
1203 -102.3 684.5 34190 -372.2 4549 2024 53.65 13070 -189.7 0
263.3 -55.88 47 -372.2 560.8 -573.9 -210.8 0.4738 -450.2 -0.6942 0
2239 -3.01 -466.4 4549 -573.9 34220 2273 -111 25700 -52.42 0
363.4 -101.3 215.5 2024 -210.8 2273 6203 36.25 5912 -37.71 0
-36.32 6.675 109.5 53.65 0.4738 -111 36.25 100.1 604.7 0.6843 0
1364 705.9 2641 13070 -450.2 25700 5912 604.7 2.376E+005 138.1 0
-10.35 -4.452 -18.35 -189.7 -0.6942 -52.42 -37.71 0.6843 138.1 95.48 0
0 0 0 0 0 0 0 0 0 0 33.94

m25

373

104.6 11.73 61.38 213.1 28.37 222.8 60.21 1.169 362.7 5.944 6.956
69.61 19.75 87.89 150.5 41.83 140.2 94.49 6.67 324 9.788 5.826
4846 -258.4 195.8 1519 26.21 175.6 256.5 -2.786 1218 -12.95 0
-258.4 389.9 187.4 -59.42 -48.74 94.1 126.9 -1.185 -281.5 -26.28 0
195.8 187.4 7724 529 198.5 -1035 1611 -2.345 598 19.78 0
1519 -59.42 529 22640 -107 1729 2033 -38.14 1073 -86.89 0
26.21 -48.74 198.5 -107 1750 129 340 8.371 1206 6.961 0
175.6 94.1 -1035 1729 129 19650 781.5 -31.79 5722 27.44 0
256.5 126.9 1611 2033 340 781.5 8929 -24.58 30.62 23.12 0
-2.786 -1.185 -2.345 -38.14 8.371 -31.79 -24.58 44.49 -19.45 -3.46 0
1218 -281.5 598 1073 1206 5722 30.62 -19.45 1.05E+005 190.3 0
-12.95 -26.28 19.78 -86.89 6.961 27.44 23.12 -3.46 190.3 95.8 0
0 0 0 0 0 0 0 0 0 0 33.94

m26

3

69.45 9.512 22.23 209.7 118.2 177.6 71.98 0 651.8 8.913 6.956
56.6 16.48 38.5 62.5 106.2 114 124.7 0 84.69 5.801 5.826
3203 -811.4 -1896 -1404 5569 3838 -6140 0 1232 213.7 0
-811.4 271.6 634.4 -111.2 -1086 -227.2 2055 0 353.1 -18.35 0
-1896 634.4 1482 -259.9 -2538 -530.9 4801 0 824.9 -42.88 0
-1404 -111.2 -259.9 3906 -4731 -6938 -841.7 0 -5235 -346.2 0
5569 -1086 -2538 -4731 11270 10320 -8221 0 5413 547.4 0
3838 -227.2 -530.9 -6938 10320 12990 -1720 0 8977 659.1 0
-6140 2055 4801 -841.7 -8221 -1720 15550 0 2672 -138.9 0
0 0 0 0 0 0 0 0 0 0 0
1232 353.1 824.9 -5235 5413 8977 2672 0 7173 442.6 0
213.7 -18.35 -42.88 -346.2 547.4 659.1 -138.9 0 442.6 33.65 0
0 0 0 0 0 0 0 0 0 0 33.94

B.2 WINTER 1965

m1

34

23.08 14.71 1.116 113.3 5.86 66.59 58.73 0 723.4 0.9776 8.3
42.27 22.95 6.517 131.8 20.42 103.7 83.96 0 553.2 4.759 6.952
1787 463.8 -26.45 -312.1 -35.39 109.6 656.6 0 4981 -12.88 0
463.8 526.9 16.01 753.5 84.36 223.8 466.4 0 3086 -1.639 0
-26.45 16.01 42.47 -42.96 8.25 -64.23 -67.85 0 346.1 -1.117 0
-312.1 753.5 -42.96 17380 934 5895 3343 0 -13490 291.7 0
-35.39 84.36 8.25 934 416.9 1252 -49.71 0 835.9 7.288 0
109.6 223.8 -64.23 5895 1252 10760 322.3 0 11480 -16.79 0
656.6 466.4 -67.85 3343 -49.71 322.3 7049 0 6688 -35.56 0
0 0 0 0 0 0 0 0 0 0 0
4981 3086 346.1 -13490 835.9 11480 6688 0 3.06E+005 -484.4 0
-12.88 -1.639 -1.117 291.7 7.288 -16.79 -35.56 0 -484.4 22.65 0
0 0 0 0 0 0 0 0 0 0 48.33

m2

171

```
65.04 14.42 7.704 96.71 22.05 171.7 41.29 0 551.4 4.262 8.3
48.08 20.07 14.66 89.26 29.52 112.4 64.78 0 316.5 8.658 6.952
2311 -6.756 71.2 313.2 127.7 988.8 -40.49 0 289.1 -37.46 0
-6.756 403 -5.593 93.17 95.41 -273 110.5 0 -165.2 -3.302 0
71.2 -5.593 215 18.32 47.18 -60.98 18.05 0 -329.5 -0.5078 0
313.2 93.17 18.32 7967 -57.97 902.9 161.9 0 4774 0 0
127.7 95.41 47.18 -57.97 871.5 -335.1 59.29 0 -710 -2.812 0
988.8 -273 -60.98 902.9 -335.1 12630 145.6 0 -426.8 -46.71 0
-40.49 110.5 18.05 161.9 59.29 145.6 4197 0 -143.5 253 0
0 0 0 0 0 0 0 0 0 0 0
289.1 -165.2 -329.5 4774 -710 -426.8 -143.5 0 1.002E+005 54.8 0
-37.46 -3.302 -0.5078 0 -2.812 -46.71 253 0 54.8 74.96 0
0 0 0 0 0 0 0 0 0 0 48.33
```

m3

209

```
97.12 17.13 19.85 131.9 18.48 236.3 56.89 0.5201 712.7 4.912 8.3
56.13 24.45 27.89 84.37 26.6 121.4 70.44 3.162 356.9 9.513 6.952
3151 -45.28 284.9 1037 104.5 1104 -268.9 -2.485 4187 -1.068 0
-45.28 597.6 -42.27 47.44 63.08 -314.6 106.8 -1.314 -279.2 -23.49 0
284.9 -42.27 777.7 134.1 129.8 714.5 255.4 3.527 696.7 10.88 0
1037 47.44 134.1 7118 150.4 1024 1064 11.74 6444 52.17 0
104.5 63.08 129.8 150.4 707.7 71.06 335.4 5.888 911.4 2.024 0
1104 -314.6 714.5 1024 71.06 14740 504.6 38.39 8927 53.13 0
-268.9 106.8 255.4 1064 335.4 504.6 4962 53.01 2640 56.29 0
-2.485 -1.314 3.527 11.74 5.888 38.39 53.01 9.999 -129.8 -2.467 0
4187 -279.2 696.7 6444 911.4 8927 2640 -129.8 1.274E+005 -10.19 0
-1.068 -23.49 10.88 52.17 2.024 53.13 56.29 -2.467 -10.19 90.49 0
0 0 0 0 0 0 0 0 0 0 48.33
```

m4

194

```
123 20.77 33.35 159.5 18.48 270.9 52.62 0.289 799.2 5.79 8.3
70.05 29.48 44.62 104.3 30.13 146.1 71.56 2.634 445.9 10.23 6.952
4907 -512.1 737.7 854.9 27.44 -61.41 -526.4 0.1845 -1499 -89.61 0
-512.1 869 102.6 267.5 93.27 64.6 426.1 -2.484 972.6 35.29 0
737.7 102.6 1991 586.4 92.78 1206 166 8.462 2945 0 0
854.9 267.5 586.4 10880 157.1 -807.6 37.32 -9.34 14090 103.5 0
27.44 93.27 92.78 157.1 907.9 -677.9 -34.5 0.3174 268.7 12.03 0
-61.41 64.6 1206 -807.6 -677.9 21340 710.9 -19.62 15890 145 0
-526.4 426.1 166 37.32 -34.5 710.9 5121 0.9423 5009 19.04 0
0.1845 -2.484 8.462 -9.34 0.3174 -19.62 0.9423 6.936 -97.46 -1.267 0
-1499 972.6 2945 14090 268.7 15890 5009 -97.46 1.988E+005 182.5 0
-89.61 35.29 0 103.5 12.03 145 19.04 -1.267 182.5 104.7 0
0 0 0 0 0 0 0 0 0 0 48.33
```

m5

212

173.6 24.75 35.73 174.1 28.61 269.5 45.63 1.659 771.1 6.533 8.3
113.8 35.46 42.51 120.6 41.79 154.9 67.54 11.52 492.6 10.16 6.952
12950 -750.4 72.55 2662 -161.7 493.6 -991.3 -207 7175 -1.156 0
-750.4 1257 -18.09 89.8 -90.4 126.4 179.6 66.97 -593.9 -1.081 0
72.55 -18.09 1807 594.7 135 -13.17 269.9 -24.97 2241 45.79 0
2662 89.8 594.7 14550 373 317.7 374.7 94.45 7783 104.2 0
-161.7 -90.4 135 373 1747 -492.1 -211.7 -23.11 -3130 23.79 0
493.6 126.4 -13.17 317.7 -492.1 24010 -251.2 -16.06 21830 -9.447 0
-991.3 179.6 269.9 374.7 -211.7 -251.2 4562 -43.56 7187 56.97 0
-207 66.97 -24.97 94.45 -23.11 -16.06 -43.56 132.6 -391.5 -10.3 0
7175 -593.9 2241 7783 -3130 21830 7187 -391.5 2.427E+005 485.6 0
-1.156 -1.081 45.79 104.2 23.79 -9.447 56.97 -10.3 485.6 103.3 0
0 0 0 0 0 0 0 0 0 0 48.33

m6

777

182.9 27.67 45.47 181.9 40.61 224 50.11 2.758 344.7 11 8.3
124.3 43.07 56.59 127.7 49.14 147.9 82.13 14.52 352.7 18.87 6.952
15440 -1011 -98.45 1524 409.2 147 -877.7 -140.8 5654 -65.65 0
-1011 1855 107.2 269.5 103.7 -611.5 279.4 30.65 -698.8 31.69 0
-98.45 107.2 3203 469.8 -139.1 0 627.4 8.218 339.3 48.05 0
1524 269.5 469.8 16310 577.4 906.7 398.6 72.33 5316 120.5 0
409.2 103.7 -139.1 577.4 2415 385.2 -133.2 -4.282 970.7 53.78 0
147 -611.5 0 906.7 385.2 21880 728.8 -92.36 8243 122.8 0
-877.7 279.4 627.4 398.6 -133.2 728.8 6745 -16.7 1159 144.1 0
-140.8 30.65 8.218 72.33 -4.282 -92.36 -16.7 210.9 -471.3 4.384 0
5654 -698.8 339.3 5316 970.7 8243 1159 -471.3 1.244E+005 326.1 0
-65.65 31.69 48.05 120.5 53.78 122.8 144.1 4.384 326.1 356 0
0 0 0 0 0 0 0 0 0 0 48.33

m7

48

23.43 13.28 4.345 104.1 6.956 53.49 86.97 0 735.7 1.762 8.3
32.22 21.96 10.62 95.86 15.3 66.93 92.98 0 399.7 7.493 6.952
1038 220 32.16 799.9 69 161.7 29.96 0 1391 -19.31 0
220 482.3 -5.598 618.9 -37.29 257.2 588.1 0 2387 -15.3 0
32.16 -5.598 112.8 198.5 37.69 204.7 139.2 0 -322.6 19.5 0
799.9 618.9 198.5 9190 227.3 891.9 5375 0 2337 66.8 0
69 -37.29 37.69 227.3 234 240.6 412.5 0 -1100 -11.81 0
161.7 257.2 204.7 891.9 240.6 4480 2521 0 535 72.22 0
29.96 588.1 139.2 5375 412.5 2521 8646 0 -3977 32.05 0
0 0 0 0 0 0 0 0 0 0 0
1391 2387 -322.6 2337 -1100 535 -3977 0 1.597E+005 -185.7 0
-19.31 -15.3 19.5 66.8 -11.81 72.22 32.05 0 -185.7 56.15 0
0 0 0 0 0 0 0 0 0 0 48.33

m8

143

```
64.06 15.8 8.84 92.25 21.28 153.1 55.25 0.04954 590.9 4.935 8.3
41.85 21.67 13.25 70.69 25.94 87.71 71.98 0.388 310.3 8.758 6.952
1751 -54.4 27.72 331.3 -115.1 201.9 102.4 -1.575 2480 -39.58 0
-54.4 469.4 10.04 99.55 46.65 -159.6 77.97 0.5464 53.78 -30.36 0
27.72 10.04 175.4 15.92 5.498 -63.89 134.4 -0.1953 -476.7 -1.16 0
331.3 99.55 15.92 4997 220.1 266.6 361.3 3.072 2259 42.72 0
-115.1 46.65 5.498 220.1 673.1 -223 -52.29 -0.9866 -507.1 30.9 0
201.9 -159.6 -63.89 266.6 -223 7693 410.4 -1.94 2177 -34.57 0
102.4 77.97 134.4 361.3 -52.29 410.4 5181 -2.57 379.7 -8.825 0
-1.575 0.5464 -0.1953 3.072 -0.9866 -1.94 -2.57 0.1506 7.103 -0.1155 0
2480 53.78 -476.7 2259 -507.1 2177 379.7 7.103 96260 111.4 0
-39.58 -30.36 -1.16 42.72 30.9 -34.57 -8.825 -0.1155 111.4 76.7 0
0 0 0 0 0 0 0 0 0 0 48.33
```

m9

219

```
92.17 20.85 20.83 118.3 16.04 213.1 65.51 0.3385 689 4.238 8.3
62.16 28.87 23.72 76.97 27.42 101.2 71.52 4.566 292.9 7.218 6.952
3864 -337.4 140.1 1545 20.46 -6.29 524.6 -15.89 1693 -3.59 0
-337.4 833.6 19.18 -80 -58.59 224.9 -80.53 1.45 -515.8 -7.294 0
140.1 19.18 562.9 253.8 -0.6506 -24.01 254.5 4.441 1744 -5.651 0
1545 -80 253.8 5924 -2.11 46.73 324.8 -0.3514 1059 -23.89 0
20.46 -58.59 -0.6506 -2.11 751.9 -19.42 215.7 33.93 746.9 -4.552 0
-6.29 224.9 -24.01 46.73 -19.42 10240 -152 -19.4 2489 27.75 0
524.6 -80.53 254.5 324.8 215.7 -152 5115 18.94 2451 34.59 0
-15.89 1.45 4.441 -0.3514 33.93 -19.4 18.94 20.84 98.95 -1.219 0
1693 -515.8 1744 1059 746.9 2489 2451 98.95 85770 124.7 0
-3.59 -7.294 -5.651 -23.89 -4.552 27.75 34.59 -1.219 124.7 52.1 0
0 0 0 0 0 0 0 0 0 0 48.33
```

m10

223

```
107.3 21.1 31.08 136 16.02 216.7 49.06 0.9247 605.8 6.024 8.3
67.79 26.5 40.57 88.11 25.7 119.7 61.15 5.383 283.8 10.05 6.952
4595 -185 319 453.9 -24.39 -860.1 -215.6 -37.59 -500.3 -14.98 0
-185 702.3 -103.2 123.8 31.33 -164.9 123.2 -14.98 22.56 -17.3 0
319 -103.2 1646 579.1 110.5 359.4 290.3 36.47 644.8 6.928 0
453.9 123.8 579.1 7763 554.8 42.19 916 -29.88 2651 77.89 0
-24.39 31.33 110.5 554.8 660.6 -144.6 53.44 -7.886 102.1 13.68 0
-860.1 -164.9 359.4 42.19 -144.6 14330 183 -32.22 2480 68.54 0
-215.6 123.2 290.3 916 53.44 183 3740 -12.18 2309 31.33 0
-37.59 -14.98 36.47 -29.88 -7.886 -32.22 -12.18 28.98 102.4 5.894 0
-500.3 22.56 644.8 2651 102.1 2480 2309 102.4 80560 -71.28 0
-14.98 -17.3 6.928 77.89 13.68 68.54 31.33 5.894 -71.28 100.9 0
0 0 0 0 0 0 0 0 0 0 48.33
```


m11

205

103.6 24.51 36.85 138.7 21.75 180.1 41.31 1.437 502.1 7.563 8.3
65.42 30.91 53.47 110.3 33.57 112.1 57.53 8.85 349.8 12.35 6.952
4280 -438.8 -104.9 1198 206.4 300.6 -210.8 45.74 846.8 -76.73 0
-438.8 955.5 14.88 398.9 -55 -436.5 136.9 -26.81 -735.3 -17.55 0
-104.9 14.88 2859 1245 75.39 -299.7 1157 -12.3 1328 -8.582 0
1198 398.9 1245 12170 151.8 1508 913.9 17.57 11540 -122.6 0
206.4 -55 75.39 151.8 1127 432.7 50.22 -13.07 11.74 24.45 0
300.6 -436.5 -299.7 1508 432.7 12560 806.1 -19.84 6509 -94.1 0
-210.8 136.9 1157 913.9 50.22 806.1 3310 -36.66 2013 -4.972 0
45.74 -26.81 -12.3 17.57 -13.07 -19.84 -36.66 78.33 -253.9 1.748 0
846.8 -735.3 1328 11540 11.74 6509 2013 -253.9 1.224E+005 172.8 0
-76.73 -17.55 -8.582 -122.6 24.45 -94.1 -4.972 1.748 172.8 152.4 0
0 0 0 0 0 0 0 0 0 0 48.33

m12

1108

110 24.27 49.05 138.2 27.19 156 45.56 2.402 240.7 11.76 8.3
83.24 35.84 58.02 101.1 35.87 109.7 72.05 13.7 237.8 19.92 6.952
6929 -465.4 280.1 656.6 95.53 -82.17 -305.9 -46.77 -396 -89.54 0
-465.4 1285 93.58 221.1 -44.99 -161.2 -46.49 -22.6 -17.05 -14.28 0
280.1 93.58 3366 11.74 83.23 -330.9 585.3 39.76 -538.2 76.28 0
656.6 221.1 11.74 10230 108.8 843 612.1 -58.21 1106 116.9 0
95.53 -44.99 83.23 108.8 1286 125.9 12.92 -2.458 528.9 18.58 0
-82.17 -161.2 -330.9 843 125.9 12030 -205.5 -19.54 3861 -26.22 0
-305.9 -46.49 585.3 612.1 12.92 -205.5 5192 -27.65 1011 209.6 0
-46.77 -22.6 39.76 -58.21 -2.458 -19.54 -27.65 187.8 -172.8 -0.273 0
-396 -17.05 -538.2 1106 528.9 3861 1011 -172.8 56570 -99.5 0
-89.54 -14.28 76.28 116.9 18.58 -26.22 209.6 -0.273 -99.5 396.9 0
0 0 0 0 0 0 0 0 0 0 48.33

m13

12

117.1 22.14 41.03 131.2 27.81 183.3 47.17 0 428.8 11.94 8.3
88.09 22.23 25.34 74.2 28.87 153 46.4 0 295.2 15.78 6.952
7759 606.9 -607.2 640.5 760.5 -5026 -1271 0 -2678 -617.3 0
606.9 494 127.9 -130.3 436.4 -595 449.6 0 393.7 -52.27 0
-607.2 127.9 642.3 -178.6 241.5 1481 57.62 0 -912.7 -132.4 0
640.5 -130.3 -178.6 5506 -537.8 488.1 599 0 -4403 498.9 0
760.5 436.4 241.5 -537.8 833.7 -247.4 351 0 -247.2 -136.7 0
-5026 -595 1481 488.1 -247.4 23400 -780.8 0 12420 222.1 0
-1271 449.6 57.62 599 351 -780.8 2153 0 1192 385.9 0
0 0 0 0 0 0 0 0 0 0 0
-2678 393.7 -912.7 -4403 -247.2 12420 1192 0 87140 -465.9 0
-617.3 -52.27 -132.4 498.9 -136.7 222.1 385.9 0 -465.9 249.1 0
0 0 0 0 0 0 0 0 0 0 48.33

m14

15

```
31.98 23.15 1.126 127.6 7.902 101.9 93.25 0 703.7 0.09366 8.3
34.38 31.41 3.993 100 13.17 94.55 122.8 0 404.3 0.3512 6.952
1182 142.5 100.6 137.5 108.7 380.3 46.45 0 3016 1.884 0
142.5 986.6 -16.55 1545 76.55 1022 578.8 0 3340 6.355 0
100.6 -16.55 15.94 -44.32 13.52 -29.82 -112.8 0 180.8 -0.1094 0
137.5 1545 -44.32 9999 -495.3 122.9 4717 0 1051 -5.585 0
108.7 76.55 13.52 -495.3 173.6 357.5 -592.3 0 186.4 3.045 0
380.3 1022 -29.82 122.9 357.5 8939 3020 0 -13870 15.14 0
46.45 578.8 -112.8 4717 -592.3 3020 15090 0 -19270 -4.401 0
0 0 0 0 0 0 0 0 0 0 0
3016 3340 180.8 1051 186.4 -13870 -19270 0 1.634E+005 -1.42 0
1.884 6.355 -0.1094 -5.585 3.045 15.14 -4.401 0 -1.42 0.1234 0
0 0 0 0 0 0 0 0 0 0 48.33
```

m15

62

```
58.4 10.78 3.621 99.43 19.46 151.6 69.92 0 561 4.531 8.3
54.59 25.34 8.086 85.35 28.9 75.91 96.93 0 368.6 8.043 6.952
2980 -5.533 110.8 -298.2 -254 741.7 1778 0 -643.9 -72.44 0
-5.533 642.2 26.64 -119 -84.95 -9.618 -199 0 -177.5 21.4 0
110.8 26.64 65.38 104.2 28.27 49.72 9.405 0 149 0.9756 0
-298.2 -119 104.2 7285 263.9 1523 -82.73 0 -314.6 -48.06 0
-254 -84.95 28.27 263.9 835.1 269.8 72.83 0 -2184 24.87 0
741.7 -9.618 49.72 1523 269.8 5762 1965 0 -4925 94.64 0
1778 -199 9.405 -82.73 72.83 1965 9395 0 0 57.69 0
0 0 0 0 0 0 0 0 0 0 0
-643.9 -177.5 149 -314.6 -2184 -4925 0 0 1.359E+005 -388.4 0
-72.44 21.4 0.9756 -48.06 24.87 94.64 57.69 0 -388.4 64.7 0
0 0 0 0 0 0 0 0 0 0 48.33
```

m16

76

```
100.8 15.65 13.83 143 11.64 231.3 68.76 0.1569 786.7 4.431 8.3
59.6 26.98 22.66 105.2 22.47 135 81.47 1.346 340 9.273 6.952
3552 -278.2 -1.35 1286 214.3 780.2 1326 -9.785 6282 11.61 0
-278.2 727.8 -74.58 -161.8 -6.669 -513.4 -263.7 -2.432 -1009 -12.76 0
-1.35 -74.58 513.4 143 166 122.3 -57.23 2.256 2750 85.93 0
1286 -161.8 143 11070 -125.3 1079 -1603 -4.248 6940 -113.2 0
214.3 -6.669 166 -125.3 505 -3.033 -208.7 -1.814 2376 75.22 0
780.2 -513.4 122.3 1079 -3.033 18210 2001 -21.79 15690 116.4 0
1326 -263.7 -57.23 -1603 -208.7 2001 6637 -10.74 5208 -104.3 0
-9.785 -2.432 2.256 -4.248 -1.814 -21.79 -10.74 1.811 9.151 -0.6988 0
6282 -1009 2750 6940 2376 15690 5208 9.151 1.156E+005 731.4 0
11.61 -12.76 85.93 -113.2 75.22 116.4 -104.3 -0.6988 731.4 85.98 0
0 0 0 0 0 0 0 0 0 0 48.33
```

m17

111

127 22.5 15.49 191.9 22.7 307.9 47.14 0.2064 820.9 4.753 8.3
78.62 32.77 21.69 121.2 31.72 234 56.92 2.188 435.1 8.564 6.952
6182 -517.8 17.06 -886.2 -249.4 1122 210.3 -5.849 -3558 90.23 0
-517.8 1074 -18.48 599.7 -30.15 -1549 -346.9 -4.732 1183 -2.245 0
17.06 -18.48 470.6 -205.1 12.39 -583.7 247 5.173 1746 25.27 0
-886.2 599.7 -205.1 14690 -115.3 -3233 827.8 15.38 210.9 -102.8 0
-249.4 -30.15 12.39 -115.3 1006 -378.6 -45.14 6.385 289.9 29.61 0
1122 -1549 -583.7 -3233 -378.6 54740 1572 3.583 14460 154.3 0
210.3 -346.9 247 827.8 -45.14 1572 3240 4.608 2155 70.2 0
-5.849 -4.732 5.173 15.38 6.385 3.583 4.608 4.787 -46.64 -0.9931 0
-3558 1183 1746 210.9 289.9 14460 2155 -46.64 1.893E+005 406.2 0
90.23 -2.245 25.27 -102.8 29.61 154.3 70.2 -0.9931 406.2 73.35 0
0 0 0 0 0 0 0 0 0 0 48.33

m18

103

179 17.1 17.49 208.6 31.82 292.6 38.63 0.9577 805.2 7.323 8.3
99.25 41.78 27.28 131.2 47.39 163.7 54.17 4.995 488.3 13.23 6.952
9850 -24.88 219.3 1941 371.6 3249 -43.01 -17.85 242.3 225.8 0
-24.88 1745 15.96 -186.4 -45.54 396.6 -117.7 17.95 1530 76.83 0
219.3 15.96 744.5 938.2 109.9 366.2 -59.12 17.04 453 23.46 0
1941 -186.4 938.2 17220 982.7 2621 1045 28.84 6025 38.2 0
371.6 -45.54 109.9 982.7 2246 -217.2 408.2 41.42 -1574 0 0
3249 396.6 366.2 2621 -217.2 26790 833.6 97.3 16710 301 0
-43.01 -117.7 -59.12 1045 408.2 833.6 2935 3.788 3307 44.44 0
-17.85 17.95 17.04 28.84 41.42 97.3 3.788 24.95 -112.2 -7.071 0
242.3 1530 453 6025 -1574 16710 3307 -112.2 2.385E+005 484.6 0
225.8 76.83 23.46 38.2 0 301 44.44 -7.071 484.6 175 0
0 0 0 0 0 0 0 0 0 0 48.33

m19

317

174.2 23.25 39.08 197.6 37.33 237.7 51.91 1.445 377.3 11.32 8.3
107.1 38.88 48.18 124 44.01 154 85.1 11 353 19.01 6.952
11470 -508.1 175.5 902.8 127.3 1468 -291.7 -21.2 2155 65.16 0
-508.1 1512 166.7 457.9 130.1 -652.8 0 23.09 -507.8 -0.7393 0
175.5 166.7 2322 782.4 176 564 410 47.16 986.4 84.29 0
902.8 457.9 782.4 15370 212.8 2921 2405 12.27 2056 176.8 0
127.3 130.1 176 212.8 1937 -244 52.43 -15.49 -1398 -12.55 0
1468 -652.8 564 2921 -244 23720 1927 -64.36 9025 530.1 0
-291.7 0 410 2405 52.43 1927 7242 -58.02 2433 330.1 0
-21.2 23.09 47.16 12.27 -15.49 -64.36 -58.02 120.9 42.7 4.182 0
2155 -507.8 986.4 2056 -1398 9025 2433 42.7 1.246E+005 859 0
65.16 -0.7393 84.29 176.8 -12.55 530.1 330.1 4.182 859 361.5 0
0 0 0 0 0 0 0 0 0 0 48.33

m20

23

18.18 16.63 1.358 42.59 4.511 21.48 61.78 0 716.4 0.7552 8.3
29.97 32.87 6.497 59.96 11.72 37.69 81.96 0 589.6 3.413 6.952
898.3 649.3 46.34 794.3 18.27 378.4 1540 0 353.4 -8.286 0
649.3 1081 -23.49 1127 17.34 64.42 2169 0 1318 -8.639 0
46.34 -23.49 42.21 -13.24 28.48 171.4 -87.33 0 850.3 0.2439 0
794.3 1127 -13.24 3595 -68.17 -13.56 2934 0 2757 -19.65 0
18.27 17.34 28.48 -68.17 137.4 351.6 261.3 0 559.7 34.16 0
378.4 64.42 171.4 -13.56 351.6 1420 608.5 0 2177 80.78 0
1540 2169 -87.33 2934 261.3 608.5 6718 0 4446 53.99 0
0 0 0 0 0 0 0 0 0 0 0
353.4 1318 850.3 2757 559.7 2177 4446 0 3.476E+005 -207.2 0
-8.286 -8.639 0.2439 -19.65 34.16 80.78 53.99 0 -207.2 11.65 0
0 0 0 0 0 0 0 0 0 0 48.33

m21

55

68.65 11.72 7.231 91.95 12.91 125.4 41.53 2.105 550.4 7.042 8.3
55.12 20.18 12.96 70.82 16 71.37 60.21 9.882 308.5 9.94 6.952
3038 -134.6 60.73 -31.23 106.7 -621.6 -584 40.85 136 63.55 0
-134.6 407.2 -4.971 -8.575 -65.55 -82.1 295.2 -7.379 -155.6 10.23 0
60.73 -4.971 168.1 249.7 -48.74 -50.89 3.122 -15.5 427.8 5.927 0
-31.23 -8.575 249.7 5016 -121.2 520.6 12.79 -105 3473 2.816 0
106.7 -65.55 -48.74 -121.2 256 257 -141.6 -9.487 4.935 17.34 0
-621.6 -82.1 -50.89 520.6 257 5094 769.2 86.05 5020 79.46 0
-584 295.2 3.122 12.79 -141.6 769.2 3625 -42.24 222.8 45.48 0
40.85 -7.379 -15.5 -105 -9.487 86.05 -42.24 97.66 161.6 -5.894 0
136 -155.6 427.8 3473 4.935 5020 222.8 161.6 95140 1036 0
63.55 10.23 5.927 2.816 17.34 79.46 45.48 -5.894 1036 98.81 0
0 0 0 0 0 0 0 0 0 0 48.33

m22

90

88.19 15.07 13.01 136.5 14.24 198.4 53.49 0.1073 680.2 5.895 8.3
58.2 23.46 20.09 86.51 26.9 103 67.89 0.7265 322 10.57 6.952
3388 -225.3 121.6 -342.4 51.67 383.8 241 -5.37 -281.1 47.97 0
-225.3 550.4 74.96 349.1 68.17 -200.6 -92.38 -1.159 67.99 -17.85 0
121.6 74.96 403.8 424.2 39.46 -51.75 73.66 0.6423 -38.82 -6.582 0
-342.4 349.1 424.2 7484 288.6 1551 88.09 -2.2 2563 -81.36 0
51.67 68.17 39.46 288.6 723.7 -196.8 -38.35 -0.5473 103.9 -4.264 0
383.8 -200.6 -51.75 1551 -196.8 10610 90.92 5.838 1493 -238.4 0
241 -92.38 73.66 88.09 -38.35 90.92 4608 0.6905 2361 -53.8 0
-5.37 -1.159 0.6423 -2.2 -0.5473 5.838 0.6905 0.5278 -25.73 -0.2994 0
-281.1 67.99 -38.82 2563 103.9 1493 2361 -25.73 1.037E+005 561.4 0
47.97 -17.85 -6.582 -81.36 -4.264 -238.4 -53.8 -0.2994 561.4 111.7 0
0 0 0 0 0 0 0 0 0 0 48.33

m23

100

105.6 15.16 18.13 129.5 15.16 215.5 38.69 0.09082 626.2 4.982 8.3
59.59 20.47 22.8 93.97 26.08 101.7 54.94 0.9329 307.8 9.501 6.952
3551 -45.13 398.1 291.2 63.73 224.3 13.1 8.172 -3008 66.24 0
-45.13 418.9 -8.4 513.6 -50.72 -351.8 -140.6 -1.432 485.1 -7.39 0
398.1 -8.4 519.8 347.1 48.17 51.01 71.39 -1.702 -147.4 37.26 0
291.2 513.6 347.1 8831 -17.16 850.6 567.9 -11.31 665.3 -33.93 0
63.73 -50.72 48.17 -17.16 680.3 -164.5 68.78 -1.436 -521.8 30.98 0
224.3 -351.8 51.01 850.6 -164.5 10340 871.7 -13.19 8922 245.4 0
13.1 -140.6 71.39 567.9 68.78 871.7 3018 -1.025 1048 81.43 0
8.172 -1.432 -1.702 -11.31 -1.436 -13.19 -1.025 0.8704 -44.8 -0.4698 0
-3008 485.1 -147.4 665.3 -521.8 8922 1048 -44.8 94740 -190.1 0
66.24 -7.39 37.26 -33.93 30.98 245.4 81.43 -0.4698 -190.1 90.27 0
0 0 0 0 0 0 0 0 0 0 48.33

m24

93

111.6 16.78 22.39 138.9 10.24 218.9 33.86 2.081 476 5.45 8.3
79.67 26.36 34.73 119.7 19.47 132.5 51.07 11.94 368.9 14 6.952
6347 -342.3 74.7 820.1 228 1689 248.2 -45.65 1087 -15.62 0
-342.3 694.7 -8.237 -107.3 -74.42 -3.493 -106.3 12.9 865.4 -10.33 0
74.7 -8.237 1206 286.8 25.02 -216.3 90.45 84.57 1294 -17.02 0
820.1 -107.3 286.8 14330 -198.1 2110 849.7 41.44 6403 -176 0
228 -74.42 25.02 -198.1 379.2 -338.1 -112.4 0.4649 -280.2 -0.818 0
1689 -3.493 -216.3 2110 -338.1 17570 1056 -94.93 13930 -53.82 0
248.2 -106.3 90.45 849.7 -112.4 1056 2608 28.05 2901 -35.04 0
-45.65 12.9 84.57 41.44 0.4649 -94.93 28.05 142.5 546.1 1.17 0
1087 865.4 1294 6403 -280.2 13930 2901 546.1 1.361E+005 149.8 0
-15.62 -10.33 -17.02 -176 -0.818 -53.82 -35.04 1.17 149.8 196.1 0
0 0 0 0 0 0 0 0 0 0 48.33

m25

373

110.2 18.99 39.74 138 23.33 159.6 39.04 1.395 274.5 8.518 8.3
73.32 31.98 56.89 97.4 34.4 100.4 61.27 7.959 245.2 14.03 6.952
5375 -440.8 133.5 1035 22.7 132.5 175.2 -3.501 970.9 -19.54 0
-440.8 1023 196.5 -62.3 -64.91 109.2 133.2 -2.291 -345.1 -61 0
133.5 196.5 3237 221.7 105.7 -479.9 676.3 -1.811 293 18.35 0
1035 -62.3 221.7 9487 -56.96 802.1 853.4 -29.46 525.5 -80.6 0
22.7 -64.91 105.7 -56.96 1183 76 181.3 8.214 750.8 8.203 0
132.5 109.2 -479.9 802.1 76 10080 363 -27.17 3103 28.17 0
175.2 133.2 676.3 853.4 181.3 363 3754 -19.02 15.03 21.49 0
-3.501 -2.291 -1.811 -29.46 8.214 -27.17 -19.02 63.34 -17.57 -5.916 0
970.9 -345.1 293 525.5 750.8 3103 15.03 -17.57 60140 206.4 0
-19.54 -61 18.35 -80.6 8.203 28.17 21.49 -5.916 206.4 196.7 0
0 0 0 0 0 0 0 0 0 0 48.33

m26

3

```
73.15 15.41 14.39 135.8 97.16 127.2 46.68 0 493.3 12.77 8.3
59.61 26.69 24.92 40.46 87.29 81.65 80.86 0 64.1 8.313 6.952
3553 -1384 -1292 -957.5 4824 2896 -4193 0 982 322.6 0
-1384 712.3 665.1 -116.6 -1447 -263.7 2158 0 432.9 -42.6 0
-1292 665.1 621.1 -108.9 -1351 -246.2 2015 0 404.2 -39.78 0
-957.5 -116.6 -108.9 1637 -2518 -3218 -353.3 0 -2565 -321.2 0
4824 -1447 -1351 -2518 7620 6080 -4383 0 3369 645.1 0
2896 -263.7 -246.2 -3218 6080 6667 -798.8 0 4868 676.7 0
-4193 2158 2015 -353.3 -4383 -798.8 6538 0 1311 -129 0
0 0 0 0 0 0 0 0 0 0 0
982 432.9 404.2 -2565 3369 4868 1311 0 4109 480.1 0
322.6 -42.6 -39.78 -321.2 645.1 676.7 -129 0 480.1 69.1 0
0 0 0 0 0 0 0 0 0 0 48.33
```

B.3 FALL 1945

m1

28

```
21.25 7.543 0 110.7 6.355 82.91 93.28 0 1007 1.205 6.956
33.23 16.18 0 109.2 14.74 90.39 106.9 0 581.1 4.444 5.826
1104 262.8 0 -558.8 123.9 -330.4 -71.01 0 5425 -3.544 0
262.8 261.6 0 362.1 51.28 -232.5 76.05 0 1645 -4.96 0
0 0 0 0 0 0 0 0 0 0 0
-558.8 362.1 0 11930 40.25 -1254 7305 0 16370 -36.89 0
123.9 51.28 0 40.25 217.4 338.5 -121.3 0 762.5 -4.391 0
-330.4 -232.5 0 -1254 338.5 8171 1149 0 -5095 80.35 0
-71.01 76.05 0 7305 -121.3 1149 11420 0 18940 -25.65 0
0 0 0 0 0 0 0 0 0 0 0
5425 1645 0 16370 762.5 -5095 18940 0 3.376E+005 69.73 0
-3.544 -4.96 0 -36.89 -4.391 80.35 -25.65 0 69.73 19.75 0
0 0 0 0 0 0 0 0 0 0 33.94
```

m2

164

```
70.93 8.478 13.25 132.4 29.08 233.9 82.5 0.05535 739.2 3.787 6.956
55.73 11.76 30.11 108.3 32.7 128.3 119.1 0.5535 385.1 6.851 5.826
3106 -47.2 -105.7 1412 140.3 -364.6 -33.2 -1.357 2984 -9.163 0
-47.2 138.4 -24.79 122.2 -8.847 -138.8 -169.6 0.4688 308.1 -2.256 0
-105.7 -24.79 906.5 241.2 33.48 583.2 -143.5 3.316 -139.2 0.6188 0
1412 122.2 241.2 11720 -513.3 222.2 77.39 -1.738 6796 80.09 0
140.3 -8.847 33.48 -513.3 1069 -557.9 -354.6 2.317 -327.5 -31.36 0
-364.6 -138.8 583.2 222.2 -557.9 16460 932.3 0.639 -2668 -12.3 0
-33.2 -169.6 -143.5 77.39 -354.6 932.3 14200 -4.683 1055 170.6 0
-1.357 0.4688 3.316 -1.738 2.317 0.639 -4.683 0.3064 30.06 0.1289 0
2984 308.1 -139.2 6796 -327.5 -2668 1055 30.06 1.483E+005 -36.94 0
-9.163 -2.256 0.6188 80.09 -31.36 -12.3 170.6 0.1289 -36.94 46.93 0
0 0 0 0 0 0 0 0 0 0 33.94
```

m3

217

103 10.57 31.86 207.4 21.66 307.2 101.7 0.6435 873 3.999 6.956
66.14 13.51 47.31 142.5 32.34 144 114.5 5.591 388.1 7.284 5.826
4375 -99.21 450.6 2319 263.1 1086 818 -37.35 1643 44.8 0
-99.21 182.6 30.68 65.48 18.35 -223.8 -168.7 -1.435 62.93 -3.838 0
450.6 30.68 2238 1261 151.4 1151 926.4 32.27 1175 5.858 0
2319 65.48 1261 20310 18.43 2155 1306 -24.7 9900 119.4 0
263.1 18.35 151.4 18.43 1046 153.7 218.5 13.2 1393 11.78 0
1086 -223.8 1151 2155 153.7 20740 2177 -53.14 9837 -61.89 0
818 -168.7 926.4 1306 218.5 2177 13110 223.4 9066 15.85 0
-37.35 -1.435 32.27 -24.7 13.2 -53.14 223.4 31.25 -56.41 -2.199 0
1643 62.93 1175 9900 1393 9837 9066 -56.41 1.506E+005 -59.36 0
44.8 -3.838 5.858 119.4 11.78 -61.89 15.85 -2.199 -59.36 53.05 0
0 0 0 0 0 0 0 0 0 0 33.94

m4

267

130.7 13.25 41.26 259.4 26.98 365.5 98.71 0.429 1002 4.011 6.956
74.1 17.31 58.06 178.8 35.9 184 119.5 3.93 467.5 7.733 5.826
5490 -197.5 4.302 2278 61.18 -354.4 -460.4 -35.82 1663 -76.21 0
-197.5 299.6 29.14 476.5 -21.75 95.53 -18.61 -0.2721 1659 -19.41 0
4.302 29.14 3371 1920 406.4 2168 291.3 3.651 2470 -1.347 0
2278 476.5 1920 31960 706 1513 320.4 -54.1 26160 -62.21 0
61.18 -21.75 406.4 706 1289 640.7 -158.7 -6.349 822.4 13.6 0
-354.4 95.53 2168 1513 640.7 33850 1627 -52.06 12300 61.18 0
-460.4 -18.61 291.3 320.4 -158.7 1627 14280 31.93 2681 40.65 0
-35.82 -0.2721 3.651 -54.1 -6.349 -52.06 31.93 15.44 45.93 -0.699 0
1663 1659 2470 26160 822.4 12300 2681 45.93 2.186E+005 -404.9 0
-76.21 -19.41 -1.347 -62.21 13.6 61.18 40.65 -0.699 -404.9 59.8 0
0 0 0 0 0 0 0 0 0 0 33.94

m5

189

170.7 13.84 54.83 284.7 41.75 406.7 96.62 1.162 1044 4.849 6.956
98.8 22.32 72.23 191.6 58.11 238.5 133.4 6.199 738.3 7.459 5.826
9761 -518.3 121.3 2897 -68.89 2475 316.3 -13.47 3720 18.42 0
-518.3 498.3 120.9 770 146.6 708.2 277 5.121 4796 9.991 0
121.3 120.9 5217 2478 348.3 2257 915.3 5.373 4053 15.62 0
2897 770 2478 36720 2929 3611 4832 -2.376 23200 183 0
-68.89 146.6 348.3 2929 3377 568.3 -93.02 -25.94 4033 104.5 0
2475 708.2 2257 3611 568.3 56900 8274 -63.59 52840 204.6 0
316.3 277 915.3 4832 -93.02 8274 17800 -20.68 16840 -16.92 0
-13.47 5.121 5.373 -2.376 -25.94 -63.59 -20.68 38.43 -260.9 -2.497 0
3720 4796 4053 23200 4033 52840 16840 -260.9 5.451E+005 468.1 0
18.42 9.991 15.62 183 104.5 204.6 -16.92 -2.497 468.1 55.64 0
0 0 0 0 0 0 0 0 0 0 33.94

m6

680

```
166.7 15.02 78.38 291.7 49.13 310.7 96.42 2.096 477.2 8.779 6.956
105.6 23.04 91.69 214.3 59.76 208.9 141.5 9.583 469.8 20.16 5.826
11150 -413.6 -164.6 4434 466.9 1477 -149.4 -43.5 297.6 95.76 0
-413.6 531 150 740.7 34.43 -130 140.2 -10.16 -75.78 -16.26 0
-164.6 150 8408 1709 224.7 -555.4 1077 18.45 1637 68.38 0
4434 740.7 1709 45920 1306 4834 3760 -63.66 10070 -17.28 0
466.9 34.43 224.7 1306 3572 -149.8 -329.8 -6.872 1151 60.23 0
1477 -130 -555.4 4834 -149.8 43620 2098 -130.1 17070 294.7 0
-149.4 140.2 1077 3760 -329.8 2098 20020 47.46 7844 -28.52 0
-43.5 -10.16 18.45 -63.66 -6.872 -130.1 47.46 91.83 -211.6 -0.1931 0
297.6 -75.78 1637 10070 1151 17070 7844 -211.6 2.207E+005 284.1 0
95.76 -16.26 68.38 -17.28 60.23 294.7 -28.52 -0.1931 284.1 406.2 0
0 0 0 0 0 0 0 0 0 0 33.94
```

m7

34

```
21.88 7.608 7.97 102.8 7.632 74.2 92.24 0 907.4 0 6.956
41.61 18.29 27.58 160 23.11 107.5 143.4 0 556.8 0 5.826
1731 303.6 293.7 2190 -51.91 3149 2548 0 5931 0 0
303.6 334.4 -24.71 260.4 60 344 508.7 0 254.5 0 0
293.7 -24.71 760.5 838.4 -62.44 -68.19 1523 0 2073 0 0
2190 260.4 838.4 25610 -573.1 5694 5806 0 32340 0 0
-51.91 60 -62.44 -573.1 533.9 320.4 -725.6 0 -334.5 0 0
3149 344 -68.19 5694 320.4 11560 3607 0 22270 0 0
2548 508.7 1523 5806 -725.6 3607 20560 0 -718.6 0 0
0 0 0 0 0 0 0 0 0 0 0
5931 254.5 2073 32340 -334.5 22270 -718.6 0 3.1E+005 0 0
0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 33.94
```

m8

144

```
62.59 7.833 13.28 148.4 34.72 211.9 69.23 0.08303 798.1 3.268 6.956
43.45 10.06 23.41 102.9 41.99 123.2 88.13 0.8372 430 6.54 5.826
1888 -33.2 -75.27 764.6 350.3 791.9 283.3 2.764 1625 -43.47 0
-33.2 101.1 23.31 61.05 24.07 30.96 95.71 -0.6398 237.8 -3.025 0
-75.27 23.31 548.2 253 -41.29 360.4 198.1 1.098 -432.9 24.35 0
764.6 61.05 253 10590 -34.57 1179 1696 -9.65 4381 -38.36 0
350.3 24.07 -41.29 -34.57 1763 -806.7 240.5 2.285 1065 0 0
791.9 30.96 360.4 1179 -806.7 15170 868.3 2.268 18110 -88.6 0
283.3 95.71 198.1 1696 240.5 868.3 7767 1.328 7428 2.306 0
2.764 -0.6398 1.098 -9.65 2.285 2.268 1.328 0.7009 7.561 0.2683 0
1625 237.8 -432.9 4381 1065 18110 7428 7.561 1.849E+005 -222.2 0
-43.47 -3.025 24.35 -38.36 0 -88.6 2.306 0.2683 -222.2 42.77 0
0 0 0 0 0 0 0 0 0 0 33.94
```


m9

224

87.35 11.12 35.39 194.2 26.7 288.6 90.92 0.3114 819.9 2.994 6.956
55.36 16.08 51.7 135.1 32.04 152 99 2.567 376.2 4.967 5.826
3065 -181.6 100.2 1609 106.4 -808 21.92 8.527 1312 -14.3 0
-181.6 258.5 -38.24 -267.3 18.55 -87.99 -195.8 3.384 -217.7 -0.8785 0
100.2 -38.24 2673 1964 101.1 1525 573.3 0.5309 175.1 -8.732 0
1609 -267.3 1964 18260 -77.95 1623 -521.8 -18.04 13270 -54.38 0
106.4 18.55 101.1 -77.95 1027 -34.1 260.1 -0.658 -494.2 47.11 0
-808 -87.99 1525 1623 -34.1 23110 1339 23.02 8808 49.09 0
21.92 -195.8 573.3 -521.8 260.1 1339 9800 -12.96 7039 12.79 0
8.527 3.384 0.5309 -18.04 -0.658 23.02 -12.96 6.589 18.35 -0.5738 0
1312 -217.7 175.1 13270 -494.2 8808 7039 18.35 1.415E+005 -136.4 0
-14.3 -0.8785 -8.732 -54.38 47.11 49.09 12.79 -0.5738 -136.4 24.67 0
0 0 0 0 0 0 0 0 0 0 33.94

m10

269

113.1 9.288 43.86 214.8 25.11 303.9 97.8 0.4843 807.2 3.73 6.956
61.08 13.14 59.22 165 35 163.6 127.4 2.996 379.7 6.977 5.826
3731 -141.3 770.5 3236 284.3 949.2 754.6 16.1 3084 -18.33 0
-141.3 172.7 37.36 97.6 -27.14 -202.1 71.99 -0.5513 -44.91 2.017 0
770.5 37.36 3507 2404 246.7 823.5 399.8 1.242 1417 15.7 0
3236 97.6 2404 27230 231 2025 1829 -42.02 14470 -27.63 0
284.3 -27.14 246.7 231 1225 -561.1 392.3 -6.502 -239.2 24.18 0
949.2 -202.1 823.5 2025 -561.1 26760 -333.4 64.2 9937 -6.848 0
754.6 71.99 399.8 1829 392.3 -333.4 16220 -22.13 1644 36.44 0
16.1 -0.5513 1.242 -42.02 -6.502 64.2 -22.13 8.976 35.26 -0.6062 0
3084 -44.91 1417 14470 -239.2 9937 1644 35.26 1.441E+005 188.1 0
-18.33 2.017 15.7 -27.63 24.18 -6.848 36.44 -0.6062 188.1 48.68 0
0 0 0 0 0 0 0 0 0 0 33.94

m11

213

117.9 11.81 43.8 205.4 25.69 260.2 70.72 0.4636 583.6 4.587 6.956
75.44 16.53 61.31 167.2 40.21 162.5 106.4 4.311 398.3 8.288 5.826
5691 -234.4 952.7 3571 60.66 1005 1132 -28.94 2855 -24.39 0
-234.4 273.1 -21.28 27.64 89.04 -273.9 117.8 -4.773 -467.4 -13.56 0
952.7 -21.28 3758 1118 184.9 -149.4 123.9 12.68 1319 87.91 0
3571 27.64 1118 27970 894.4 2962 1406 1.442 6262 -115.1 0
60.66 89.04 184.9 894.4 1617 431.1 -166.9 -11.27 1650 17.66 0
1005 -273.9 -149.4 2962 431.1 26390 -881.6 -45.52 9254 -2.693 0
1132 117.8 123.9 1406 -166.9 -881.6 11320 -26.6 6908 66.15 0
-28.94 -4.773 12.68 1.442 -11.27 -45.52 -26.6 18.58 -99.58 0.1072 0
2855 -467.4 1319 6262 1650 9254 6908 -99.58 1.587E+005 59.43 0
-24.39 -13.56 87.91 -115.1 17.66 -2.693 66.15 0.1072 59.43 68.7 0
0 0 0 0 0 0 0 0 0 0 33.94

m12

1144

105.2 13.45 71.71 217.3 32.56 216.9 85.62 2.214 337.1 7.214 6.956
74.94 20.18 85.2 154.6 44.29 155 127.4 11.98 322.1 12.95 5.826
5616 -314.6 140.5 985 199.2 290.3 -601.6 -44.01 -748.4 -19.41 0
-314.6 407.3 55.02 6.241 -2.681 -203.3 110.6 -4.595 -253.5 -14.37 0
140.5 55.02 7259 1370 358.5 -250.9 1628 28.59 109.8 35.31 0
985 6.241 1370 23910 897.2 1270 1320 -5.559 4583 80.09 0
199.2 -2.681 358.5 897.2 1962 212.8 -197.5 -11.68 371 6.309 0
290.3 -203.3 -250.9 1270 212.8 24020 296.2 -105.9 8637 100.3 0
-601.6 110.6 1628 1320 -197.5 296.2 16240 -79.4 2463 339.9 0
-44.01 -4.595 28.59 -5.559 -11.68 -105.9 -79.4 143.6 -84.93 5.121 0
-748.4 -253.5 109.8 4583 371 8637 2463 -84.93 1.038E+005 337.9 0
-19.41 -14.37 35.31 80.09 6.309 100.3 339.9 5.121 337.9 167.7 0
0 0 0 0 0 0 0 0 0 0 33.94

m13

9

91.01 11.97 66.28 251.3 35.65 328.7 87.33 1.315 713.1 5.376 6.956
55.19 12.81 69.07 182.9 57.48 307.2 125.2 3.944 465.6 8.864 5.826
3046 -32.53 -964.5 5995 -574.2 4950 311.1 -105.4 14700 -181.5 0
-32.53 164.1 525.6 -30.45 -123.7 -2125 -497.4 17.53 1121 37.02 0
-964.5 525.6 4771 480 1993 -10500 -5580 226.1 -8940 -38.57 0
5995 -30.45 480 33440 1682 -7639 -8314 -279.1 -14390 -1.621 0
-574.2 -123.7 1993 1682 3304 1289 -2462 124.4 -15150 -172.2 0
4950 -2125 -10500 -7639 1289 94340 10620 -265.3 19160 -893.1 0
311.1 -497.4 -5580 -8314 -2462 10620 15690 -128.9 21980 -144.3 0
-105.4 17.53 226.1 -279.1 124.4 -265.3 -128.9 15.55 -594.9 -3.671 0
14700 1121 -8940 -14390 -15150 19160 21980 -594.9 2.167E+005 -1849 0
-181.5 37.02 -38.57 -1.621 -172.2 -893.1 -144.3 -3.671 -1849 78.58 0
0 0 0 0 0 0 0 0 0 0 33.94

m14

14

18.36 6.055 2.967 107.9 12.7 57.14 121.8 0 873.9 1.785 6.956
33.08 10.06 11.08 142.2 27.3 60.06 141.6 0 597.1 4.91 5.826
1094 102.2 34.44 668 -90.3 1798 2060 0 -19.75 32.16 0
102.2 101.3 8.584 34.36 -51.38 256.9 233.7 0 2584 -11.61 0
34.44 8.584 122.7 315.1 108.6 -58.54 58.02 0 -416.7 -5.711 0
668 34.36 315.1 20230 3351 1930 5799 0 15030 602.7 0
-90.3 -51.38 108.6 3351 745.3 -132.8 1291 0 2087 95.04 0
1798 256.9 -58.54 1930 -132.8 3607 4956 0 1219 77.55 0
2060 233.7 58.02 5799 1291 4956 20040 0 12760 116.1 0
0 0 0 0 0 0 0 0 0 0 0
-19.75 2584 -416.7 15030 2087 1219 12760 0 3.565E+005 -93.82 0
32.16 -11.61 -5.711 602.7 95.04 77.55 116.1 0 -93.82 24.11 0
0 0 0 0 0 0 0 0 0 0 33.94

m15

77

73.58 4.88 7.302 161.3 21.25 216.2 84.11 0.2283 734.7 3.701 6.956
48.95 8.703 15.18 191.8 25.29 99.12 115.6 1.571 377.6 6.895 5.826
2397 -75.84 -19.32 1502 -111.4 -63.08 -1098 0.5382 591.6 -0.6751 0
-75.84 75.74 17.44 -128.5 -13.21 -199.3 -86.55 0.7108 151.2 3.001 0
-19.32 17.44 230.4 576.3 23.42 326.5 698.6 -0.02384 -429.9 4.187 0
1502 -128.5 576.3 36770 1324 3897 110.9 -1.506 4417 -142.8 0
-111.4 -13.21 23.42 1324 639.8 5.014 -544.1 5.323 1824 11.16 0
-63.08 -199.3 326.5 3897 5.014 9825 3038 7.473 561.5 -97.74 0
-1098 -86.55 698.6 110.9 -544.1 3038 13370 -10.35 -10570 70.97 0
0.5382 0.7108 -0.02384 -1.506 5.323 7.473 -10.35 2.467 -137.6 2.675 0
591.6 151.2 -429.9 4417 1824 561.5 -10570 -137.6 1.426E+005 -119.8 0
-0.6751 3.001 4.187 -142.8 11.16 -97.74 70.97 2.675 -119.8 47.55 0
0 0 0 0 0 0 0 0 0 0 33.94

m16

89

96.48 11.05 18.47 222.9 25.13 325.7 76.14 0.06227 970.1 4.199 6.956
57.78 14.7 29.43 155.2 33.99 135.9 94.68 0.5881 404.4 6.945 5.826
3339 -22.08 197.2 1148 -255.3 1664 -175.1 -1.189 584.2 22.47 0
-22.08 216 78.27 892.1 -17.49 71.89 -37.57 -0.7001 1849 16.13 0
197.2 78.27 865.8 1041 -25.01 643.7 487.5 -0.2596 2035 28.61 0
1148 892.1 1041 24100 -10.55 2552 925.9 -4.565 19970 132.6 0
-255.3 -17.49 -25.01 -10.55 1155 -115.5 -9.655 -1.579 412.4 46.27 0
1664 71.89 643.7 2552 -115.5 18460 849 -9.829 11320 -62.28 0
-175.1 -37.57 487.5 925.9 -9.655 849 8964 -4.287 5016 91.39 0
-1.189 -0.7001 -0.2596 -4.565 -1.579 -9.829 -4.287 0.3459 48.05 1.033 0
584.2 1849 2035 19970 412.4 11320 5016 48.05 1.636E+005 1039 0
22.47 16.13 28.61 132.6 46.27 -62.28 91.39 1.033 1039 48.23 0
0 0 0 0 0 0 0 0 0 0 33.94

m17

113

125.4 16.77 29.15 303.3 25.73 380.4 117.2 0.6919 1032 3.297 6.956
72.74 22.3 39.94 243.1 38.12 198.4 145.1 5.293 556.2 5.409 5.826
5292 -53.53 -296.4 3944 -535.1 -1385 2237 26.95 -1092 -6.295 0
-53.53 497.3 -27.61 471.7 -160.7 -26.54 501.4 -3.069 3113 20.99 0
-296.4 -27.61 1595 1806 94.4 1696 567.8 -10.36 5376 17.93 0
3944 471.7 1806 59100 -1195 10420 1446 -28.31 27990 -15.78 0
-535.1 -160.7 94.4 -1195 1453 -423.4 -425.8 -17.96 -4282 -17.32 0
-1385 -26.54 1696 10420 -423.4 39350 1669 -88.19 15440 151.3 0
2237 501.4 567.8 1446 -425.8 1669 21040 -28.41 12990 80.03 0
26.95 -3.069 -10.36 -28.31 -17.96 -88.19 -28.41 28.02 288.5 -1.231 0
-1092 3113 5376 27990 -4282 15440 12990 288.5 3.093E+005 523.4 0
-6.295 20.99 17.93 -15.78 -17.32 151.3 80.03 -1.231 523.4 29.25 0
0 0 0 0 0 0 0 0 0 0 33.94

m18

74

170.5 15.97 30.57 357.7 33.39 426.1 115 0.2352 1099 4.861 6.956
112.7 31.01 50.6 262.6 42.79 230.6 204.9 2.013 724.1 9.142 5.826
12710 -402 -154 2161 -183.3 77.98 -1987 10.21 -3021 39.17 0
-402 961.5 40.79 -1083 -18.57 -114.4 -292.3 1.686 -3413 2.551 0
-154 40.79 2560 -172.8 -75.78 1575 72.58 1.223 -476.3 18.04 0
2161 -1083 -172.8 68970 -22.47 -7508 12590 9.518 31760 391.4 0
-183.3 -18.57 -75.78 -22.47 1831 680.7 -403.3 -7.926 2262 35.21 0
77.98 -114.4 1575 -7508 680.7 53160 1228 -9.284 15030 364.7 0
-1987 -292.3 72.58 12590 -403.3 1228 41990 40.85 21220 16.86 0
10.21 1.686 1.223 9.518 -7.926 -9.284 40.85 4.054 42.28 7.878 0
-3021 -3413 -476.3 31760 2262 15030 21220 42.28 5.244E+005 370.7 0
39.17 2.551 18.04 391.4 35.21 364.7 16.86 7.878 370.7 83.58 0
0 0 0 0 0 0 0 0 0 0 33.94

m19

263

172.3 15.28 55.32 307.6 46.76 332.9 109.6 1.813 578.1 8.967 6.956
122.7 26.79 75.83 223.6 62.58 206.6 159.6 9.507 484.9 15.95 5.826
15050 -397.7 632.6 3841 606.6 3472 -1586 -90.98 2975 -215.2 0
-397.7 717.6 46.72 -53.92 -124.1 193.7 -55.57 36.42 662.5 -20.93 0
632.6 46.72 5750 1492 -526.8 -1097 931.8 38.21 625.1 67.72 0
3841 -53.92 1492 50020 -433.9 1432 5853 -48.9 3796 128.4 0
606.6 -124.1 -526.8 -433.9 3917 801.5 -39.95 -47.6 -2701 -21.96 0
3472 193.7 -1097 1432 801.5 42670 4648 -198.3 21340 230.6 0
-1586 -55.57 931.8 5853 -39.95 4648 25470 -78.89 -5649 475.9 0
-90.98 36.42 38.21 -48.9 -47.6 -198.3 -78.89 90.38 -230.5 -5.761 0
2975 662.5 625.1 3796 -2701 21340 -5649 -230.5 2.351E+005 -355.7 0
-215.2 -20.93 67.72 128.4 -21.96 230.6 475.9 -5.761 -355.7 254.3 0
0 0 0 0 0 0 0 0 0 0 33.94

m20

20

14.39 11.81 0 81.32 2.708 83.46 79.06 0 899.3 1.25 6.956
33.97 29.68 0 121.7 10.51 124.2 106.3 0 510.1 4.154 5.826
1154 793.5 0 835.3 196.3 1739 2297 0 849 1.411 0
793.5 881.1 0 -65.05 221.1 1649 1079 0 -605.7 -15.54 0
0 0 0 0 0 0 0 0 0 0 0
835.3 -65.05 0 14820 166.3 6807 4297 0 16830 390.4 0
196.3 221.1 0 166.3 110.4 -32.64 136.3 0 -407.4 -3.58 0
1739 1649 0 6807 -32.64 15440 3474 0 15080 250.9 0
2297 1079 0 4297 136.3 3474 11300 0 21210 -9.276 0
0 0 0 0 0 0 0 0 0 0 0
849 -605.7 0 16830 -407.4 15080 21210 0 2.602E+005 235.2 0
1.411 -15.54 0 390.4 -3.58 250.9 -9.276 0 235.2 17.26 0
0 0 0 0 0 0 0 0 0 0 33.94

m21

55

64.71 6.19 6.447 129.8 21.45 199.9 78.11 0.08303 644.4 2.349 6.956
57.5 9.124 15.6 101.8 29.29 111.8 85.62 0.4428 363.5 4.306 5.826
3307 -122.8 27.8 2452 358.8 -687.7 172.3 -4.431 -1108 -51.5 0
-122.8 83.25 24.19 40.85 -5.078 -163.2 33.59 0.2465 -852.4 -3.261 0
27.8 24.19 243.3 -7.936 25.13 -106.3 -48.08 -0.5457 -720.1 -6.111 0
2452 40.85 -7.936 10360 -140.1 796.2 -784.2 -7.21 -2515 -84.12 0
358.8 -5.078 25.13 -140.1 858.1 -127.7 117.9 0.1686 532.4 10.09 0
-687.7 -163.2 -106.3 796.2 -127.7 12490 1617 -4.355 2478 51.97 0
172.3 33.59 -48.08 -784.2 117.9 1617 7331 -0.7962 -155.6 -30.23 0
-4.431 0.2465 -0.5457 -7.21 0.1686 -4.355 -0.7962 0.1961 -19.48 -0.00572 0

-1108 -852.4 -720.1 -2515 532.4 2478 -155.6 -19.48 1.321E+005 -40.69 0
-51.5 -3.261 -6.111 -84.12 10.09 51.97 -30.23 -0.00572 -40.69 18.54 0
0 0 0 0 0 0 0 0 0 0 33.94

m22

87

93.31 8.095 23.69 222.9 17 296.8 123.8 0.3875 966.6 5.102 6.956
68.92 14.22 31.49 145.6 27.4 141.1 134.7 2.435 424.7 9.273 5.826
4750 -64.7 -134.6 3371 232.3 116.7 1402 -5.875 6322 -23.01 0
-64.7 202.3 -30.91 439 -44.82 -6.022 -180.1 -2.979 924.2 -12.93 0
-134.6 -30.91 991.7 -449.3 115.6 -551.1 517.4 -1.457 -535 54.9 0
3371 439 -449.3 21190 442.7 3349 3039 0.3545 7851 6.749 0
232.3 -44.82 115.6 442.7 750.7 576.1 -250.9 3.403 -942.5 18.29 0
116.7 -6.022 -551.1 3349 576.1 19920 722.3 -34.72 7372 9.161 0
1402 -180.1 517.4 3039 -250.9 722.3 18140 -42.64 -343.2 134.9 0
-5.875 -2.979 -1.457 0.3545 3.403 -34.72 -42.64 5.932 -72.4 6.911 0
6322 924.2 -535 7851 -942.5 7372 -343.2 -72.4 1.804E+005 59.07 0
-23.01 -12.93 54.9 6.749 18.29 9.161 134.9 6.911 59.07 85.99 0
0 0 0 0 0 0 0 0 0 0 33.94

m23

87

111 10.7 25.28 255.2 18.27 303.5 114.1 0.602 879.9 2.892 6.956
65.2 18.53 42.82 170.1 31.5 162.7 123.9 5.611 495.7 4.563 5.826
4251 -20.54 36.29 987.1 -119.1 -986.5 48.46 -2.927 6141 29.16 0
-20.54 343.3 83.3 857.3 -118.5 150.7 130.8 -6.55 2581 9.638 0
36.29 83.3 1833 3299 303.4 1184 991.8 -15.38 2292 -22.08 0
987.1 857.3 3299 28940 -573.2 -525.8 2760 89.72 25550 37.26 0
-119.1 -118.5 303.4 -573.2 991.9 174.2 507.2 -11.13 -1358 -17.25 0
-986.5 150.7 1184 -525.8 174.2 26470 4272 9.129 12340 -25.24 0
48.46 130.8 991.8 2760 507.2 4272 15340 23.63 16820 -14.13 0
-2.927 -6.55 -15.38 89.72 -11.13 9.129 23.63 31.49 -41.72 6.145 0
6141 2581 2292 25550 -1358 12340 16820 -41.72 2.457E+005 411.6 0
29.16 9.638 -22.08 37.26 -17.25 -25.24 -14.13 6.145 411.6 20.82 0
0 0 0 0 0 0 0 0 0 0 33.94

m24

108

104.8 8.366 33.74 225.8 21.1 239.9 57.66 1.695 776.2 4.244 6.956
80.7 15.05 51.53 188.9 33.63 147.6 94.84 12.52 494.3 8.636 5.826
6512 -126.3 -432.5 2424 455.9 714.7 -199 0 11170 -112.2 0
-126.3 226.4 49.63 -264.3 -47.57 -288.7 78.49 -14.32 -275.2 28.46 0
-432.5 49.63 2656 1957 357 -342.3 542.5 3.872 1325 75.65 0
2424 -264.3 1957 35680 971.8 -1171 3081 579.5 -280.1 86.45 0
455.9 -47.57 357 971.8 1131 431.8 92.49 43.38 4587 -3.194 0
714.7 -288.7 -342.3 -1171 431.8 21790 1778 208.9 17870 15.3 0
-199 78.49 542.5 3081 92.49 1778 8995 -98.58 7454 13.1 0
0 -14.32 3.872 579.5 43.38 208.9 -98.58 156.8 -786.1 9.733 0
11170 -275.2 1325 -280.1 4587 17870 7454 -786.1 2.443E+005 187.8 0
-112.2 28.46 75.65 86.45 -3.194 15.3 13.1 9.733 187.8 74.58 0
0 0 0 0 0 0 0 0 0 0 33.94

m25

461

101.4 11.02 54 217.2 25.67 231 98.12 0.8995 356.6 7.092 6.956
84.64 16.98 70.44 158.2 38.66 150.7 135 6.525 387.7 12.91 5.826
7164 -228.5 107.3 1326 -75.27 -1058 -936.7 -19.33 -328.2 -12.02 0
-228.5 288.2 -15.54 179.9 -78.1 -43.48 11.46 -3.655 -276.4 4.821 0
107.3 -15.54 4962 2061 92.6 -594.3 1388 25.28 -27.31 149.1 0
1326 179.9 2061 25020 330.3 2145 2541 24.77 3926 118.4 0
-75.27 -78.1 92.6 330.3 1495 262.1 370.5 10.09 1874 17.97 0
-1058 -43.48 -594.3 2145 262.1 22700 2176 -63.9 13030 -21.39 0
-936.7 11.46 1388 2541 370.5 2176 18220 -61.64 4605 245.6 0
-19.33 -3.655 25.28 24.77 10.09 -63.9 -61.64 42.57 -161.9 0.2527 0
-328.2 -276.4 -27.31 3926 1874 13030 4605 -161.9 1.503E+005 -30.03 0
-12.02 4.821 149.1 118.4 17.97 -21.39 245.6 0.2527 -30.03 166.6 0
0 0 0 0 0 0 0 0 0 0 33.94

m26

4

111.9 7.837 59.88 465 49.45 292 108.6 0 671.1 11.77 6.956
88.1 9.292 38.51 241.1 43.27 177 155.7 0 325.9 18.35 5.826
7762 470.7 2511 -19310 -1460 -13800 -12060 0 -13750 -1350 0
470.7 86.35 19.33 -1813 -303.5 -501.6 -680.2 0 -2271 -89.35 0
2511 19.33 1483 -5813 -516.6 -3905 -5435 0 -5233 -611.3 0
-19310 -1813 -5813 58130 7563 26790 33460 0 61910 3991 0
-1460 -303.5 -516.6 7563 1872 -620.2 4164 0 14000 566.1 0
-13800 -501.6 -3905 26790 -620.2 31320 16590 0 1153 1653 0
-12060 -680.2 -5435 33460 4164 16590 24260 0 35980 2835 0
0 0 0 0 0 0 0 0 0 0 0
-13750 -2271 -5233 61910 14000 1153 35980 0 1.062E+005 4736 0
-1350 -89.35 -611.3 3991 566.1 1653 2835 0 4736 336.7 0
0 0 0 0 0 0 0 0 0 0 33.94

B.4 FALL 1965

m1

28

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22.38 12.22  0 71.66 5.226 59.4 60.49  0 761.9 1.727 8.3
35 26.2  0 70.69 12.12 64.76 69.29  0 439.8 6.369 6.952
1225 448.3  0 -381 107.3 -249.3 -48.49  0 4325 -5.349  0
448.3 686.3  0 379.6 68.29 -269.8 79.86  0 2016 -11.51  0
  0  0  0  0  0  0  0  0  0  0  0
-381 379.6  0 4997 21.43 -581.4 3066  0 8021 -34.22  0
107.3 68.29  0 21.43 147 199.4 -64.68  0 474.6 -5.174  0
-249.3 -269.8  0 -581.4 199.4 4194 534  0 -2763 82.49  0
-48.49 79.86  0 3066 -64.68 534 4801  0 9294 -23.83  0
  0  0  0  0  0  0  0  0  0  0  0
4325 2016  0 8021 474.6 -2763 9294  0 1.934E+005 75.63  0
-5.349 -11.51  0 -34.22 -5.174 82.49 -23.83  0 75.63 40.57  0
  0  0  0  0  0  0  0  0  0  0  48.33

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m2

164

```

74.71 13.73 8.579 85.71 23.91 167.6 53.49 0.06605 559.5 5.427 8.3
58.7 19.05 19.49 70.08 26.89 91.91 77.26 0.6605 291.5 9.817 6.952
3445 -80.51 -72.07 962.5 121.5 -275.1 -22.67 -1.706 2378 -13.83  0
-80.51 362.9 -25.99 128.2 -11.78 -161.1 -178.1 0.906 377.6 -5.237  0
-72.07 -25.99 379.9 101.1 17.82 270.5 -60.23 2.562 -68.18 0.574  0
962.5 128.2 101.1 4911 -273.2 103 32.48 -1.342 3330 74.3  0
121.5 -11.78 17.82 -273.2 723.1 -328.7 -189.1 2.273 -203.8 -36.96  0
-275.1 -161.1 270.5 103 -328.7 8447 433.1 0.5463 -1447 -12.63  0
-22.67 -178.1 -60.23 32.48 -189.1 433.1 5969 -3.623 518 158.5  0
-1.706 0.906 2.562 -1.342 2.273 0.5463 -3.623 0.4362 27.15 0.2205  0
2378 377.6 -68.18 3330 -203.8 -1447 518 27.15 84980 -40.07  0
-13.83 -5.237 0.574 74.3 -36.96 -12.63 158.5 0.2205 -40.07 96.38  0
  0  0  0  0  0  0  0  0  0  0  48.33

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m3

217

```

108.5 17.11 20.63 134.3 17.81 220.1 65.94 0.7678 660.7 5.731 8.3
69.66 21.89 30.62 92.25 26.59 103.2 74.25 6.671 293.7 10.44 6.952
4853 -169.2 307.2 1581 227.8 819.4 558.7 -46.94 1310 67.62  0
-169.2 479 32.17 68.65 24.44 -259.7 -177.1 -2.774 77.14 -8.909  0
307.2 32.17 937.8 528.3 80.62 534 388.8 24.92 575.7 5.434  0
1581 68.65 528.3 8511 9.812 999.4 548 -19.08 4851 110.7  0
227.8 24.44 80.62 9.812 707.1 90.54 116.5 12.95 867 13.88  0
819.4 -259.7 534 999.4 90.54 10650 1011 -45.43 5334 -63.54  0
558.7 -177.1 388.8 548 116.5 1011 5513 172.9 4449 14.73  0
-46.94 -2.774 24.92 -19.08 12.95 -45.43 172.9 44.5 -50.95 -3.76  0
1310 77.14 575.7 4851 867 5334 4449 -50.95 86280 -64.38  0
67.62 -8.909 5.434 110.7 13.88 -63.54 14.73 -3.76 -64.38 108.9  0
  0  0  0  0  0  0  0  0  0  0  48.33

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m4

267

137.7 21.46 26.71 167.9 22.18 261.8 64.01 0.5119 758.1 5.749 8.3
78.04 28.03 37.58 115.7 29.52 131.8 77.47 4.689 353.9 11.08 6.952
6090 -336.9 2.933 1553 52.99 -267.5 -314.4 -45.01 1326 -115 0
-336.9 785.7 30.55 499.6 -28.96 110.8 -19.54 -0.5258 2033 -45.04 0
2.933 30.55 1412 804.6 216.3 1006 122.3 2.82 1210 -1.249 0
1553 499.6 804.6 13390 375.8 701.7 134.5 -41.79 12820 -57.71 0
52.99 -28.96 216.3 375.8 871.5 377.5 -84.62 -6.23 511.9 16.03 0
-267.5 110.8 1006 701.7 377.5 17380 755.7 -44.51 6670 62.81 0
-314.4 -19.54 122.3 134.5 -84.62 755.7 6002 24.7 1316 37.78 0
-45.01 -0.5258 2.82 -41.79 -6.23 -44.51 24.7 21.99 41.49 -1.195 0
1326 2033 1210 12820 511.9 6670 1316 41.49 1.252E+005 -439.2 0
-115 -45.04 -1.249 -57.71 16.03 62.81 37.78 -1.195 -439.2 122.8 0
0 0 0 0 0 0 0 0 0 0 48.33

m5

189

179.8 22.41 35.49 184.3 34.33 291.4 62.65 1.387 790.2 6.949 8.3
104.1 36.15 46.75 124.1 47.78 170.9 86.5 7.397 558.8 10.69 6.952
10830 -884.1 82.71 1975 -59.67 1867 216 -16.93 2966 27.81 0
-884.1 1307 126.8 807.3 195.2 821.8 290.8 9.896 5880 23.19 0
82.71 126.8 2186 1038 185.4 1047 384.2 4.15 1986 14.49 0
1975 807.3 1038 15390 1559 1675 2028 -1.835 11370 169.7 0
-59.67 195.2 185.4 1559 2283 334.8 -49.6 -25.45 2510 123.1 0
1867 821.8 1047 1675 334.8 29210 3844 -54.36 28650 210.1 0
216 290.8 384.2 2028 -49.6 3844 7482 -16 8266 -15.72 0
-16.93 9.896 4.15 -1.835 -25.45 -54.36 -16 54.72 -235.6 -4.27 0
2966 5880 1986 11370 2510 28650 8266 -235.6 3.123E+005 507.8 0
27.81 23.19 14.49 169.7 123.1 210.1 -15.72 -4.27 507.8 114.3 0
0 0 0 0 0 0 0 0 0 0 48.33

m6

680

175.5 24.33 50.74 188.9 40.4 222.6 62.52 2.502 361.2 12.58 8.3
111.2 37.32 59.36 138.7 49.14 149.6 91.75 11.43 355.6 28.88 6.952
12360 -705.5 -112.2 3023 404.4 1115 -102 -54.67 237.2 144.5 0
-705.5 1393 157.3 776.6 45.85 -150.8 147.2 -19.63 -92.9 -37.73 0
-112.2 157.3 3523 716.3 119.6 -257.6 452 14.25 802 63.43 0
3023 776.6 716.3 19240 695.3 2242 1578 -49.17 4932 -16.03 0
404.4 45.85 119.6 695.3 2415 -88.25 -175.8 -6.743 716.4 70.97 0
1115 -150.8 -257.6 2242 -88.25 22390 974.8 -111.2 9258 302.6 0
-102 147.2 452 1578 -175.8 974.8 8417 36.72 3849 -26.5 0
-54.67 -19.63 14.25 -49.17 -6.743 -111.2 36.72 130.7 -191.1 -0.3303 0
237.2 -92.9 802 4932 716.4 9258 3849 -191.1 1.264E+005 308.1 0
144.5 -37.73 63.43 -16.03 70.97 302.6 -26.5 -0.3303 308.1 834.3 0
0 0 0 0 0 0 0 0 0 0 48.33

m7

34

```
23.05 12.32 5.159 66.57 6.276 53.16 59.81 0 686.8 0 8.3
43.82 29.61 17.85 103.6 19 77.02 92.98 0 421.4 0 6.952
1920 517.8 200.3 1493 -44.96 2376 1740 0 4728 0 0
517.8 877 -25.9 273 79.9 399.2 534.2 0 312 0 0
200.3 -25.9 318.7 351.3 -33.24 -31.62 639.1 0 1016 0 0
1493 273 351.3 10730 -305.1 2641 2437 0 15850 0 0
-44.96 79.9 -33.24 -305.1 361 188.8 -386.9 0 -208.2 0 0
2376 399.2 -31.62 2641 188.8 5932 1676 0 12070 0 0
1740 534.2 639.1 2437 -386.9 1676 8646 0 -352.7 0 0
0 0 0 0 0 0 0 0 0 0 0
4728 312 1016 15850 -208.2 12070 -352.7 0 1.776E+005 0 0
0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 48.33
```

m8

144

```
65.92 12.69 8.599 96.06 28.55 151.8 44.89 0.09907 604.1 4.683 8.3
45.76 16.29 15.16 66.62 34.53 88.23 57.15 0.999 325.5 9.372 6.952
2094 -56.63 -51.32 521.3 303.3 597.5 193.5 3.474 1296 -65.62 0
-56.63 265.2 24.43 64.01 32.05 35.92 100.5 -1.236 291.5 -7.021 0
-51.32 24.43 229.7 106 -21.98 167.2 83.15 0.8479 -212.1 22.59 0
521.3 64.01 106 4438 -18.4 546.6 711.9 -7.454 2147 -35.59 0
303.3 32.05 -21.98 -18.4 1192 -475.2 128.3 2.242 663.1 0 0
597.5 35.92 167.2 546.6 -475.2 7785 403.4 1.939 9822 -90.96 0
193.5 100.5 83.15 711.9 128.3 403.4 3266 1.028 3646 2.142 0
3.474 -1.236 0.8479 -7.454 2.242 1.939 1.028 0.998 6.828 0.4588 0
1296 291.5 -212.1 2147 663.1 9822 3646 6.828 1.059E+005 -241 0
-65.62 -7.021 22.59 -35.59 0 -90.96 2.142 0.4588 -241 87.84 0
0 0 0 0 0 0 0 0 0 0 48.33
```

m9

224

```
92 18.01 22.91 125.7 21.95 206.8 58.96 0.3715 620.6 4.291 8.3
58.31 26.04 33.47 87.49 26.35 108.9 64.19 3.063 284.7 7.118 6.952
3400 -309.7 68.3 1097 92.18 -609.7 14.97 10.72 1046 -21.58 0
-309.7 678 -40.09 -280.2 24.7 -102.1 -205.6 6.54 -266.9 -2.039 0
68.3 -40.09 1120 822.8 53.79 707.2 240.6 0.4101 85.77 -8.101 0
1097 -280.2 822.8 7654 -41.49 752.8 -219 -13.93 6502 -50.44 0
92.18 24.7 53.79 -41.49 694.2 -20.09 138.7 -0.6456 -307.6 55.52 0
-609.7 -102.1 707.2 752.8 -20.09 11860 622.3 19.68 4776 50.4 0
14.97 -205.6 240.6 -219 138.7 622.3 4120 -10.03 3454 11.88 0
10.72 6.54 0.4101 -13.93 -0.6456 19.68 -10.03 9.382 16.57 -0.9812 0
1046 -266.9 85.77 6502 -307.6 4776 3454 16.57 81080 -148 0
-21.58 -2.039 -8.101 -50.44 55.52 50.4 11.88 -0.9812 -148 50.67 0
0 0 0 0 0 0 0 0 0 0 48.33
```

m10

269

119.1 15.04 28.39 139.1 20.65 217.7 63.42 0.5779 611 5.345 8.3
64.33 21.29 38.34 106.8 28.78 117.2 82.59 3.575 287.4 9.999 6.952
4139 -241 525.3 2206 246.3 716.3 515.4 20.24 2459 -27.66 0
-241 453.1 39.17 102.3 -36.15 -234.5 75.6 -1.065 -55.05 4.682 0
525.3 39.17 1470 1007 131.3 381.9 167.8 0.9593 694 14.57 0
2206 102.3 1007 11410 123 939 767.6 -32.46 7091 -25.63 0
246.3 -36.15 131.3 123 828.4 -330.6 209.2 -6.379 -148.9 28.49 0
716.3 -234.5 381.9 939 -330.6 13740 -154.9 54.88 5389 -7.031 0
515.4 75.6 167.8 767.6 209.2 -154.9 6821 -17.12 806.9 33.86 0
20.24 -1.065 0.9593 -32.46 -6.379 54.88 -17.12 12.78 31.85 -1.037 0
2459 -55.05 694 7091 -148.9 5389 806.9 31.85 82580 204 0
-27.66 4.682 14.57 -25.63 28.49 -7.031 33.86 -1.037 204 99.97 0
0 0 0 0 0 0 0 0 0 0 48.33

m11

213

124.2 19.12 28.35 132.9 21.12 186.4 45.86 0.5532 441.7 6.574 8.3
79.45 26.77 39.68 108.3 33.06 116.4 69 5.143 301.5 11.88 6.952
6313 -399.8 649.5 2434 52.54 758.4 773 -36.37 2276 -36.81 0
-399.8 716.4 -22.31 28.98 118.6 -317.8 123.7 -9.224 -572.9 -31.47 0
649.5 -22.31 1575 468.3 98.41 -69.29 52.02 9.798 646.1 81.55 0
2434 28.98 468.3 11720 476.1 1374 590.1 1.114 3068 -106.7 0
52.54 118.6 98.41 476.1 1093 254 -88.96 -11.05 1027 20.81 0
758.4 -317.8 -69.29 1374 254 13550 -409.6 -38.91 5018 -2.765 0
773 123.7 52.02 590.1 -88.96 -409.6 4760 -20.58 3390 61.46 0
-36.37 -9.224 9.798 1.114 -11.05 -38.91 -20.58 26.46 -89.94 0.1833 0
2276 -572.9 646.1 3068 1027 5018 3390 -89.94 90890 64.46 0
-36.81 -31.47 81.55 -106.7 20.81 -2.765 61.46 0.1833 64.46 141.1 0
0 0 0 0 0 0 0 0 0 0 48.33

m12

1144

110.9 21.78 46.42 140.6 26.78 155.4 55.52 2.642 255.2 10.34 8.3
78.93 32.68 55.15 100.1 36.42 111 82.62 14.3 243.8 18.56 6.952
6230 -536.6 95.77 671.6 172.5 219.1 -410.9 -55.31 -596.6 -29.3 0
-536.6 1068 57.68 6.543 -3.571 -235.9 116.1 -8.88 -310.8 -33.36 0
95.77 57.68 3042 574.1 190.8 -116.3 683.5 22.08 53.79 32.75 0
671.6 6.543 574.1 10020 477.6 589 554.1 -4.294 2245 74.3 0
172.5 -3.571 190.8 477.6 1326 125.3 -105.3 -11.46 230.9 7.434 0
219.1 -235.9 -116.3 589 125.3 12330 137.6 -90.49 4683 103 0
-410.9 116.1 683.5 554.1 -105.3 137.6 6826 -61.44 1209 315.8 0
-55.31 -8.88 22.08 -4.294 -11.46 -90.49 -61.44 204.5 -76.7 8.757 0
-596.6 -310.8 53.79 2245 230.9 4683 1209 -76.7 59450 366.5 0
-29.3 -33.36 32.75 74.3 7.434 103 315.8 8.757 366.5 344.4 0
0 0 0 0 0 0 0 0 0 0 48.33

m13

9

95.85 19.39 42.9 162.7 29.31 235.5 56.63 1.569 539.8 7.704 8.3
58.13 20.75 44.71 118.4 47.26 220.1 81.21 4.706 352.4 12.7 6.952
3379 -55.48 -657.6 4087 -497.3 3735 212.4 -132.4 11720 -274 0
-55.48 430.5 551.1 -31.93 -164.7 -2466 -522.4 33.88 1375 85.92 0
-657.6 551.1 1999 201.1 1061 -4871 -2342 174.6 -4380 -35.78 0
4087 -31.93 201.1 14010 895.1 -3543 -3490 -215.6 -7049 -1.504 0
-497.3 -164.7 1061 895.1 2234 759.2 -1313 122.1 -9426 -202.9 0
3735 -2466 -4871 -3543 759.2 48430 4932 -226.8 10390 -916.9 0
212.4 -522.4 -2342 -3490 -1313 4932 6595 -99.75 10790 -134.1 0
-132.4 33.88 174.6 -215.6 122.1 -226.8 -99.75 22.15 -537.3 -6.277 0
11720 1375 -4380 -7049 -9426 10390 10790 -537.3 1.242E+005 -2005 0
-274 85.92 -35.78 -1.504 -202.9 -916.9 -134.1 -6.277 -2005 161.4 0
0 0 0 0 0 0 0 0 0 0 48.33

m14

14

19.33 9.806 1.921 69.84 10.44 40.94 78.96 0 661.4 2.558 8.3
34.84 16.3 7.171 92.07 22.45 43.03 91.79 0 451.9 7.037 6.952
1214 174.3 23.48 455.5 -78.2 1356 1407 0 -15.74 48.54 0
174.3 265.7 9 36.02 -68.43 298.1 245.4 0 3168 -26.95 0
23.48 9 51.42 132 57.79 -27.15 24.35 0 -204.2 -5.298 0
455.5 36.02 132 8477 1784 895.3 2434 0 7365 559.1 0
-78.2 -68.43 57.79 1784 504 -78.24 688.2 0 1299 112 0
1356 298.1 -27.15 895.3 -78.24 1851 2302 0 661.1 79.62 0
1407 245.4 24.35 2434 688.2 2302 8425 0 6264 107.9 0
0 0 0 0 0 0 0 0 0 0 0
-15.74 3168 -204.2 7365 1299 661.1 6264 0 2.042E+005 -101.8 0
48.54 -26.95 -5.298 559.1 112 79.62 107.9 0 -101.8 49.51 0
0 0 0 0 0 0 0 0 0 0 48.33

m15

77

77.5 7.904 4.727 104.4 17.48 154.9 54.54 0.2724 556.1 5.304 8.3
51.56 14.1 9.826 124.1 20.8 71.01 74.98 1.874 285.8 9.882 6.952
2658 -129.4 -13.17 1024 -96.52 -47.6 -750.1 0.6764 471.6 -1.019 0
-129.4 198.7 18.28 -134.7 -17.59 -231.2 -90.89 1.374 185.3 6.964 0
-13.17 18.28 96.54 241.5 12.47 151.4 293.2 -0.01841 -210.6 3.884 0
1024 -134.7 241.5 15410 704.9 1807 46.54 -1.163 2164 -132.5 0
-96.52 -17.59 12.47 704.9 432.6 2.954 -290.1 5.223 1136 13.15 0
-47.6 -231.2 151.4 1807 2.954 5043 1411 6.388 304.5 -100.3 0
-750.1 -90.89 293.2 46.54 -290.1 1411 5623 -8.01 -5187 65.95 0
0.6764 1.374 -0.01841 -1.163 5.223 6.388 -8.01 3.512 -124.3 4.574 0
471.6 185.3 -210.6 2164 1136 304.5 -5187 -124.3 81700 -129.9 0
-1.019 6.964 3.884 -132.5 13.15 -100.3 65.95 4.574 -129.9 97.65 0
0 0 0 0 0 0 0 0 0 0 48.33

m16

89

101.6 17.9 11.96 144.3 20.66 233.4 49.37 0.0743 734.2 6.018 8.3
60.86 23.8 19.05 100.5 27.95 97.35 61.39 0.7018 306.1 9.952 6.952
3703 -37.66 134.5 782.8 -221.1 1256 -119.5 -1.495 465.7 33.91 0
-37.66 566.6 82.06 935.2 -23.29 83.42 -39.45 -1.353 2266 37.43 0
134.5 82.06 362.8 436.4 -13.31 298.5 204.6 -0.2005 997.1 26.54 0
782.8 935.2 436.4 10100 -5.618 1184 388.7 -3.526 9782 123 0
-221.1 -23.29 -13.31 -5.618 781.3 -68.03 -5.148 -1.55 256.7 54.52 0
1256 83.42 298.5 1184 -68.03 9476 394.4 -8.403 6139 -63.94 0
-119.5 -39.45 204.6 388.7 -5.148 394.4 3769 -3.317 2462 84.92 0
-1.495 -1.353 -0.2005 -3.526 -1.55 -8.403 -3.317 0.4925 43.39 1.767 0
465.7 2266 997.1 9782 256.7 6139 2462 43.39 93710 1127 0
33.91 37.43 26.54 123 54.52 -63.94 84.92 1.767 1127 99.04 0
0 0 0 0 0 0 0 0 0 0 48.33

m17

113

132.1 27.17 18.87 196.3 21.16 272.5 76.02 0.8256 781.2 4.724 8.3
76.62 36.12 25.86 157.4 31.34 142.1 94.06 6.316 420.9 7.751 6.952
5870 -91.31 -202.1 2689 -463.5 -1045 1528 33.87 -870.8 -9.501 0
-91.31 1304 -28.95 494.5 -214 -30.8 526.6 -5.931 3816 48.71 0
-202.1 -28.95 668.6 756.9 50.25 786.3 238.3 -8.002 2634 16.63 0
2689 494.5 756.9 24770 -636.3 4831 606.9 -21.87 13710 -14.64 0
-463.5 -214 50.25 -636.3 982.4 -249.4 -227 -17.62 -2665 -20.41 0
-1045 -30.8 786.3 4831 -249.4 20200 775.3 -75.39 8375 155.3 0
1528 526.6 238.3 606.9 -227 775.3 8848 -21.98 6375 74.36 0
33.87 -5.931 -8.002 -21.87 -17.62 -75.39 -21.98 39.89 260.5 -2.105 0
-870.8 3816 2634 13710 -2665 8375 6375 260.5 1.772E+005 567.7 0
-9.501 48.71 16.63 -14.64 -20.41 155.3 74.36 -2.105 567.7 60.07 0
0 0 0 0 0 0 0 0 0 0 48.33

m18

74

179.6 25.87 19.79 231.6 27.46 305.3 74.55 0.2807 831.5 6.966 8.3
118.7 50.22 32.76 170 35.18 165.2 132.9 2.402 548.1 13.1 6.952
14100 -685.7 -105 1474 -158.8 58.84 -1357 12.84 -2408 59.11 0
-685.7 2522 42.77 -1135 -24.74 -132.7 -307 3.258 -4184 5.921 0
-105 42.77 1073 -72.39 -40.34 730.4 30.47 0.9443 -233.4 16.74 0
1474 -1135 -72.39 28900 -11.96 -3482 5286 7.352 15560 363 0
-158.8 -24.74 -40.34 -11.96 1238 401 -215.1 -7.777 1408 41.49 0
58.84 -132.7 730.4 -3482 401 27290 570.7 -7.937 8148 374.4 0
-1357 -307 30.47 5286 -215.1 570.7 17660 31.6 10410 15.67 0
12.84 3.258 0.9443 7.352 -7.777 -7.937 31.6 5.772 38.19 13.47 0
-2408 -4184 -233.4 15560 1408 8148 10410 38.19 3.004E+005 402.1 0
59.11 5.921 16.74 363 41.49 374.4 15.67 13.47 402.1 171.6 0
0 0 0 0 0 0 0 0 0 0 48.33

m19

263

181.4 24.74 35.81 199.1 38.45 238.5 71.04 2.163 437.6 12.85 8.3
129.2 43.38 49.09 144.8 51.46 148 103.5 11.34 367 22.85 6.952
16700 -678.3 431.3 2619 525.3 2620 -1083 -114.3 2371 -324.9 0
-678.3 1882 48.98 -56.53 -165.2 224.7 -58.36 70.38 812.1 -48.58 0
431.3 48.98 2410 625.4 -280.4 -508.5 391.1 29.51 306.3 62.82 0
2619 -56.53 625.4 20960 -231 664.2 2457 -37.77 1860 119.1 0
525.3 -165.2 -280.4 -231 2648 472.2 -21.3 -46.7 -1681 -25.87 0
2620 224.7 -508.5 664.2 472.2 21900 2159 -169.6 11570 236.8 0
-1083 -58.36 391.1 2457 -21.3 2159 10710 -61.04 -2772 442.2 0
-114.3 70.38 29.51 -37.77 -46.7 -169.6 -61.04 128.7 -208.2 -9.852 0
2371 812.1 306.3 1860 -1681 11570 -2772 -208.2 1.347E+005 -385.8 0
-324.9 -48.58 62.82 119.1 -25.87 236.8 442.2 -9.852 -385.8 522.3 0
0 0 0 0 0 0 0 0 0 0 48.33

m20

20

15.16 19.12 0 52.64 2.226 59.79 51.26 0 680.7 1.791 8.3
35.77 48.07 0 78.81 8.64 89.02 68.94 0 386.1 5.954 6.952
1280 1354 0 569.5 170 1312 1569 0 676.8 2.13 0
1354 2311 0 -68.2 294.5 1913 1134 0 -742.5 -36.06 0
0 0 0 0 0 0 0 0 0 0 0
569.5 -68.2 0 6210 88.52 3157 1804 0 8246 362.2 0
170 294.5 0 88.52 74.66 -19.23 72.67 0 -253.5 -4.218 0
1312 1913 0 3157 -19.23 7924 1614 0 8180 257.6 0
1569 1134 0 1804 72.67 1614 4753 0 10410 -8.619 0
0 0 0 0 0 0 0 0 0 0 0
676.8 -742.5 0 8246 -253.5 8180 10410 0 1.491E+005 255.2 0
2.13 -36.06 0 362.2 -4.218 257.6 -8.619 0 255.2 35.44 0
0 0 0 0 0 0 0 0 0 0 48.33

m21

55

68.15 10.03 4.174 84.01 17.64 143.2 50.65 0.09907 487.7 3.366 8.3
60.56 14.78 10.1 65.87 24.09 80.08 55.52 0.5284 275.1 6.17 6.952
3668 -209.4 18.96 1672 310.7 -518.9 117.7 -5.568 -883.2 -77.73 0
-209.4 218.4 25.37 42.83 -6.763 -189.3 35.28 0.4763 -1045 -7.568 0
18.96 25.37 102 -3.326 13.38 -49.32 -20.18 -0.4215 -352.8 -5.669 0
1672 42.83 -3.326 4339 -74.58 369.2 -329.2 -5.569 -1232 -78.04 0
310.7 -6.763 13.38 -74.58 580.2 -75.22 62.85 0.1655 331.4 11.89 0
-518.9 -189.3 -49.32 369.2 -75.22 6412 751.3 -3.723 1344 53.36 0
117.7 35.28 -20.18 -329.2 62.85 751.3 3082 -0.616 -76.38 -28.09 0
-5.568 0.4763 -0.4215 -5.569 0.1655 -3.723 -0.616 0.2792 -17.59 -0.00978 0
-883.2 -1045 -352.8 -1232 331.4 1344 -76.38 -17.59 75700 -44.14 0
-77.73 -7.568 -5.669 -78.04 11.89 53.36 -28.09 -0.009781 -44.14 38.07 0
0 0 0 0 0 0 0 0 0 0 48.33

m22

87

98.27 13.11 15.34 144.3 13.98 212.7 80.3 0.4623 731.6 7.312 8.3
72.59 23.04 20.39 94.23 22.53 101.1 87.33 2.906 321.4 13.29 6.952
5270 -110.4 -91.75 2298 201.2 88.08 957.2 -7.384 5040 -34.73 0
-110.4 530.7 -32.4 460.2 -59.69 -6.988 -189.1 -5.758 1133 -30 0
-91.75 -32.4 415.6 -188.3 61.54 -255.6 217.2 -1.126 -262.1 50.93 0
2298 460.2 -188.3 8880 235.7 1553 1276 0.2739 3847 6.261 0
201.2 -59.69 61.54 235.7 507.6 339.4 -133.8 3.339 -586.6 21.56 0
88.08 -6.988 -255.6 1553 339.4 10220 335.5 -29.68 3998 9.405 0
957.2 -189.1 217.2 1276 -133.8 335.5 7626 -32.99 -168.4 125.3 0
-7.384 -5.758 -1.126 0.2739 3.339 -29.68 -32.99 8.445 -65.39 11.82 0
5040 1133 -262.1 3847 -586.6 3998 -168.4 -65.39 1.033E+005 64.07 0
-34.73 -30 50.93 6.261 21.56 9.405 125.3 11.82 64.07 176.6 0
0 0 0 0 0 0 0 0 0 0 48.33

m23

87

116.9 17.33 16.36 165.2 15.02 217.5 73.99 0.7183 666 4.145 8.3
68.67 30.01 27.72 110.1 25.9 116.6 80.32 6.696 375.2 6.539 6.952
4716 -35.03 24.74 673 -103.2 -744.4 33.09 -3.678 4895 44.01 0
-35.03 900.5 87.33 898.8 -157.8 174.9 137.4 -12.66 3164 22.37 0
24.74 87.33 768.2 1383 161.5 549.2 416.3 -11.88 1123 -20.48 0
673 898.8 1383 12130 -305.1 -243.9 1159 69.3 12520 34.56 0
-103.2 -157.8 161.5 -305.1 670.7 102.6 270.4 -10.92 -845.3 -20.32 0
-744.4 174.9 549.2 -243.9 102.6 13590 1985 7.804 6691 -25.91 0
33.09 137.4 416.3 1159 270.4 1985 6451 18.28 8256 -13.13 0
-3.678 -12.66 -11.88 69.3 -10.92 7.804 18.28 44.83 -37.68 10.51 0
4895 3164 1123 12520 -845.3 6691 8256 -37.68 1.408E+005 446.5 0
44.01 22.37 -20.48 34.56 -20.32 -25.91 -13.13 10.51 446.5 42.76 0
0 0 0 0 0 0 0 0 0 0 48.33

m24

108

110.3 13.55 21.84 146.1 17.35 171.9 37.39 2.023 587.5 6.082 8.3
84.99 24.37 33.36 122.3 27.65 105.8 61.5 14.94 374.1 12.38 6.952
7223 -215.4 -294.9 1652 394.8 539.3 -135.9 0 8903 -169.3 0
-215.4 593.9 52.03 -277.1 -63.35 -335 82.43 -27.68 -337.3 66.05 0
-294.9 52.03 1113 819.9 190 -158.7 227.7 2.991 649 70.18 0
1652 -277.1 819.9 14950 517.3 -543.1 1293 447.7 -137.2 80.2 0
394.8 -63.35 190 517.3 764.6 254.4 49.32 42.56 2855 -3.764 0
539.3 -335 -158.7 -543.1 254.4 11180 825.9 178.6 9693 15.7 0
-135.9 82.43 227.7 1293 49.32 825.9 3782 -76.28 3658 12.18 0
0 -27.68 2.991 447.7 42.56 178.6 -76.28 223.3 -710 16.64 0
8903 -337.3 649 -137.2 2855 9693 3658 -710 1.4E+005 203.7 0
-169.3 66.05 70.18 80.2 -3.764 15.7 12.18 16.64 203.7 153.1 0
0 0 0 0 0 0 0 0 0 0 48.33

m25

461

106.7 17.85 34.96 140.6 21.11 165.5 63.62 1.073 269.9 10.16 8.3
89.15 27.49 45.6 102.4 31.79 107.9 87.51 7.785 293.5 18.5 6.952
7947 -389.7 73.17 903.7 -65.19 -798.7 -639.7 -24.29 -261.6 -18.14 0
-389.7 755.9 -16.3 188.6 -104 -50.45 12.03 -7.063 -338.9 11.19 0
73.17 -16.3 2079 863.8 49.29 -275.6 582.6 19.53 -13.38 138.3 0
903.7 188.6 863.8 10490 175.8 994.8 1066 19.13 1923 109.9 0
-65.19 -104 49.29 175.8 1011 154.4 197.5 9.901 1166 21.17 0
-798.7 -50.45 -275.6 994.8 154.4 11650 1011 -54.62 7064 -21.96 0
-639.7 12.03 582.6 1066 197.5 1011 7658 -47.69 2260 228.3 0
-24.29 -7.063 19.53 19.13 9.901 -54.62 -47.69 60.61 -146.2 0.4321 0
-261.6 -338.9 -13.38 1923 1166 7064 2260 -146.2 86130 -32.57 0
-18.14 11.19 138.3 109.9 21.17 -21.96 228.3 0.4321 -32.57 342.2 0
0 0 0 0 0 0 0 0 0 0 48.33

m26

4

117.9 12.69 38.76 301 40.66 209.2 70.43 0 508 16.87 8.3
92.79 15.05 24.93 156.1 35.58 126.8 101 0 246.6 26.3 6.952
8610 803 1712 -13160 -1264 -10410 -8237 0 -10960 -2037 0
803 226.5 20.26 -1900 -404.3 -582 -714.3 0 -2784 -207.4 0
1712 20.26 621.6 -2436 -275 -1811 -2281 0 -2564 -567.1 0
-13160 -1900 -2436 24360 4026 12430 14040 0 30330 3702 0
-1264 -404.3 -275 4026 1266 -365.4 2220 0 8713 667 0
-10410 -582 -1811 12430 -365.4 16070 7708 0 625.4 1697 0
-8237 -714.3 -2281 14040 2220 7708 10200 0 17660 2634 0
0 0 0 0 0 0 0 0 0 0 0
-10960 -2784 -2564 30330 8713 625.4 17660 0 60830 5137 0
-2037 -207.4 -567.1 3702 667 1697 2634 0 5137 691.5 0
0 0 0 0 0 0 0 0 0 0 48.33

B.5 SUMMER 1945

m1

41

27.06 11.57 1.973 153.2 11.95 86.44 94.36 0 1025 0.3023 6.956
47.24 17.6 10.52 173 29.22 110.2 144.3 0 608.8 1.332 5.826
2232 262.8 184.3 1896 160.1 1119 -633.8 0 7708 0.692 0
262.8 309.8 42.4 947.1 61.21 -77.56 83.8 0 2068 -3.024 0
184.3 42.4 110.6 194.7 -24.28 144.8 -19.73 0 83.24 -0.6163 0
1896 947.1 194.7 29930 -202.2 6956 6789 0 20120 -13.82 0
160.1 61.21 -24.28 -202.2 853.9 38.63 -413.2 0 3629 7.822 0
1119 -77.56 144.8 6956 38.63 12140 7390 0 3286 -3.668 0
-633.8 83.8 -19.73 6789 -413.2 7390 20810 0 -1230 -18.06 0
0 0 0 0 0 0 0 0 0 0 0
7708 2068 83.24 20120 3629 3286 -1230 0 3.706E+005 -66.48 0
0.692 -3.024 -0.6163 -13.82 7.822 -3.668 -18.06 0 -66.48 1.773 0
0 0 0 0 0 0 0 0 0 0 33.94

m2

122

69.83 7.851 13.16 147.8 26.67 214.8 77.22 0.1868 724.1 3.681 6.956
49.11 13.07 26.38 107.4 30.37 123.1 129.3 1.335 401.5 5.556 5.826
2411 -25.67 237.1 10.54 123.8 -30.23 -108 -3.41 59.14 -9.821 0
-25.67 170.8 32.06 -120.7 34.93 -131.9 59.15 -1.187 -236.1 -11.76 0
237.1 32.06 695.9 422 6.41 415.7 -37.52 -1.233 1133 -18.47 0
10.54 -120.7 422 11520 -430.4 568.3 1499 -2.294 -4741 32.21 0
123.8 34.93 6.41 -430.4 922.5 228.1 -137.5 2.92 256.1 11.14 0
-30.23 -131.9 415.7 568.3 228.1 15160 -1799 -20.06 494.2 30.09 0
-108 59.15 -37.52 1499 -137.5 -1799 16720 25.56 -3063 -11.49 0
-3.41 -1.187 -1.233 -2.294 2.92 -20.06 25.56 1.783 10.72 0.1855 0
59.14 -236.1 1133 -4741 256.1 494.2 -3063 10.72 1.612E+005 243.1 0
-9.821 -11.76 -18.47 32.21 11.14 30.09 -11.49 0.1855 243.1 30.86 0
0 0 0 0 0 0 0 0 0 0 33.94

m3

179

89.5 8.127 27.27 188.8 27.72 274.5 92.72 0.5812 765.5 4.085 6.956
59.42 13.54 59.83 132.2 43.48 160.7 149.7 6.123 440.8 8.922 5.826
3530 -78.04 383.9 1359 204.1 -582.3 391.3 10.55 4740 -68.38 0
-78.04 183.4 100.5 141.4 32.97 13.05 -40.53 -0.9121 -340.2 -2.899 0
383.9 100.5 3580 893.5 70.23 615.2 1182 -1.465 1345 66.19 0
1359 141.4 893.5 17470 948.1 637 -1029 110.9 7224 116.7 0
204.1 32.97 70.23 948.1 1890 -69.85 -416.4 70.28 0 31.42 0
-582.3 13.05 615.2 637 -69.85 25810 -529 -49.19 1700 335.4 0
391.3 -40.53 1182 -1029 -416.4 -529 22400 49.49 -2309 -24.03 0
10.55 -0.9121 -1.465 110.9 70.28 -49.19 49.49 37.49 -13.5 0 0
4740 -340.2 1345 7224 0 1700 -2309 -13.5 1.943E+005 -114 0
-68.38 -2.899 66.19 116.7 31.42 335.4 -24.03 0 -114 79.6 0
0 0 0 0 0 0 0 0 0 0 33.94

m4

192

116.4 14.78 33.45 253 28.51 351.2 123.1 1.052 915.7 3.419 6.956
66.62 23.49 48.19 171.8 40.73 233.3 210.9 10.23 539.6 6.618 5.826
4438 -241 208.7 1488 -89.54 -1849 1658 2.045 3775 20.28 0
-241 551.7 48.68 238 58.35 -32.88 -381.5 7.211 -2117 -14.3 0
208.7 48.68 2323 1482 337.6 1866 1077 -29.59 2470 20.41 0
1488 238 1482 29500 454.7 2204 5326 7.031 4356 -180.7 0
-89.54 58.35 337.6 454.7 1659 2480 764.5 -10.84 -549.4 -11.32 0
-1849 -32.88 1866 2204 2480 54420 738.1 -150.4 16490 33.96 0
1658 -381.5 1077 5326 764.5 738.1 44490 -129.5 32320 9.771 0
2.045 7.211 -29.59 7.031 -10.84 -150.4 -129.5 104.7 38.65 -3.251 0
3775 -2117 2470 4356 -549.4 16490 32320 38.65 2.912E+005 178.5 0
20.28 -14.3 20.41 -180.7 -11.32 33.96 9.771 -3.251 178.5 43.79 0
0 0 0 0 0 0 0 0 0 0 33.94

m5

160

174.1 15.65 44.34 296.8 36.5 373.5 98.81 1.031 988.6 6.07 6.956
95.42 23.63 64.35 217.6 50.97 228.3 172.2 6.663 710.5 10.84 5.826
9104 -448.7 558.7 3903 744 1503 -1397 10.17 4000 -26.9 0
-448.7 558.3 124.7 -262.2 -115.6 -178 -65.11 -12.12 -1058 27.15 0
558.7 124.7 4141 406 -127.9 1543 2216 -38.16 1006 72.56 0
3903 -262.2 406 47340 2517 3924 8693 -207.3 42210 292.5 0
744 -115.6 -127.9 2517 2598 -395.6 553 -35.66 -3513 -29.29 0
1503 -178 1543 3924 -395.6 52120 3538 -25.86 46720 529.7 0
-1397 -65.11 2216 8693 553 3538 29660 -89.5 39770 224 0
10.17 -12.12 -38.16 -207.3 -35.66 -25.86 -89.5 44.4 -426.1 -3.973 0
4000 -1058 1006 42210 -3513 46720 39770 -426.1 5.048E+005 1587 0
-26.9 27.15 72.56 292.5 -29.29 529.7 224 -3.973 1587 117.5 0
0 0 0 0 0 0 0 0 0 0 33.94

m6

656

171.5 14.89 69.87 311.8 47.71 285.6 130.2 2.975 439.5 8.309 6.956
125.3 26.31 87.92 223.6 59.15 203.4 221.3 15.34 477.4 14.97 5.826
15710 -758.3 165.3 2579 415.1 153 -1165 -76.9 59.84 28.15 0
-758.3 692 198.9 -47.06 48.23 5.351 -209.6 -1.614 -866.5 -44.5 0
165.3 198.9 7730 373.6 322.4 1323 330.8 89.01 797.5 60.55 0
2579 -47.06 373.6 50010 383.6 1729 3365 -96.05 9609 -224.3 0
415.1 48.23 322.4 383.6 3498 288.8 575.9 -28.13 -2090 -5.313 0
153 5.351 1323 1729 288.8 41380 3646 -131.1 14180 18.27 0
-1165 -209.6 330.8 3365 575.9 3646 48970 -207.1 6128 745.5 0
-76.9 -1.614 89.01 -96.05 -28.13 -131.1 -207.1 235.3 -183.1 6.43 0
59.84 -866.5 797.5 9609 -2090 14180 6128 -183.1 2.279E+005 421.7 0
28.15 -44.5 60.55 -224.3 -5.313 18.27 745.5 6.43 421.7 224.1 0
0 0 0 0 0 0 0 0 0 0 33.94

m7

25

30.24 7.369 1.056 68.96 5.64 84.98 110.9 0 1139 0.8742 6.956
54.37 15.85 5.313 90.57 13.96 93.84 115.1 0 646.2 3.141 5.826
2956 2.585 1.444 4.925 196.6 750 3636 0 -4497 -3.587 0
2.585 251.2 -8.168 14.35 -43.36 -117.5 410.5 0 -2222 -3.236 0
1.444 -8.168 28.23 214.2 -6.23 75.79 -83.79 0 -370.8 16.07 0
4.925 14.35 214.2 8204 361.6 3145 62.56 0 -19140 136.6 0
196.6 -43.36 -6.23 361.6 194.8 267.2 110.9 0 -72.16 2.368 0
750 -117.5 75.79 3145 267.2 8805 1804 0 6488 42.15 0
3636 410.5 -83.79 62.56 110.9 1804 13250 0 -23130 -41.58 0
0 0 0 0 0 0 0 0 0 0 0
-4497 -2222 -370.8 -19140 -72.16 6488 -23130 0 4.176E+005 -146.2 0
-3.587 -3.236 16.07 136.6 2.368 42.15 -41.58 0 -146.2 9.868 0
0 0 0 0 0 0 0 0 0 0 33.94

m8

122

61.04 8.399 14.6 127.8 27.43 193.4 88.96 0.04843 776.7 2.913 6.956
42 12.13 27.79 94.86 36.56 104.7 123.6 0.2768 403.2 6.164 5.826
1764 -38.71 216 952.3 -21.5 228.7 -534.6 -0.4069 -677.4 -48.68 0
-38.71 147.1 29.33 -41.42 52.32 116.8 101.9 0.2383 -273.9 -10.39 0
216 29.33 772.5 76.46 -68.08 -20.37 -137.4 -0.3615 -560.4 -29.64 0
952.3 -41.42 76.46 8999 270.5 427 -1032 -3.256 -2027 -2.924 0
-21.5 52.32 -68.08 270.5 1337 -367.4 -352.4 0.1518 -884.5 -12.85 0
228.7 116.8 -20.37 427 -367.4 10960 414 0.1449 -126.6 9.035 0
-534.6 101.9 -137.4 -1032 -352.4 414 15270 -1.026 1644 -25.9 0
-0.4069 0.2383 -0.3615 -3.256 0.1518 0.1449 -1.026 0.0766 -7.923 0.08871 0

-677.4 -273.9 -560.4 -2027 -884.5 -126.6 1644 -7.923 1.626E+005 208.8 0
-48.68 -10.39 -29.64 -2.924 -12.85 9.035 -25.9 0.08871 208.8 38 0
0 0 0 0 0 0 0 0 0 0 0 33.94

m9

154

88.31 10.28 25.53 206.6 23.06 249.4 92.65 0.685 796.6 3.493 6.956
62.73 15.27 56.02 155.6 35.59 143.3 108.9 6.421 407.4 6.879 5.826
3934 2.873 625.5 126.9 -428.6 -494.5 -218.7 55.18 2070 -87.16 0
2.873 233.1 167.6 -9.501 57.06 98.47 -88.16 2.941 -590.8 -15.12 0
625.5 167.6 3139 78.44 -67.79 -208.8 738.5 -8.273 2739 58.19 0
126.9 -9.501 78.44 24200 326.7 -2988 -2271 48.95 380.3 -10.7 0
-428.6 57.06 -67.79 326.7 1267 -561.1 128 -10.74 -3654 33.3 0
-494.5 98.47 -208.8 -2988 -561.1 20540 -1046 -38.65 11150 176.5 0
-218.7 -88.16 738.5 -2271 128 -1046 11870 -48.97 7101 31.48 0
55.18 2.941 -8.273 48.95 -10.74 -38.65 -48.97 41.23 227.6 -0.7067 0
2070 -590.8 2739 380.3 -3654 11150 7101 227.6 1.659E+005 -311.1 0
-87.16 -15.12 58.19 -10.7 33.3 176.5 31.48 -0.7067 -311.1 47.32 0
0 0 0 0 0 0 0 0 0 0 0 33.94

m10

210

92.91 12.29 35.19 206.3 23.81 273.1 121.8 1.965 753.1 3.742 6.956
62.8 18.28 51.47 147.3 37.36 155.4 154.5 12.03 446.8 7.945 5.826
3944 -286.9 310.3 1064 -154.8 -956.5 164.9 -48.36 5359 -8.982 0
-286.9 334 73.37 137.3 48.48 207.3 -163.7 0.4398 -783.9 -16.7 0
310.3 73.37 2649 219.9 330.7 919.9 477 -38.4 2162 -15.95 0
1064 137.3 219.9 21700 919 320.5 773.6 109.9 1974 -78.41 0
-154.8 48.48 330.7 919 1396 -261.3 -507.8 -8.99 -2554 -19.29 0
-956.5 207.3 919.9 320.5 -261.3 24150 984.3 -160.8 12990 -116.1 0
164.9 -163.7 477 773.6 -507.8 984.3 23860 105.9 13180 154.6 0
-48.36 0.4398 -38.4 109.9 -8.99 -160.8 105.9 144.8 -424.7 -5.64 0
5359 -783.9 2162 1974 -2554 12990 13180 -424.7 1.996E+005 7.1 0
-8.982 -16.7 -15.95 -78.41 -19.29 -116.1 154.6 -5.64 7.1 63.13 0
0 0 0 0 0 0 0 0 0 0 0 33.94

m11

194

112.3 10.43 48.11 209 23.98 236.3 89.29 2.013 586.4 6.164 6.956
74.77 16.89 69.68 148.3 36.59 153.4 169.4 11.91 463.6 12.3 5.826
5590 -311.9 854.4 2561 -202.4 -1388 1773 -74.78 -1074 -6.435 0
-311.9 285.2 -11.77 293 41.4 323.8 143 12.27 1276 -0.2076 0
854.4 -11.77 4855 1767 102 -406.2 2018 -48.12 0 -4.284 0
2561 293 1767 21990 162.8 2298 2838 30.02 9554 200.5 0
-202.4 41.4 102 162.8 1339 140.3 216.9 20.48 -203.5 30.14 0
-1388 323.8 -406.2 2298 140.3 23540 -1247 -237.5 9601 -133.9 0
1773 143 2018 2838 216.9 -1247 28680 -88.73 11850 83.29 0
-74.78 12.27 -48.12 30.02 20.48 -237.5 -88.73 141.8 -5.52 3.514 0
-1074 1276 0 9554 -203.5 9601 11850 -5.52 2.149E+005 775.2 0
-6.435 -0.2076 -4.284 200.5 30.14 -133.9 83.29 3.514 775.2 151.2 0
0 0 0 0 0 0 0 0 0 0 33.94

m12

923

105.9 13.87 74.91 259.8 31.57 190.3 144.6 2.934 342.1 7.259 6.956
80.59 21.75 91.71 194.4 42.97 149.8 213.8 16.06 339.1 13.35 5.826
6494 -264.6 251.3 595.2 162.8 -265.6 -1602 -51.77 -1230 -92.49 0
-264.6 473 85.76 143.7 9.345 -104.3 125.5 -8.731 22.12 -14.22 0
251.3 85.76 8411 766.5 260.1 -549.6 2000 -25.04 -497.6 61.2 0
595.2 143.7 766.5 37780 33.41 262.1 4322 -124.9 4614 57.07 0
162.8 9.345 260.1 33.41 1846 225.3 73.49 -18.63 786.9 -33.26 0
-265.6 -104.3 -549.6 262.1 225.3 22450 -2178 -86.62 6351 35.99 0
-1602 125.5 2000 4322 73.49 -2178 45710 -37.77 1450 422.3 0
-51.77 -8.731 -25.04 -124.9 -18.63 -86.62 -37.77 257.9 -277.7 -2.572 0
-1230 22.12 -497.6 4614 786.9 6351 1450 -277.7 1.15E+005 683.4 0
-92.49 -14.22 61.2 57.07 -33.26 35.99 422.3 -2.572 683.4 178.1 0
0 0 0 0 0 0 0 0 0 0 33.94

m13

10

96 8.048 109.5 238.1 44.15 283.3 152.2 0.5881 592.5 3.954 6.956
88.22 11.21 163.8 179.4 47.84 217.7 174 1.868 521.5 7.235 5.826
7783 -283.7 -3294 1029 734.3 -9680 9059 -62.96 9018 55.53 0
-283.7 125.6 -675.3 321.6 -258.9 -329.4 -922.5 -5.276 -1181 -18.57 0
-3294 -675.3 26820 14630 5656 15580 11940 267.7 -6406 73.46 0
1029 321.6 14630 32180 1879 -5819 7149 134.7 -10480 -75.27 0
734.3 -258.9 5656 1879 2289 1208 3830 59.43 -3767 -96.91 0
-9680 -329.4 15580 -5819 1208 47400 -6252 200.9 41900 417.4 0
9059 -922.5 11940 7149 3830 -6252 30290 0.3251 21510 399.1 0
-62.96 -5.276 267.7 134.7 59.43 200.9 0.3251 3.49 -289.4 -2.595 0
9018 -1181 -6406 -10480 -3767 41900 21510 -289.4 2.72E+005 1181 0
55.53 -18.57 73.46 -75.27 -96.91 417.4 399.1 -2.595 1181 52.34 0
0 0 0 0 0 0 0 0 0 0 33.94

m14

17

```
8.825 6.63 0.87 115 8.768 92.63 133.4 0 720.3 0.4575 6.956
26.79 15.94 3.558 138.1 27.76 140.3 210.3 0 668.8 1.895 5.826
718 -42.7 35.18 -751.2 -40.92 2018 4665 0 -2760 18.74 0
-42.7 254 0 875.9 367.2 809.3 -83.78 0 -3325 0 0
35.18 0 12.66 -3.439 -8.001 -18.47 19.45 0 -516.3 6.743 0
-751.2 875.9 -3.439 19070 502.3 6974 6186 0 -1293 -1.832 0
-40.92 367.2 -8.001 502.3 770.8 412.8 -151.8 0 -4475 -4.263 0
2018 809.3 -18.47 6974 412.8 19680 18640 0 -6005 -9.838 0
4665 -83.78 19.45 6186 -151.8 18640 44220 0 -12240 10.36 0
0 0 0 0 0 0 0 0 0 0 0
-2760 -3325 -516.3 -1293 -4475 -6005 -12240 0 4.473E+005 -275.1 0
18.74 0 6.743 -1.832 -4.263 -9.838 10.36 0 -275.1 3.593 0
0 0 0 0 0 0 0 0 0 0 33.94
```

m15

54

```
78.01 8.525 9.896 164.3 25.53 185.1 82.23 0 670.3 3.239 6.956
46.21 14.2 23.68 103.9 31.99 126.7 133.3 0 373.2 6.14 5.826
2135 -149.6 105 1714 204 257.5 -357.3 0 17.25 -19.01 0
-149.6 201.7 -49.43 -323.1 -1.363 118.7 503.5 0 -439.9 -3.313 0
105 -49.43 560.6 199.3 172.7 365.9 1114 0 1246 39.54 0
1714 -323.1 199.3 10800 438.7 973.9 1898 0 6554 27.43 0
204 -1.363 172.7 438.7 1023 1329 430.6 0 -3259 75.81 0
257.5 118.7 365.9 973.9 1329 16040 303.9 0 10450 244.2 0
-357.3 503.5 1114 1898 430.6 303.9 17770 0 4378 40.92 0
0 0 0 0 0 0 0 0 0 0 0
17.25 -439.9 1246 6554 -3259 10450 4378 0 1.393E+005 100.8 0
-19.01 -3.313 39.54 27.43 75.81 244.2 40.92 0 100.8 37.7 0
0 0 0 0 0 0 0 0 0 0 33.94
```

m16

71

```
93.16 8.352 25.88 219.5 18.35 290.9 108.2 0.08995 834.2 5.38 6.956
56.6 13.09 41.57 147.2 27.82 139.6 167.1 0.768 472.7 10.68 5.826
3203 78.54 200 1341 61.4 387 586.3 2.651 3184 -146.3 0
78.54 171.4 126.8 161.8 -81.22 29.23 24.06 -0.362 340.4 -25.59 0
200 126.8 1728 666.9 69.39 1456 3723 -1.437 -1140 96.82 0
1341 161.8 666.9 21660 -556.8 -1951 1180 0.7912 -12520 -334.9 0
61.4 -81.22 69.39 -556.8 773.9 368.8 269.6 -1.688 -2538 50.82 0
387 29.23 1456 -1951 368.8 19470 2472 -10.82 4486 228.1 0
586.3 24.06 3723 1180 269.6 2472 27920 -10.01 1896 519.4 0
2.651 -0.362 -1.437 0.7912 -1.688 -10.82 -10.01 0.5898 37.4 -0.5004 0
3184 340.4 -1140 -12520 -2538 4486 1896 37.4 2.235E+005 95.95 0
-146.3 -25.59 96.82 -334.9 50.82 228.1 519.4 -0.5004 95.95 114.1 0
0 0 0 0 0 0 0 0 0 0 33.94
```

m17

110

137.4 10.8 29.01 331.1 21 334.8 161.2 0.01384 1033 2.786 6.956
70.3 17.14 41.2 231.4 29.97 157.8 233.8 0.173 519.8 4.91 5.826
4942 -7.229 -72.41 2636 438.2 1343 -98.62 -0.9728 5554 62.13 0
-7.229 293.8 125.7 563.2 78.07 202.9 709.3 0.2698 320.7 -7.153 0
-72.41 125.7 1698 1611 372.9 1073 3304 0.449 -1949 -8.497 0
2636 563.2 1611 53560 -55.48 3214 12230 -1.201 8661 -20.45 0
438.2 78.07 372.9 -55.48 898 723.7 1422 0.01037 -1386 -10.59 0
1343 202.9 1073 3214 723.7 24910 9891 3.44 10670 68.2 0
-98.62 709.3 3304 12230 1422 9891 54670 1.132 27470 -173.4 0
-0.9728 0.2698 0.449 -1.201 0.01037 3.44 1.132 0.02992 4.496 -0.04671 0
5554 320.7 -1949 8661 -1386 10670 27470 4.496 2.702E+005 66.36 0
62.13 -7.153 -8.497 -20.45 -10.59 68.2 -173.4 -0.04671 66.36 24.11 0
0 0 0 0 0 0 0 0 0 0 33.94

m18

66

203.7 13.48 54 306.7 31.83 405.8 137.5 0 1011 4.967 6.956
104.1 19.45 73.17 230.7 47.97 227.6 197.3 0 779.3 8.962 5.826
10850 556.9 -396.3 2788 1474 -6162 4910 0 8846 85.88 0
556.9 378.1 350 399.3 113.8 -716.9 -560 0 -4061 -25.79 0
-396.3 350 5355 152 888 882.6 1111 0 -1026 -87.22 0
2788 399.3 152 53240 1782 787.7 819.3 0 4675 -95.13 0
1474 113.8 888 1782 2301 -775 312.2 0 -9307 -39.55 0
-6162 -716.9 882.6 787.7 -775 51790 852.9 0 55510 -287.6 0
4910 -560 1111 819.3 312.2 852.9 38910 0 67180 -194.5 0
0 0 0 0 0 0 0 0 0 0 0
8846 -4061 -1026 4675 -9307 55510 67180 0 6.073E+005 391.1 0
85.88 -25.79 -87.22 -95.13 -39.55 -287.6 -194.5 0 391.1 80.33 0
0 0 0 0 0 0 0 0 0 0 33.94

m19

254

179.8 15.91 64.49 377.1 41.81 329.1 143.4 2.429 489.1 7.324 6.956
111.4 26.19 86.55 298.9 54.91 215.2 252.5 14.98 488.3 12.67 5.826
12410 -411.4 154.3 2331 -477.1 -335.6 -2531 -245.3 -2121 67.73 0
-411.4 686.1 335.5 1488 50.34 -281.9 -291 15.3 -818.6 -16.92 0
154.3 335.5 7491 1733 275.6 -2198 3059 28.52 -2367 86.62 0
2331 1488 1733 89350 1379 7012 1283 -447.8 12410 140.1 0
-477.1 50.34 275.6 1379 3015 295.4 1262 -0.8225 1984 23.65 0
-335.6 -281.9 -2198 7012 295.4 46320 -2065 19.34 22910 35.44 0
-2531 -291 3059 1283 1262 -2065 63750 -56.73 1479 367.8 0
-245.3 15.3 28.52 -447.8 -0.8225 19.34 -56.73 224.4 -563.2 -15.56 0
-2121 -818.6 -2367 12410 1984 22910 1479 -563.2 2.384E+005 -80.41 0
67.73 -16.92 86.62 140.1 23.65 35.44 367.8 -15.56 -80.41 160.5 0
0 0 0 0 0 0 0 0 0 0 33.94

m20

16

37.95 15.96 4.412 143.7 11.27 78.63 114.1 0 650.2 2.864 6.956
68.5 33.16 17.65 147.5 24.34 90.59 170.7 0 597.7 6.438 5.826
4693 1756 -178.9 676.8 588.6 -1533 8899 0 12320 131 0
1756 1100 -74.91 -68.45 -150.1 -354.5 4245 0 1784 116.3 0
-178.9 -74.91 311.5 -184.8 116.4 793 147.6 0 1192 -13.52 0
676.8 -68.45 -184.8 21740 32.3 1469 -2165 0 54640 -323.7 0
588.6 -150.1 116.4 32.3 592.5 533.6 373.9 0 4364 -30.4 0
-1533 -354.5 793 1469 533.6 8207 -1469 0 920.5 -168.6 0
8899 4245 147.6 -2165 373.9 -1469 29140 0 408.1 417.6 0
0 0 0 0 0 0 0 0 0 0 0
12320 1784 1192 54640 4364 920.5 408.1 0 3.572E+005 -1354 0
131 116.3 -13.52 -323.7 -30.4 -168.6 417.6 0 -1354 41.45 0
0 0 0 0 0 0 0 0 0 0 33.94

m21

69

68.63 10.87 8.638 147.9 27.13 182.7 84.49 0 747.1 3.419 6.956
51.32 19.54 23.09 141.1 41.15 120 128.1 0 518.8 7.304 5.826
2634 -32.1 -215.6 -1543 -209.1 295.6 -1098 0 1757 -39.73 0
-32.1 382 19.4 -104.8 92.48 -480.8 67.6 0 1724 -19.13 0
-215.6 19.4 533 -397.5 -68.4 238.2 139 0 -1437 21.25 0
-1543 -104.8 -397.5 19920 -243.9 -1016 4068 0 -1098 -21.65 0
-209.1 92.48 -68.4 -243.9 1693 -380.2 -26.36 0 -1686 -36.37 0
295.6 -480.8 238.2 -1016 -380.2 14400 -2675 0 -9400 1.753 0
-1098 67.6 139 4068 -26.36 -2675 16410 0 731 160 0
0 0 0 0 0 0 0 0 0 0 0
1757 1724 -1437 -1098 -1686 -9400 731 0 2.691E+005 -1019 0
-39.73 -19.13 21.25 -21.65 -36.37 1.753 160 0 -1019 53.35 0
0 0 0 0 0 0 0 0 0 0 33.94

m22

98

102.1 8.127 15.61 227.1 12.58 266.4 121.1 0.06919 777.7 4.714 6.956
61.4 13.18 27.93 146.1 19.75 156.1 211.9 0.6504 412 9.069 5.826
3770 -43.69 209.2 1166 -25.47 -2713 -2693 -1.038 -758.8 55.12 0
-43.69 173.6 20.61 331 28.37 -325 78.18 1.808 722 -16.49 0
209.2 20.61 780.3 322.3 17.66 780.6 367 0.8175 -402.8 -22.04 0
1166 331 322.3 21330 204.8 91.21 2971 7.979 11370 -222.5 0
-25.47 28.37 17.66 204.8 390.2 -83.26 242.8 -0.8351 -349.9 -6.449 0
-2713 -325 780.6 91.21 -83.26 24370 6418 -5.077 -2251 -25.48 0
-2693 78.18 367 2971 242.8 6418 44900 -7.993 26280 -69.18 0
-1.038 1.808 0.8175 7.979 -0.8351 -5.077 -7.993 0.423 23.85 -0.3126 0
-758.8 722 -402.8 11370 -349.9 -2251 26280 23.85 1.697E+005 470.7 0
55.12 -16.49 -22.04 -222.5 -6.449 -25.48 -69.18 -0.3126 470.7 82.24 0
0 0 0 0 0 0 0 0 0 0 33.94

m23

111

118.6 9.307 31.88 268 20.26 299.8 148.6 3.39 767.6 3.685 6.956
158.4 16.48 46.27 192.2 36.92 202.7 221.6 27.56 455.7 8.37 5.826
25100 -331.6 322.5 1918 1591 -3725 -3018 52.39 8446 80.88 0
-331.6 271.6 -22.11 408.6 51.72 557.8 660.8 -31.34 548.2 -9.38 0
322.5 -22.11 2141 1619 27.33 243.8 1650 -104.6 1455 53.44 0
1918 408.6 1619 36950 -262.6 740.2 6686 -434.4 10340 -57.92 0
1591 51.72 27.33 -262.6 1363 -232 -564.5 381.6 3567 47.29 0
-3725 557.8 243.8 740.2 -232 41080 -2649 -407.7 3879 -142.5 0
-3018 660.8 1650 6686 -564.5 -2649 49080 -470.1 16560 192.9 0
52.39 -31.34 -104.6 -434.4 381.6 -407.7 -470.1 759.5 841.4 92.5 0
8446 548.2 1455 10340 3567 3879 16560 841.4 2.077E+005 -64.84 0
80.88 -9.38 53.44 -57.92 47.29 -142.5 192.9 92.5 -64.84 70.06 0
0 0 0 0 0 0 0 0 0 0 33.94

m24

99

102.9 10.91 33.74 228.6 15.61 256.4 107.3 1.667 526.9 4.735 6.956
73.36 18.24 49.96 184.1 29.1 189.8 226.5 7.798 418.2 9.371 5.826
5381 -14.72 -212.6 2984 -42.69 -737.9 2060 -28.03 6135 65.99 0
-14.72 332.7 -119.4 110.8 88.62 190.4 702.3 22.9 -305.1 5.127 0
-212.6 -119.4 2496 -1398 -85.77 3148 -509.3 19.87 -4116 84.75 0
2984 110.8 -1398 33880 942.5 1327 7587 -175.1 6158 239.7 0
-42.69 88.62 -85.77 942.5 846.6 767.6 6.59 14.75 -194.7 67.89 0
-737.9 190.4 3148 1327 767.6 36020 3095 -68.08 4762 106.7 0
2060 702.3 -509.3 7587 6.59 3095 51300 -121.9 15250 154.9 0
-28.03 22.9 19.87 -175.1 14.75 -68.08 -121.9 60.8 -280.4 -2.923 0
6135 -305.1 -4116 6158 -194.7 4762 15250 -280.4 1.749E+005 -364.4 0
65.99 5.127 84.75 239.7 67.89 106.7 154.9 -2.923 -364.4 87.82 0
0 0 0 0 0 0 0 0 0 0 33.94

m25

399

109.5 11.85 63.73 294.2 25.35 198.8 133.1 1.716 326.4 7.484 6.956
79.98 18.11 83.49 206.6 36.14 136.5 207 10.82 306.9 13.19 5.826
6397 -269.5 447.4 1157 219.7 284 33.11 -57.99 662.8 -27.44 0
-269.5 328.1 176.9 228.3 0 -173.1 -11.25 -9.604 -5.559 0.239 0
447.4 176.9 6971 1587 515.9 342 4563 50.59 -461.2 167.4 0
1157 228.3 1587 42700 627.3 1608 4791 547.9 6088 100.9 0
219.7 0 515.9 627.3 1306 0 209.5 51.23 -33.27 16.21 0
284 -173.1 342 1608 0 18650 2092 -93.09 4736 36.03 0
33.11 -11.25 4563 4791 209.5 2092 42850 -8.96 4193 409.7 0
-57.99 -9.604 50.59 547.9 51.23 -93.09 -8.96 117.1 -119.6 0 0
662.8 -5.559 -461.2 6088 -33.27 4736 4193 -119.6 94190 457.6 0
-27.44 0.239 167.4 100.9 16.21 36.03 409.7 0 457.6 174.1 0
0 0 0 0 0 0 0 0 0 0 33.94

m26

7

131.7 13.8 61.96 289.9 68.04 290.6 195.1 0 537 15.91 6.956
61.96 21.07 99.07 160.4 50.86 155.5 317.7 0 456.5 21.54 5.826
3839 -151.4 -1197 3478 -1834 -3016 -7716 0 -707.1 -222.9 0
-151.4 443.9 -720.2 -1010 -615 3.276 -2195 0 -3587 -124.4 0
-1197 -720.2 9815 10200 3134 -3790 29360 0 17680 1426 0
3478 -1010 10200 25730 1909 -10720 33680 0 12590 2657 0
-1834 -615 3134 1909 2586 2689 11990 0 394.6 713.1 0
-3016 3.276 -3790 -10720 2689 24180 -10180 0 -55010 -566.1 0
-7716 -2195 29360 33680 11990 -10180 1.009E+005 0 47270 5638 0
0 0 0 0 0 0 0 0 0 0 0
-707.1 -3587 17680 12590 394.6 -55010 47270 0 2.084E+005 98.32 0
-222.9 -124.4 1426 2657 713.1 -566.1 5638 0 98.32 464 0
0 0 0 0 0 0 0 0 0 0 33.94

B.6 SUMMER 1965

m1

41

28.5 18.73 1.277 99.16 9.829 61.93 61.19 0 775.7 0.4332 8.3
49.76 28.51 6.809 112 24.03 78.92 93.54 0 460.8 1.908 6.952
2476 448.2 125.7 1293 138.7 844.3 -432.9 0 6145 1.045 0
448.2 812.7 44.45 993 81.52 -90 88.01 0 2535 -7.018 0
125.7 44.45 46.36 81.59 -12.92 67.17 -8.28 0 40.79 -0.5717 0
1293 993 81.59 12540 -107.6 3226 2850 0 9857 -12.82 0
138.7 81.52 -12.92 -107.6 577.4 22.76 -220.3 0 2259 9.217 0
844.3 -90 67.17 3226 22.76 6229 3433 0 1782 -3.765 0
-432.9 88.01 -8.28 2850 -220.3 3433 8751 0 -603.5 -16.78 0
0 0 0 0 0 0 0 0 0 0 0
6145 2535 40.79 9857 2259 1782 -603.5 0 2.123E+005 -72.11 0
1.045 -7.018 -0.5717 -12.82 9.217 -3.765 -16.78 0 -72.11 3.642 0
0 0 0 0 0 0 0 0 0 0 48.33

m2

122

73.55 12.72 8.518 95.69 21.93 153.9 50.07 0.2229 548 5.274 8.3
51.72 21.17 17.08 69.49 24.98 88.2 83.85 1.593 303.9 7.961 6.952
2675 -43.79 161.6 7.188 107.2 -22.81 -73.72 -4.285 47.15 -14.82 0
-43.79 448 33.61 -126.5 46.52 -153.1 62.12 -2.293 -289.4 -27.3 0
161.6 33.61 291.6 176.8 3.412 192.8 -15.75 -0.9524 555.2 -17.13 0
7.188 -126.5 176.8 4829 -229.1 263.6 629.3 -1.772 -2323 29.88 0
107.2 46.52 3.412 -229.1 623.8 134.4 -73.3 2.865 159.4 13.12 0
-22.81 -153.1 192.8 263.6 134.4 7780 -835.7 -17.15 268 30.9 0
-73.72 62.12 -15.75 629.3 -73.3 -835.7 7031 19.77 -1503 -10.68 0
-4.285 -2.293 -0.9524 -1.772 2.865 -17.15 19.77 2.539 9.683 0.3171 0
47.15 -289.4 555.2 -2323 159.4 268 -1503 9.683 92330 263.7 0
-14.82 -27.3 -17.13 29.88 13.12 30.9 -10.68 0.3171 263.7 63.38 0
0 0 0 0 0 0 0 0 0 0 48.33

m3

179

94.26 13.16 17.65 122.2 22.8 196.6 60.12 0.6935 579.4 5.854 8.3
62.58 21.93 38.73 85.55 35.75 115.1 97.05 7.307 333.6 12.79 6.952
3916 -133.1 261.8 926.2 176.7 -439.4 267.2 13.26 3779 -103.2 0
-133.1 481 105.3 148.2 43.91 15.15 -42.57 -1.763 -417 -6.729 0
261.8 105.3 1500 374.4 37.38 285.3 496.1 -1.132 659 61.4 0
926.2 148.2 374.4 7320 504.7 295.4 -431.7 85.64 3539 108.3 0
176.7 43.91 37.38 504.7 1278 -41.15 -222 68.96 0 37.02 0
-439.4 15.15 285.3 295.4 -41.15 13250 -245.8 -42.05 921.7 344.4 0
267.2 -42.57 496.1 -431.7 -222 -245.8 9418 38.29 -1133 -22.33 0
13.26 -1.763 -1.132 85.64 68.96 -42.05 38.29 53.39 -12.19 0 0
3779 -417 659 3539 0 921.7 -1133 -12.19 1.113E+005 -123.7 0
-103.2 -6.729 61.4 108.3 37.02 344.4 -22.33 0 -123.7 163.5 0
0 0 0 0 0 0 0 0 0 0 48.33

m4

192

122.6 23.93 21.65 163.7 23.44 251.6 79.8 1.255 693.1 4.9 8.3
70.17 38.04 31.2 111.2 33.49 167.1 136.8 12.21 408.4 9.483 6.952
4924 -411.1 142.3 1014 -77.55 -1396 1132 2.57 3009 30.61 0
-411.1 1447 51.03 249.6 77.71 -38.15 -400.6 13.94 -2595 -33.19 0
142.3 51.03 973.2 620.9 179.7 865.5 452.3 -22.86 1210 18.93 0
1014 249.6 620.9 12360 242 1022 2235 5.431 2134 -167.7 0
-77.55 77.71 179.7 242 1122 1461 407.6 -10.63 -341.9 -13.34 0
-1396 -38.15 865.5 1022 1461 27930 342.9 -128.6 8942 34.87 0
1132 -400.6 452.3 2235 407.6 342.9 18700 -100.2 15860 9.079 0
2.57 13.94 -22.86 5.431 -10.63 -128.6 -100.2 149.1 34.91 -5.558 0
3009 -2595 1210 2134 -341.9 8942 15860 34.91 1.668E+005 193.7 0
30.61 -33.19 18.93 -167.7 -13.34 34.87 9.079 -5.558 193.7 89.94 0
0 0 0 0 0 0 0 0 0 0 48.33

m5

160

183.3 25.34 28.7 192.1 30.02 267.6 64.07 1.23 748.3 8.699 8.3
100.5 38.27 41.66 140.8 41.91 163.6 111.7 7.951 537.8 15.54 6.952
10100 -765.3 380.9 2661 644.4 1134 -953.8 12.78 3189 -40.59 0
-765.3 1465 130.7 -274.9 -154 -206.6 -68.37 -23.43 -1297 63.02 0
380.9 130.7 1735 170.1 -68.09 715.4 930.3 -29.48 492.8 67.31 0
2661 -274.9 170.1 19840 1340 1820 3649 -160.1 20680 271.3 0
644.4 -154 -68.09 1340 1756 -233.1 294.8 -34.99 -2186 -34.51 0
1134 -206.6 715.4 1820 -233.1 26750 1644 -22.11 25330 543.8 0
-953.8 -68.37 930.3 3649 294.8 1644 12470 -69.25 19520 208.2 0
12.78 -23.43 -29.48 -160.1 -34.99 -22.11 -69.25 63.21 -384.8 -6.794 0
3189 -1297 492.8 20680 -2186 25330 19520 -384.8 2.892E+005 1721 0
-40.59 63.02 67.31 271.3 -34.51 543.8 208.2 -6.794 1721 241.4 0
0 0 0 0 0 0 0 0 0 0 48.33

m6

656

```
180.7 24.12 45.23 201.8 39.23 204.6 84.42 3.55 332.7 11.91 8.3
132 42.6 56.91 144.8 48.64 145.7 143.5 18.3 361.3 21.45 6.952
17430 -1293 112.7 1758 359.5 115.4 -795.6 -96.65 47.7 42.48 0
-1293 1815 208.5 -49.34 64.23 6.209 -220.1 -3.119 -1062 -103.3 0
112.7 208.5 3239 156.5 171.6 613.8 138.8 68.75 390.7 56.17 0
1758 -49.34 156.5 20960 204.2 801.7 1413 -74.19 4708 -208.1 0
359.5 64.23 171.6 204.2 2365 170.1 307.1 -27.6 -1300 -6.261 0
115.4 6.209 613.8 801.7 170.1 21240 1694 -112 7689 18.76 0
-795.6 -220.1 138.8 1413 307.1 1694 20590 -160.2 3007 692.7 0
-96.65 -3.119 68.75 -74.19 -27.6 -112 -160.2 335 -165.3 11 0
47.7 -1062 390.7 4708 -1300 7689 3007 -165.3 1.306E+005 457.4 0
42.48 -103.3 56.17 -208.1 -6.261 18.76 692.7 11 457.4 460.3 0
0 0 0 0 0 0 0 0 0 0 48.33
```

m7

25

```
31.85 11.94 0.6839 44.64 4.637 60.88 71.9 0 862 1.253 8.3
57.26 25.67 3.439 58.63 11.48 67.23 74.64 0 489.1 4.502 6.952
3279 4.409 0.9848 3.358 170.2 565.9 2483 0 -3585 -5.414 0
4.409 658.8 -8.563 15.05 -57.74 -136.3 431 0 -2724 -7.51 0
0.9848 -8.563 11.83 89.74 -3.316 35.15 -35.17 0 -181.7 14.91 0
3.358 15.05 89.74 3438 192.5 1458 26.26 0 -9377 126.7 0
170.2 -57.74 -3.316 192.5 131.8 157.4 59.12 0 -44.91 2.79 0
565.9 -136.3 35.15 1458 157.4 4520 838 0 3518 43.28 0
2483 431 -35.17 26.26 59.12 838 5571 0 -11350 -38.64 0
0 0 0 0 0 0 0 0 0 0 0
-3585 -2724 -181.7 -9377 -44.91 3518 -11350 0 2.392E+005 -158.5 0
-5.414 -7.51 14.91 126.7 2.79 43.28 -38.64 0 -158.5 20.27 0
0 0 0 0 0 0 0 0 0 0 48.33
```

m8

122

```
64.29 13.6 9.454 82.75 22.55 138.5 57.68 0.05779 587.9 4.174 8.3
44.24 19.64 17.99 61.41 30.06 75.01 80.12 0.3302 305.2 8.834 6.952
1957 -66.04 147.2 649.3 -18.62 172.5 -365.1 -0.5113 -540 -73.47 0
-66.04 385.8 30.75 -43.42 69.68 135.5 107 0.4606 -335.7 -24.12 0
147.2 30.75 323.7 32.04 -36.24 -9.446 -57.66 -0.2793 -274.6 -27.5 0
649.3 -43.42 32.04 3771 144 198.1 -433 -2.515 -993.3 -2.712 0
-18.62 69.68 -36.24 144 903.8 -216.5 -187.9 0.1489 -550.5 -15.14 0
172.5 135.5 -9.446 198.1 -216.5 5626 192.3 0.1238 -68.67 9.276 0
-365.1 107 -57.66 -433 -187.9 192.3 6420 -0.7938 807 -24.06 0
-0.5113 0.4606 -0.2793 -2.515 0.1489 0.1238 -0.7938 0.1091 -7.156 0.1517 0
-540 -335.7 -274.6 -993.3 -550.5 -68.67 807 -7.156 93140 226.5 0
-73.47 -24.12 -27.5 -2.712 -15.14 9.276 -24.06 0.1517 226.5 78.03 0
0 0 0 0 0 0 0 0 0 0 48.33
```

m9

154

93.01 16.66 16.52 133.7 18.97 178.7 60.08 0.8173 602.9 5.005 8.3
66.06 24.73 36.27 100.7 29.27 102.7 70.64 7.662 308.3 9.858 6.952
4365 4.901 426.5 86.49 -371.2 -373.1 -149.3 69.34 1650 -131.6 0
4.901 611.4 175.8 -9.961 75.99 114.3 -92.58 5.683 -724.3 -35.1 0
426.5 175.8 1315 32.87 -36.09 -96.82 310 -6.391 1342 53.98 0
86.49 -9.961 32.87 10140 173.9 -1386 -953.4 37.81 186.3 -9.928 0
-371.2 75.99 -36.09 173.9 856.5 -330.6 68.23 -10.54 -2274 39.24 0
-373.1 114.3 -96.82 -1386 -330.6 10540 -486 -33.04 6047 181.2 0
-149.3 -92.58 310 -953.4 68.23 -486 4990 -37.89 3485 29.25 0
69.34 5.683 -6.391 37.81 -10.54 -33.04 -37.89 58.7 205.5 -1.208 0
1650 -724.3 1342 186.3 -2274 6047 3485 205.5 95070 -337.4 0
-131.6 -35.1 53.98 -9.928 39.24 181.2 29.25 -1.208 -337.4 97.18 0
0 0 0 0 0 0 0 0 0 0 48.33

m10

210

97.86 19.9 22.78 133.5 19.58 195.7 78.99 2.345 570 5.362 8.3
66.14 29.6 33.32 95.35 30.72 111.3 100.2 14.36 338.2 11.39 6.952
4375 -489.5 211.6 725.3 -134.1 -721.8 112.6 -60.78 4272 -13.56 0
-489.5 876.1 76.93 143.9 64.56 240.6 -172 0.8499 -961 -38.76 0
211.6 76.93 1110 92.13 176.1 426.6 200.2 -29.66 1059 -14.8 0
725.3 143.9 92.13 9092 489.2 148.6 324.7 84.88 967.4 -72.74 0
-134.1 64.56 176.1 489.2 943.7 -153.9 -270.8 -8.821 -1590 -22.74 0
-721.8 240.6 426.6 148.6 -153.9 12400 457.2 -137.5 7041 -119.2 0
112.6 -172 200.2 324.7 -270.8 457.2 10030 81.97 6469 143.7 0
-60.78 0.8499 -29.66 84.88 -8.821 -137.5 81.97 206.1 -383.6 -9.645 0
4272 -961 1059 967.4 -1590 7041 6469 -383.6 1.144E+005 7.701 0
-13.56 -38.76 -14.8 -72.74 -22.74 -119.2 143.7 -9.645 7.701 129.6 0
0 0 0 0 0 0 0 0 0 0 48.33

m11

194

118.2 16.9 31.15 135.3 19.72 169.3 57.9 2.402 443.9 8.834 8.3
78.75 27.35 45.11 95.98 30.09 109.9 109.8 14.21 350.9 17.62 6.952
6201 -532 582.5 1746 -175.3 -1047 1211 -93.99 -856.5 -9.713 0
-532 748 -12.34 307.1 55.13 375.8 150.2 23.7 1564 -0.4819 0
582.5 -12.34 2035 740.3 54.28 -188.4 847 -37.17 0 -3.974 0
1746 307.1 740.3 9213 86.63 1066 1191 23.18 4681 186 0
-175.3 55.13 54.28 86.63 905.2 82.67 115.6 20.09 -126.7 35.52 0
-1047 375.8 -188.4 1066 82.67 12080 -579.4 -203 5206 -137.5 0
1211 150.2 847 1191 115.6 -579.4 12060 -68.65 5818 77.4 0
-93.99 23.7 -37.17 23.18 20.09 -203 -68.65 201.9 -4.985 6.009 0
-856.5 1564 0 4681 -126.7 5206 5818 -4.985 1.231E+005 840.8 0
-9.713 -0.4819 -3.974 186 35.52 -137.5 77.4 6.009 840.8 310.5 0
0 0 0 0 0 0 0 0 0 0 48.33

m12

923

111.5 22.47 48.49 168.2 25.96 136.3 93.79 3.501 258.9 10.4 8.3
84.88 35.22 59.37 125.8 35.33 107.3 138.6 19.16 256.7 19.13 6.952
7204 -451.4 171.3 405.8 141 -200.4 -1094 -65.06 -980.3 -139.6 0
-451.4 1241 89.91 150.7 12.45 -121 131.8 -16.87 27.12 -33.01 0
171.3 89.91 3524 321.2 138.4 -254.9 839.4 -19.34 -243.8 56.77 0
405.8 150.7 321.2 15830 17.78 121.6 1814 -96.44 2261 52.94 0
141 12.45 138.4 17.78 1249 132.8 39.19 -18.28 489.7 -39.2 0
-200.4 -121 -254.9 121.6 132.8 11520 -1012 -74.05 3444 36.95 0
-1094 131.8 839.4 1814 39.19 -1012 19220 -29.22 711.6 392.4 0
-65.06 -16.87 -19.34 -96.44 -18.28 -74.05 -29.22 367.2 -250.8 -4.398 0
-980.3 27.12 -243.8 2261 489.7 3444 711.6 -250.8 65880 741.2 0
-139.6 -33.01 56.77 52.94 -39.2 36.95 392.4 -4.398 741.2 365.8 0
0 0 0 0 0 0 0 0 0 0 48.33

m13

10

101.1 13.03 70.87 154.1 36.3 203 98.7 0.7018 448.5 5.667 8.3
92.92 18.15 106 116.1 39.34 156 112.8 2.229 394.8 10.37 6.952
8633 -484 -2246 701.3 636 -7304 6186 -79.12 7189 83.81 0
-484 329.4 -708 337.2 -344.8 -382.2 -968.8 -10.2 -1447 -43.09 0
-2246 -708 11240 6130 3011 7226 5013 206.8 -3139 68.14 0
701.3 337.2 6130 13480 1000 -2699 3001 104.1 -5134 -69.82 0
636 -344.8 3011 1000 1547 711.8 2042 58.31 -2345 -114.2 0
-7304 -382.2 7226 -2699 711.8 24330 -2904 171.8 22720 428.5 0
6186 -968.8 5013 3001 2042 -2904 12730 0.2516 10560 370.9 0
-79.12 -10.2 206.8 104.1 58.31 171.8 0.2516 4.969 -261.3 -4.437 0
7189 -1447 -3139 -5134 -2345 22720 10560 -261.3 1.558E+005 1281 0
83.81 -43.09 68.14 -69.82 -114.2 428.5 370.9 -4.437 1281 107.5 0
0 0 0 0 0 0 0 0 0 0 48.33

m14

17

9.295 10.74 0.5632 74.41 7.21 66.37 86.47 0 545.2 0.6556 8.3
28.22 25.81 2.303 89.4 22.83 100.5 136.4 0 506.2 2.716 6.952
796.4 -72.84 23.98 -512.1 -35.44 1523 3186 0 -2200 28.29 0
-72.84 666.2 0 918.3 489.1 939.1 -87.98 0 -4076 0 0
23.98 0 5.304 -1.441 -4.259 -8.564 8.165 0 -253 6.256 0
-512.1 918.3 -1.441 7992 267.4 3235 2596 0 -633.5 -1.7 0
-35.44 489.1 -4.259 267.4 521.2 243.2 -80.94 0 -2785 -5.023 0
1523 939.1 -8.564 3235 243.2 10100 8661 0 -3256 -10.1 0
3186 -87.98 8.165 2596 -80.94 8661 18590 0 -6005 9.63 0
0 0 0 0 0 0 0 0 0 0 0
-2200 -4076 -253 -633.5 -2785 -3256 -6005 0 2.562E+005 -298.4 0
28.29 0 6.256 -1.7 -5.023 -10.1 9.63 0 -298.4 7.378 0
0 0 0 0 0 0 0 0 0 0 48.33

m15

54

82.16 13.81 6.406 106.4 21 132.6 53.32 0 507.4 4.642 8.3
48.67 23 15.33 67.26 26.3 90.74 86.44 0 282.5 8.799 6.952
2369 -255.2 71.61 1169 176.7 194.3 -244 0 13.75 -28.69 0
-255.2 529 -51.82 -338.8 -1.815 137.7 528.8 0 -539.3 -7.69 0
71.61 -51.82 234.9 83.5 91.91 169.7 467.6 0 610.5 36.68 0
1169 -338.8 83.5 4524 233.5 451.7 796.5 0 3211 25.45 0
176.7 -1.815 91.91 233.5 691.8 782.8 229.6 0 -2028 89.33 0
194.3 137.7 169.7 451.7 782.8 8234 141.2 0 5665 250.7 0
-244 528.8 467.6 796.5 229.6 141.2 7471 0 2149 38.03 0
0 0 0 0 0 0 0 0 0 0 0
13.75 -539.3 610.5 3211 -2028 5665 2149 0 79810 109.4 0
-28.69 -7.69 36.68 25.45 89.33 250.7 38.03 0 109.4 77.41 0
0 0 0 0 0 0 0 0 0 0 48.33

m16

71

98.12 13.53 16.75 142.1 15.09 208.4 70.18 0.1073 631.4 7.71 8.3
59.61 21.2 26.91 95.27 22.88 99.98 108.3 0.9164 357.8 15.31 6.952
3553 134 136.4 914.3 53.18 292 400.4 3.332 2538 -220.8 0
134 449.6 133 169.7 -108.2 33.92 25.27 -0.6995 417.3 -59.4 0
136.4 133 724.3 279.5 36.94 675.4 1563 -1.11 -558.5 89.81 0
914.3 169.7 279.5 9076 -296.4 -904.9 495.5 0.6111 -6136 -310.6 0
53.18 -108.2 36.94 -296.4 523.3 217.3 143.8 -1.656 -1580 59.88 0
292 33.92 675.4 -904.9 217.3 9996 1148 -9.254 2433 234.2 0
400.4 25.27 1563 495.5 143.8 1148 11740 -7.745 930.4 482.6 0
3.332 -0.6995 -1.11 0.6111 -1.656 -9.254 -7.745 0.8398 33.77 -0.8558 0
2538 417.3 -558.5 -6136 -1580 2433 930.4 33.77 1.28E+005 104.1 0
-220.8 -59.4 89.81 -310.6 59.88 234.2 482.6 -0.8558 104.1 234.3 0
0 0 0 0 0 0 0 0 0 0 48.33

m17

110

144.7 17.5 18.78 214.3 17.27 239.8 104.5 0.01651 781.8 3.992 8.3
74.04 27.76 26.67 149.8 24.64 113.1 151.6 0.2064 393.4 7.037 6.952
5482 -12.33 -49.37 1797 379.5 1013 -67.35 -1.223 4428 93.78 0
-12.33 770.5 131.8 590.5 104 235.4 744.9 0.5214 393.1 -16.6 0
-49.37 131.8 711.4 675.3 198.5 497.7 1387 0.3468 -954.9 -7.882 0
1797 590.5 675.3 22440 -29.53 1491 5133 -0.9276 4244 -18.97 0
379.5 104 198.5 -29.53 607.2 426.3 758.4 0.01017 -862.8 -12.48 0
1013 235.4 497.7 1491 426.3 12790 4595 2.941 5784 70.02 0
-67.35 744.9 1387 5133 758.4 4595 22980 0.8762 13480 -161.1 0
-1.223 0.5214 0.3468 -0.9276 0.01017 2.941 0.8762 0.0426 4.06 -0.07988 0
4428 393.1 -954.9 4244 -862.8 5784 13480 4.06 1.548E+005 71.98 0
93.78 -16.6 -7.882 -18.97 -12.48 70.02 -161.1 -0.07988 71.98 49.51 0
0 0 0 0 0 0 0 0 0 0 48.33

m18

66

214.5 21.84 34.96 198.5 26.18 290.7 89.14 0 765.3 7.118 8.3
109.7 31.49 47.37 149.4 39.44 163 127.9 0 589.8 12.84 6.952
12030 950 -270.2 1901 1276 -4650 3353 0 7052 129.6 0
950 991.9 367 418.7 151.5 -831.9 -588.1 0 -4978 -59.87 0
-270.2 367 2244 63.68 472.7 409.3 466.5 0 -502.9 -80.92 0
1901 418.7 63.68 22310 948.5 365.3 343.9 0 2291 -88.25 0
1276 151.5 472.7 948.5 1556 -456.6 166.5 0 -5793 -46.6 0
-4650 -831.9 409.3 365.3 -456.6 26580 396.2 0 30100 -295.3 0
3353 -588.1 466.5 343.9 166.5 396.2 16360 0 32970 -180.7 0
0 0 0 0 0 0 0 0 0 0 0
7052 -4978 -502.9 2291 -5793 30100 32970 0 3.479E+005 424.2 0
129.6 -59.87 -80.92 -88.25 -46.6 -295.3 -180.7 0 424.2 165 0
0 0 0 0 0 0 0 0 0 0 48.33

m19

254

189.4 25.77 41.75 244.1 34.38 235.8 92.95 2.898 370.2 10.5 8.3
117.3 42.42 56.03 193.5 45.15 154.2 163.7 17.87 369.6 18.15 6.952
13770 -701.8 105.2 1589 -413.2 -253.3 -1729 -308.3 -1691 102.2 0
-701.8 1800 351.8 1560 67.04 -327.1 -305.6 29.57 -1003 -39.27 0
105.2 351.8 3139 726.4 146.7 -1019 1284 22.03 -1160 80.35 0
1589 1560 726.4 37440 733.9 3252 538.5 -345.9 6079 130 0
-413.2 67.04 146.7 733.9 2039 174.1 672.7 -0.8071 1235 27.87 0
-253.3 -327.1 -1019 3252 174.1 23780 -959.3 16.54 12420 36.39 0
-1729 -305.6 1284 538.5 672.7 -959.3 26800 -43.89 726.1 341.8 0
-308.3 29.57 22.03 -345.9 -0.8071 16.54 -43.89 319.5 -508.7 -26.61 0
-1691 -1003 -1160 6079 1235 12420 726.1 -508.7 1.366E+005 -87.22 0
102.2 -39.27 80.35 130 27.87 36.39 341.8 -26.61 -87.22 329.5 0
0 0 0 0 0 0 0 0 0 0 48.33

m20

16

39.97 25.85 2.856 93.02 9.263 56.34 74 0 492.1 4.104 8.3
72.15 53.71 11.42 95.45 20.01 64.9 110.7 0 452.4 9.226 6.952
5206 2995 -122 461.4 509.8 -1157 6077 0 9824 197.7 0
2995 2884 -78.54 -71.77 -199.9 -411.3 4458 0 2187 270 0
-122 -78.54 130.5 -77.43 61.97 367.8 61.96 0 584 -12.54 0
461.4 -71.77 -77.43 9111 17.19 681.5 -908.6 0 26770 -300.3 0
509.8 -199.9 61.97 17.19 400.6 314.4 199.4 0 2716 -35.82 0
-1157 -411.3 367.8 681.5 314.4 4213 -682.5 0 499.1 -173.1 0
6077 4458 61.96 -908.6 199.4 -682.5 12250 0 200.3 388 0
0 0 0 0 0 0 0 0 0 0 0
9824 2187 584 26770 2716 499.1 200.3 0 2.046E+005 -1469 0
197.7 270 -12.54 -300.3 -35.82 -173.1 388 0 -1469 85.12 0
0 0 0 0 0 0 0 0 0 0 48.33

m21

59

```
72.28 17.61 5.592 95.76 22.31 130.9 54.79 0 565.5 4.9 8.3
54.05 31.65 14.94 91.36 33.84 85.97 83.06 0 392.6 10.47 6.952
2922 -54.75 -147 -1052 -181.1 223.1 -749.8 0 1401 -59.97 0
-54.75 1002 20.34 -109.9 123.2 -557.9 70.99 0 2113 -44.4 0
-147 20.34 223.3 -166.6 -36.41 110.5 58.34 0 -704.1 19.71 0
-1052 -109.9 -166.6 8346 -129.8 -471.2 1707 0 -538.1 -20.08 0
-181.1 123.2 -36.41 -129.8 1145 -224 -14.05 0 -1050 -42.85 0
223.1 -557.9 110.5 -471.2 -224 7391 -1243 0 -5097 1.8 0
-749.8 70.99 58.34 1707 -14.05 -1243 6900 0 358.8 148.7 0
0 0 0 0 0 0 0 0 0 0 0
1401 2113 -704.1 -538.1 -1050 -5097 358.8 0 1.542E+005 -1106 0
-59.97 -44.4 19.71 -20.08 -42.85 1.8 148.7 0 -1106 109.6 0
0 0 0 0 0 0 0 0 0 0 48.33
```

m22

98

```
107.6 13.16 10.11 147 10.35 190.9 78.53 0.08256 588.6 6.756 8.3
64.67 21.34 18.08 94.55 16.24 111.8 137.4 0.7761 311.8 13 6.952
4182 -74.52 142.7 794.8 -22.06 -2047 -1839 -1.305 -604.9 83.2 0
-74.52 455.4 21.61 347 37.78 -377.1 82.1 3.494 885 -38.27 0
142.7 21.61 327 135.1 9.399 362 154 0.6315 -197.3 -20.44 0
794.8 347 135.1 8939 109 42.3 1247 6.163 5572 -206.4 0
-22.06 37.78 9.399 109 263.8 -49.05 129.4 -0.8193 -217.8 -7.599 0
-2047 -377.1 362 42.3 -49.05 12510 2981 -4.34 -1221 -26.16 0
-1839 82.1 154 1247 129.4 2981 18880 -6.185 12900 -64.28 0
-1.305 3.494 0.6315 6.163 -0.8193 -4.34 -6.185 0.6023 21.54 -0.5345 0
-604.9 885 -197.3 5572 -217.8 -1221 12900 21.54 97230 510.6 0
83.2 -38.27 -20.44 -206.4 -7.599 -26.16 -64.28 -0.5345 510.6 168.9 0
0 0 0 0 0 0 0 0 0 0 48.33
```

m23

111

```
124.9 15.07 20.64 173.5 16.66 214.8 96.36 4.045 581 5.28 8.3
166.9 26.69 29.95 124.4 30.36 145.2 143.7 32.88 344.9 11.99 6.952
27840 -565.6 219.9 1308 1378 -2810 -2061 65.84 6733 122.1 0
-565.6 712.3 -23.18 428.4 68.88 647.2 694 -60.56 672 -21.77 0
219.9 -23.18 897 678.3 14.55 113.1 692.7 -80.76 712.8 49.58 0
1308 428.4 678.3 15480 -139.8 343.3 2807 -335.5 5064 -53.73 0
1378 68.88 14.55 -139.8 921.9 -136.7 -301 374.4 2220 55.72 0
-2810 647.2 113.1 343.3 -136.7 21090 -1231 -348.6 2103 -146.3 0
-2061 694 692.7 2807 -301 -1231 20640 -363.7 8126 179.2 0
65.84 -60.56 -80.76 -335.5 374.4 -348.6 -363.7 1081 759.9 158.2 0
6733 672 712.8 5064 2220 2103 8126 759.9 1.19E+005 -70.33 0
122.1 -21.77 49.58 -53.73 55.72 -146.3 179.2 158.2 -70.33 143.9 0
0 0 0 0 0 0 0 0 0 0 48.33
```

m24

99

```
108.3 17.66 21.84 148 12.84 183.7 69.57 1.99 398.8 6.785 8.3
77.26 29.54 32.34 119.1 23.93 136 146.9 9.305 316.5 13.43 6.952
5969 -25.1 -144.9 2034 -36.97 -556.8 1407 -35.23 4891 99.6 0
-25.1 872.6 -125.2 116.1 118 220.9 737.5 44.25 -374 11.9 0
-144.9 -125.2 1046 -585.7 -45.66 1460 -213.8 15.35 -2017 78.62 0
2034 116.1 -585.7 14200 501.7 615.7 3185 -135.2 3017 222.4 0
-36.97 118 -45.66 501.7 572.4 452.2 3.514 14.47 -121.2 80 0
-556.8 220.9 1460 615.7 452.2 18490 1438 -58.2 2582 109.6 0
1407 737.5 -213.8 3185 3.514 1438 21570 -94.29 7484 144 0
-35.23 44.25 15.35 -135.2 14.47 -58.2 -94.29 86.57 -253.3 -4.998 0
4891 -374 -2017 3017 -121.2 2582 7484 -253.3 1.002E+005 -395.3 0
99.6 11.9 78.62 222.4 80 109.6 144 -4.998 -395.3 180.3 0
0 0 0 0 0 0 0 0 0 0 48.33
```

m25

399

```
115.3 19.2 41.25 190.4 20.85 142.5 86.28 2.047 247 10.72 8.3
84.24 29.33 54.05 133.8 29.72 97.83 134.2 12.91 232.3 18.91 6.952
7096 -459.6 305 788.8 190.3 214.3 22.61 -72.88 528.3 -41.41 0
-459.6 860.5 185.5 239.4 0 -200.9 -11.81 -18.56 -6.814 0.5547 0
305 185.5 2921 665.1 274.6 158.6 1915 39.08 -226 155.3 0
788.8 239.4 665.1 17890 333.9 745.9 2011 423.2 2983 93.59 0
190.3 0 274.6 333.9 883.1 0 111.7 50.27 -20.71 19.1 0
214.3 -200.9 158.6 745.9 0 9571 971.7 -79.58 2568 37 0
22.61 -11.81 1915 2011 111.7 971.7 18020 -6.932 2058 380.7 0
-72.88 -18.56 39.08 423.2 50.27 -79.58 -6.932 166.7 -108 0 0
528.3 -6.814 -226 2983 -20.71 2568 2058 -108 53960 496.3 0
-41.41 0.5547 155.3 93.59 19.1 37 380.7 0 496.3 357.5 0
0 0 0 0 0 0 0 0 0 0 48.33
```

m26

7

```
138.7 22.36 40.11 187.7 55.95 208.2 126.5 0 406.5 22.8 8.3
65.26 34.12 64.13 103.8 41.82 111.4 206 0 345.5 30.87 6.952
4259 -258.3 -816.1 2372 -1588 -2276 -5269 0 -563.7 -336.4 0
-258.3 1164 -755 -1059 -819.1 3.802 -2305 0 -4397 -288.6 0
-816.1 -755 4113 4275 1668 -1758 12330 0 8663 1322 0
2372 -1059 4275 10780 1016 -4974 14140 0 6170 2465 0
-1588 -819.1 1668 1016 1749 1584 6391 0 245.6 840.3 0
-2276 3.802 -1758 -4974 1584 12410 -4727 0 -29830 -581.2 0
-5269 -2305 12330 14140 6391 -4727 42430 0 23200 5239 0
0 0 0 0 0 0 0 0 0 0 0
-563.7 -4397 8663 6170 245.6 -29830 23200 0 1.194E+005 106.6 0
-336.4 -288.6 1322 2465 840.3 -581.2 5239 0 106.6 952.8 0
0 0 0 0 0 0 0 0 0 0 48.33
```


B.7 SPRING 1945

m1

19

```

23.98 14.13 4.832 163.5 8.81 59.11 104 0 796.1 0 6.956
44.24 21.01 15.1 178 21.63 66.1 95.57 0 643.4 0 5.826
1957 453.6 40.08 5582 303.3 643.3 -575 0 -6831 0 0
453.6 441.6 32.68 2024 169.1 1095 737.1 0 -2271 0 0
40.08 32.68 228 88.7 77.1 401.3 -194.8 0 1205 0 0
5582 2024 88.7 31680 635.3 4989 5665 0 -13630 0 0
303.3 169.1 77.1 635.3 468 344.6 204.7 0 2547 0 0
643.3 1095 401.3 4989 344.6 4369 2521 0 6422 0 0
-575 737.1 -194.8 5665 204.7 2521 9135 0 1414 0 0
0 0 0 0 0 0 0 0 0 0 0
-6831 -2271 1205 -13630 2547 6422 1414 0 4.14E+005 0 0
0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 33.94

```

m2

115

```

68.96 9.18 18.8 157.5 35.13 216.7 85.39 0 742.1 4.081 6.956
46.99 13.6 30.2 102.9 38.97 115.2 114.8 0 444.7 6.377 5.826
2208 -11.5 -29.8 570.8 -54.94 -389.8 -528.7 0 1003 -35.96 0
-11.5 185 -32.04 -298.2 37.11 -208.4 213.9 0 266.1 -7.893 0
-29.8 -32.04 912.2 236.3 61.21 191.4 398.8 0 -1370 3.274 0
570.8 -298.2 236.3 10600 248.7 3012 1572 0 -6592 -40.04 0
-54.94 37.11 61.21 248.7 1519 507.3 250.6 0 -121.3 -9.692 0
-389.8 -208.4 191.4 3012 507.3 13270 -912.6 0 973.3 -110.9 0
-528.7 213.9 398.8 1572 250.6 -912.6 13180 0 714.8 92.98 0
0 0 0 0 0 0 0 0 0 0 0
1003 266.1 -1370 -6592 -121.3 973.3 714.8 0 1.977E+005 385.6 0
-35.96 -7.893 3.274 -40.04 -9.692 -110.9 92.98 0 385.6 40.66 0
0 0 0 0 0 0 0 0 0 0 33.94

```

m3

143

```

98.68 14.03 32.89 168.1 23.01 285 84.71 0.1937 820.8 3.946 6.956
85.91 23.75 55.73 120.6 33.6 147.8 108.3 2.013 384.7 7.043 5.826
7380 -469.3 38.3 -621.8 -127 584.1 -158.2 -3.114 -1355 192.4 0
-469.3 564.1 -27.79 -103.1 -31.92 -526.6 213.5 -2.774 -593.9 -16.22 0
38.3 -27.79 3106 2077 118 856.6 211.3 -5.835 1672 38.85 0
-621.8 -103.1 2077 14550 206.7 1070 1019 -14.33 5290 0 0
-127 -31.92 118 206.7 1129 417.2 818.9 -3.383 465.3 -4.259 0
584.1 -526.6 856.6 1070 417.2 21850 416.3 32.44 5402 167.6 0
-158.2 213.5 211.3 1019 818.9 416.3 11730 -16.57 3500 39.67 0
-3.114 -2.774 -5.835 -14.33 -3.383 32.44 -16.57 4.054 -85.2 -0.7799 0
-1355 -593.9 1672 5290 465.3 5402 3500 -85.2 1.48E+005 -24.38 0
192.4 -16.22 38.85 0 -4.259 167.6 39.67 -0.7799 -24.38 49.6 0
0 0 0 0 0 0 0 0 0 0 33.94

```

m4

157

123.9 14.12 42.37 237.7 32.87 352.1 102.6 0.6365 925.5 3.574 6.956
74.04 22.61 61.82 152 51.43 189.1 141.9 3.411 567.4 7.586 5.826
5483 -530.7 975 630.2 -3.808 -2604 788 30.06 3235 32.02 0
-530.7 511.2 39.13 -41.23 234.9 606.9 160.4 -5.707 1796 -22.3 0
975 39.13 3821 2255 -60.41 2034 263.1 17.92 14030 147.7 0
630.2 -41.23 2255 23100 1610 4396 2890 -10.89 16210 208.7 0
-3.808 234.9 -60.41 1610 2645 1838 218.9 25.09 2364 -29.26 0
-2604 606.9 2034 4396 1838 35740 -2119 -3.224 29070 -116.2 0
788 160.4 263.1 2890 218.9 -2119 20130 27.1 -3060 -48.44 0
30.06 -5.707 17.92 -10.89 25.09 -3.224 27.1 11.64 180 -2.277 0
3235 1796 14030 16210 2364 29070 -3060 180 3.22E+005 163.6 0
32.02 -22.3 147.7 208.7 -29.26 -116.2 -48.44 -2.277 163.6 57.55 0
0 0 0 0 0 0 0 0 0 0 33.94

m5

170

192 16.95 63.81 288.6 42.69 380 79.11 1.121 1074 6.418 6.956
108.7 25.52 91.06 197.4 59.24 235.3 111.4 9.161 698.3 11.41 5.826
11820 -202.5 -792 6072 244.8 3224 -678 -40.84 10480 -54.6 0
-202.5 651.2 608.8 820.9 362.9 -324.3 676.3 -16.83 -784.1 -3.204 0
-792 608.8 8291 6505 663.5 -428.6 1450 -46.71 -3243 169.4 0
6072 820.9 6505 38950 900.3 2369 4637 30.73 20810 45.05 0
244.8 362.9 663.5 900.3 3510 -446.2 1062 34.19 1779 56.8 0
3224 -324.3 -428.6 2369 -446.2 55380 3014 -79.77 56860 8.058 0
-678 676.3 1450 4637 1062 3014 12400 -22.44 8087 3.813 0
-40.84 -16.83 -46.71 30.73 34.19 -79.77 -22.44 83.92 -601.3 -5.332 0
10480 -784.1 -3243 20810 1779 56860 8087 -601.3 4.876E+005 -263 0
-54.6 -3.204 169.4 45.05 56.8 8.058 3.813 -5.332 -263 130.3 0
0 0 0 0 0 0 0 0 0 0 33.94

m6

1014

168.9 17.74 85.68 302.1 47.68 281.2 99.93 3.051 448.6 8.37 6.956
113.4 27.51 102.4 224.5 59.24 217.9 174.4 14.29 462.9 14.93 5.826
12870 -387 92.9 3641 134.4 -420.1 -1365 6.486 367.5 -72.8 0
-387 756.9 188.7 407.6 -9.78 -119.9 326.3 -9.439 -547.6 -17.25 0
92.9 188.7 10480 2229 163.8 1138 982.3 -2.927 -1327 93.22 0
3641 407.6 2229 50400 1410 4304 3603 -176.5 13300 261.4 0
134.4 -9.78 163.8 1410 3510 103.3 651.1 8.469 -575.9 56.6 0
-420.1 -119.9 1138 4304 103.3 47460 1140 -137 18250 211.4 0
-1365 326.3 982.3 3603 651.1 1140 30430 -37.4 6056 414 0
6.486 -9.439 -2.927 -176.5 8.469 -137 -37.4 204.3 -410.2 0 0
367.5 -547.6 -1327 13300 -575.9 18250 6056 -410.2 2.143E+005 428.4 0
-72.8 -17.25 93.22 261.4 56.6 211.4 414 0 428.4 222.8 0
0 0 0 0 0 0 0 0 0 0 33.94

m7

18

18.99 7.14 0.04661 133.1 4.167 80.13 167 0 750.1 3.002 6.956
45.08 12.76 0.202 172 10.91 85.9 205.1 0 543.1 12.27 5.826
2032 299.2 -0.3641 868.2 -39.85 1212 6426 0 -758.9 -59.17 0
299.2 162.9 -0.3609 994.4 3.344 36.18 1469 0 34.66 -21.61 0
-0.3641 -0.3609 0.04079 -3.856 0.3329 12.75 -6.339 0 -1.865 -0.1511 0
868.2 994.4 -3.856 29580 -281.6 -251.1 -1799 0 17370 -82.28 0
-39.85 3.344 0.3329 -281.6 119.1 156.6 -11.19 0 -907 -8.167 0
1212 36.18 12.75 -251.1 156.6 7378 1956 0 3452 -187.6 0
6426 1469 -6.339 -1799 -11.19 1956 42080 0 -1114 135.9 0
0 0 0 0 0 0 0 0 0 0 0
-758.9 34.66 -1.865 17370 -907 3452 -1114 0 2.95E+005 -2332 0
-59.17 -21.61 -0.1511 -82.28 -8.167 -187.6 135.9 0 -2332 150.5 0
0 0 0 0 0 0 0 0 0 0 33.94

m8

85

60.13 6.345 12.21 125.6 33.87 178.4 89.78 0 584.8 5.053 6.956
41.31 12.82 19.84 95.93 34.85 115.1 118.2 0 342.3 6.859 5.826
1707 -137.1 141.8 -47.56 28.79 1526 1719 0 -579.9 42.79 0
-137.1 164.2 -4.577 -40.57 -49.57 -118 56.07 0 -210.6 -2.285 0
141.8 -4.577 393.6 451.1 64.99 586.6 30.49 0 -339.6 4.626 0
-47.56 -40.57 451.1 9203 942.8 2793 -499.1 0 4565 12.5 0
28.79 -49.57 64.99 942.8 1214 -116.3 -597.4 0 811.2 49.95 0
1526 -118 586.6 2793 -116.3 13240 3428 0 2324 14.2 0
1719 56.07 30.49 -499.1 -597.4 3428 13980 0 2307 107 0
0 0 0 0 0 0 0 0 0 0 0
-579.9 -210.6 -339.6 4565 811.2 2324 2307 0 1.172E+005 443.8 0
42.79 -2.285 4.626 12.5 49.95 14.2 107 0 443.8 47.04 0
0 0 0 0 0 0 0 0 0 0 33.94

m9

132

90.56 12.1 34.3 194.7 25 269.4 100.3 0.429 783 4.355 6.956
69.01 20.47 47.9 143 35.69 164.8 139.9 4.041 392.3 7.292 5.826
4763 -114.4 641.3 661.4 145.3 864.5 -202.8 -17.01 -2112 79.51 0
-114.4 418.9 92.15 -43.91 19.72 -337.3 171.8 4.135 -353.3 -14.33 0
641.3 92.15 2294 1905 343.6 1460 985 -4.064 3213 58.67 0
661.4 -43.91 1905 20460 -142.9 7804 2021 -11.56 13520 43.81 0
145.3 19.72 343.6 -142.9 1274 194.1 768.9 -1.586 1624 -24.98 0
864.5 -337.3 1460 7804 194.1 27170 2721 -52.61 23670 133.4 0
-202.8 171.8 985 2021 768.9 2721 19570 -35.05 -1976 137.7 0
-17.01 4.135 -4.064 -11.56 -1.586 -52.61 -35.05 16.33 -107.8 -1.856 0
-2112 -353.3 3213 13520 1624 23670 -1976 -107.8 1.539E+005 -20.02 0
79.51 -14.33 58.67 43.81 -24.98 133.4 137.7 -1.856 -20.02 53.17 0
0 0 0 0 0 0 0 0 0 0 33.94

m10

179

104.2 11.16 39.82 205.2 27.17 300.8 93.03 0.9271 794.7 4.375 6.956
62.3 15.77 63.18 146.3 45.22 167.8 131.3 6.449 460.5 8.035 5.826
3881 23.58 814.8 1796 462 -1767 98.14 -39.77 -2611 26.53 0
23.58 248.6 199.3 161.5 37.07 -142.9 236 -6.711 508.3 -3.421 0
814.8 199.3 3992 1932 1034 1930 1501 -19.96 5237 120.8 0
1796 161.5 1932 21410 1475 908.4 3688 -66.05 10440 32.92 0
462 37.07 1034 1475 2044 -151.7 973.5 38.78 1645 33.79 0
-1767 -142.9 1930 908.4 -151.7 28150 -2159 60.59 15610 209 0
98.14 236 1501 3688 973.5 -2159 17230 -25.4 6227 -35.86 0
-39.77 -6.711 -19.96 -66.05 38.78 60.59 -25.4 41.58 -181.1 -1.71 0
-2611 508.3 5237 10440 1645 15610 6227 -181.1 2.121E+005 99.91 0
26.53 -3.421 120.8 32.92 33.79 209 -35.86 -1.71 99.91 64.56 0
0 0 0 0 0 0 0 0 0 0 33.94

m11

165

107.1 15.85 51.28 197.5 27.4 253.9 79.46 1.183 558.8 5.18 6.956
67.86 22.01 69.1 163.7 38.34 188.4 168.5 6.061 451.6 8.905 5.826
4604 -209 726.8 2466 -41.63 -2045 3522 -26.73 2635 -69.49 0
-209 484.2 -16.73 381.9 32.9 178.2 -29.67 -6.936 775.1 -1.96 0
726.8 -16.73 4775 1674 227.9 1276 535.7 -10.89 8145 175.4 0
2466 381.9 1674 26800 790.9 4318 -855.4 -100.2 10650 -2.916 0
-41.63 32.9 227.9 790.9 1470 1408 84.01 -12.78 571.4 61.8 0
-2045 178.2 1276 4318 1408 35490 -1746 -17.13 19570 90.59 0
3522 -29.67 535.7 -855.4 84.01 -1746 28410 -50.05 10120 -106.6 0
-26.73 -6.936 -10.89 -100.2 -12.78 -17.13 -50.05 36.74 -84.85 -3.616 0
2635 775.1 8145 10650 571.4 19570 10120 -84.85 2.039E+005 0 0
-69.49 -1.96 175.4 -2.916 61.8 90.59 -106.6 -3.616 0 79.3 0
0 0 0 0 0 0 0 0 0 0 33.94

m12

1281

102.7 14.21 82.95 216 32.22 194.9 85.91 2.532 335.1 8.031 6.956
74.91 24.44 91.58 155 44.74 150.4 136.9 13.82 338.4 13.07 5.826
5611 -314.9 -144.1 1439 167.6 -202.8 -635.9 -24.84 709.8 -47 0
-314.9 597.2 96.24 90.89 -3.28 -158 93.68 17.9 -165.4 -23.96 0
-144.1 96.24 8388 1306 69.66 55.09 1442 91.11 -155 124.5 0
1439 90.89 1306 24010 485.3 2027 3925 -42.82 5925 28.36 0
167.6 -3.28 69.66 485.3 2002 -201.8 49 22.25 -151.4 -21.05 0
-202.8 -158 55.09 2027 -201.8 22620 555.9 -110.1 8550 21.62 0
-635.9 93.68 1442 3925 49 555.9 18740 7.567 3845 298.9 0
-24.84 17.9 91.11 -42.82 22.25 -110.1 7.567 190.9 -369.4 -2.167 0
709.8 -165.4 -155 5925 -151.4 8550 3845 -369.4 1.145E+005 327.3 0
-47 -23.96 124.5 28.36 -21.05 21.62 298.9 -2.167 327.3 170.9 0
0 0 0 0 0 0 0 0 0 0 33.94

m13

12

```
164.4 12.8 63.5 149.9 54.63 317.6 106.6 0 807.1 11.27 6.956
151.2 14.5 45.99 97.4 55.61 161.1 124.8 0 603.1 8.979 5.826
22850 -760.5 -1932 -7699 -1782 12350 -6716 0 -1276 901.2 0
-760.5 210.3 428.1 549.4 129.8 -170.5 973.7 0 3883 -35.93 0
-1932 428.1 2115 241.9 554.9 2689 5120 0 1609 -68.96 0
-7699 549.4 241.9 9486 1554 -3531 1386 0 704.9 -9.619 0
-1782 129.8 554.9 1554 3093 -17.92 999.5 0 11000 24.97 0
12350 -170.5 2689 -3531 -17.92 25960 3982 0 -1263 668.3 0
-6716 973.7 5120 1386 999.5 3982 15580 0 -2710 -14.57 0
0 0 0 0 0 0 0 0 0 0 0
-1276 3883 1609 704.9 11000 -1263 -2710 0 3.638E+005 -422.4 0
901.2 -35.93 -68.96 -9.619 24.97 668.3 -14.57 0 -422.4 80.62 0
0 0 0 0 0 0 0 0 0 0 33.94
```

m14

8

```
28.21 6.078 0 152.5 5.373 51.05 59.86 0 766.6 0.9518 6.956
52.25 17.2 0 170.5 15.21 57.84 66.87 0 631.6 2.696 5.826
2731 573.3 0 8268 533.2 1451 -1929 0 -99.02 94.53 0
573.3 295.7 0 1580 -37.39 724.1 -416.2 0 3801 -6.63 0
0 0 0 0 0 0 0 0 0 0 0
8268 1580 0 29070 1748 3521 -7285 0 7430 309.8 0
533.2 -37.39 0 1748 231.3 -73.89 -368.1 0 -3275 41 0
1451 724.1 0 3521 -73.89 3346 158.6 0 23750 -13.1 0
-1929 -416.2 0 -7285 -368.1 158.6 4471 0 4519 -65.26 0
0 0 0 0 0 0 0 0 0 0 0
-99.02 3801 0 7430 -3275 23750 4519 0 3.99E+005 -580.7 0
94.53 -6.63 0 309.8 41 -13.1 -65.26 0 -580.7 7.269 0
0 0 0 0 0 0 0 0 0 0 33.94
```

m15

52

```
64.11 9.48 13.84 125.7 18.48 220.5 52.76 0 597.9 4.334 6.956
47.22 17.02 25.46 89.05 32.25 131.2 70.9 0 330.1 7.847 5.826
2230 -171.2 416.1 -727.5 -150.8 532.8 -87.06 0 -2120 -19.27 0
-171.2 289.6 -103.6 227.3 -62.02 -180.8 196.7 0 -28.08 -1.87 0
416.1 -103.6 648.4 -156.5 -52.56 -514.4 294.3 0 353 -36.97 0
-727.5 227.3 -156.5 7930 864.5 -794.4 88.4 0 -1587 136.3 0
-150.8 -62.02 -52.56 864.5 1040 -194.6 -352.2 0 489.7 20.5 0
532.8 -180.8 -514.4 -794.4 -194.6 17210 -1516 0 2468 6.176 0
-87.06 196.7 294.3 88.4 -352.2 -1516 5027 0 1428 101.8 0
0 0 0 0 0 0 0 0 0 0 0
-2120 -28.08 353 -1587 489.7 2468 1428 0 1.089E+005 352.2 0
-19.27 -1.87 -36.97 136.3 20.5 6.176 101.8 0 352.2 61.58 0
0 0 0 0 0 0 0 0 0 0 33.94
```

m16

72

84.78 10.68 22.7 208.7 21.65 286.6 95.52 0.6504 895.3 3.787 6.956
49.87 14.91 34.55 122.5 29.14 108 104.5 4.705 414.6 5.155 5.826
2487 21.56 346.3 2224 -15.98 312.2 2073 24.87 -682.4 18.51 0
21.56 222.2 40.18 352.5 -74.71 191.5 -14.02 -5.05 599.6 -4.995 0
346.3 40.18 1194 110.1 200.4 -794.5 747.1 -15.12 -1490 61.28 0
2224 352.5 110.1 15010 549.8 1349 2944 -88.19 16000 61.9 0
-15.98 -74.71 200.4 549.8 849 84.93 -51.75 8.637 1244 40.41 0
312.2 191.5 -794.5 1349 84.93 11650 327 -115.3 14320 -43.96 0
2073 -14.02 747.1 2944 -51.75 327 10910 58 10010 169.1 0
24.87 -5.05 -15.12 -88.19 8.637 -115.3 58 22.14 -122.9 -0.4123 0
-682.4 599.6 -1490 16000 1244 14320 10010 -122.9 1.719E+005 -463.9 0
18.51 -4.995 61.28 61.9 40.41 -43.96 169.1 -0.4123 -463.9 26.58 0
0 0 0 0 0 0 0 0 0 0 33.94

m17

99

135.4 10.38 27.7 240.4 22.92 351.4 83.07 0.4497 957.5 4.203 6.956
87.03 17.69 44.09 212.5 32.65 206 122.9 2.553 512.8 8.742 5.826
7574 -95.43 153.5 2108 93.75 806.5 1861 -47.77 4998 -93.58 0
-95.43 312.8 -37.43 221.8 28.29 -320.5 -210.9 0.04516 462.6 2.628 0
153.5 -37.43 1944 1387 108 1326 1658 -6.079 4138 20.81 0
2108 221.8 1387 45160 1478 -8185 2952 -31.47 8827 -241.5 0
93.75 28.29 108 1478 1066 -1311 220.7 -2.417 -251.1 -34.82 0
806.5 -320.5 1326 -8185 -1311 42420 -3013 -11.57 29360 460.9 0
1861 -210.9 1658 2952 220.7 -3013 15110 -19.77 7501 -2.149 0
-47.77 0.04516 -6.079 -31.47 -2.417 -11.57 -19.77 6.518 61.54 -1.897 0
4998 462.6 4138 8827 -251.1 29360 7501 61.54 2.63E+005 416.9 0
-93.58 2.628 20.81 -241.5 -34.82 460.9 -2.149 -1.897 416.9 76.42 0
0 0 0 0 0 0 0 0 0 0 33.94

m18

84

182.1 20.09 49.47 277.6 35.83 344.4 70.36 2.09 997 6.785 6.956
98.34 30.34 60.31 174.5 60.91 220.6 124.6 8.42 744.9 15.46 5.826
9670 -134.3 990.4 3399 2306 -1757 196.1 64.59 10770 -229.5 0
-134.3 920.7 237.9 1255 -201.5 1372 -155 51.36 -6035 -49.72 0
990.4 237.9 3637 3348 -18.37 1543 593.7 -31.49 2920 -74.58 0
3399 1255 3348 30470 2701 962.7 2110 13.23 7151 -240.1 0
2306 -201.5 -18.37 2701 3711 255.3 1070 32.31 6035 0 0
-1757 1372 1543 962.7 255.3 48670 -82.48 46.44 24650 92.08 0
196.1 -155 593.7 2110 1070 -82.48 15530 -87.09 21440 543.2 0
64.59 51.36 -31.49 13.23 32.31 46.44 -87.09 70.9 -395.2 -8.851 0
10770 -6035 2920 7151 6035 24650 21440 -395.2 5.549E+005 -518.1 0
-229.5 -49.72 -74.58 -240.1 0 92.08 543.2 -8.851 -518.1 238.9 0
0 0 0 0 0 0 0 0 0 0 33.94

m19

534

```
172.5 15 72.4 319.4 50.62 302.2 85.41 2.463 498.3 6.434 6.956
108 23.62 93.42 233.2 59.26 197.3 146.4 14.16 489.6 11.02 5.826
11660 -387.7 -211.9 3753 492.8 -916.3 -47.43 -22.94 475.9 -122.6 0
-387.7 557.9 -30.89 16.53 44.79 -18.64 214.4 -21.08 705.4 -14.84 0
-211.9 -30.89 8727 1198 -5.536 2433 943.6 -13.23 -548.9 66.92 0
3753 16.53 1198 54400 1064 -1381 3517 -29.73 456.8 331.6 0
492.8 44.79 -5.536 1064 3512 654.7 763.4 31.05 2118 -51.6 0
-916.3 -18.64 2433 -1381 654.7 38920 2888 -122.9 11880 -58.71 0
-47.43 214.4 943.6 3517 763.4 2888 21430 47.69 645.1 8.067 0
-22.94 -21.08 -13.23 -29.73 31.05 -122.9 47.69 200.6 159.5 15.61 0
475.9 705.4 -548.9 456.8 2118 11880 645.1 159.5 2.397E+005 -286 0
-122.6 -14.84 66.92 331.6 -51.6 -58.71 8.067 15.61 -286 121.5 0
0 0 0 0 0 0 0 0 0 0 33.94
```

m20

14

```
13.93 6.125 0 77.84 0.5752 31.92 68.61 0 727.4 0 6.956
26.86 13.13 0 104.9 2.132 42.98 78.86 0 657.9 0 5.826
721.6 302.6 0 1054 23.08 329.1 1218 0 -3039 0 0
302.6 172.4 0 793.5 20.66 210.5 625.4 0 -630.5 0 0
0 0 0 0 0 0 0 0 0 0 0
1054 793.5 0 11010 139.2 2593 5859 0 18290 0 0
23.08 20.66 0 139.2 4.547 1.925 75.84 0 56.11 0 0
329.1 210.5 0 2593 1.925 1848 1214 0 14760 0 0
1218 625.4 0 5859 75.84 1214 6219 0 -2853 0 0
0 0 0 0 0 0 0 0 0 0 0
-3039 -630.5 0 18290 56.11 14760 -2853 0 4.328E+005 0 0
0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 33.94
```

m21

44

```
63.52 9.676 8.172 145.5 23.04 201.6 60.36 0.1453 725.5 4.24 6.956
40.88 14.13 21.47 123.1 34.58 117.7 91.57 0.9825 360.6 5.813 5.826
1672 70.48 96.56 -35.23 253.1 -264.8 614 7.11 -44.22 -32.8 0
70.48 199.7 -28.82 467.9 41.54 216.3 112.6 -1.472 840.6 -32.77 0
96.56 -28.82 461 370 26.73 -409.5 507.3 -1.245 -1680 11.36 0
-35.23 467.9 370 15160 -902.5 3218 4520 -15.6 -4305 -80.86 0
253.1 41.54 26.73 -902.5 1196 -830.6 -481.3 6.727 -2145 -21.11 0
-264.8 216.3 -409.5 3218 -830.6 13860 -1089 -20.01 7132 -113.6 0
614 112.6 507.3 4520 -481.3 -1089 8385 33.65 -2377 -22.89 0
7.11 -1.472 -1.245 -15.6 6.727 -20.01 33.65 0.9653 -16.65 0.514 0
-44.22 840.6 -1680 -4305 -2145 7132 -2377 -16.65 1.3E+005 -81.74 0
-32.8 -32.77 11.36 -80.86 -21.11 -113.6 -22.89 0.514 -81.74 33.79 0
0 0 0 0 0 0 0 0 0 0 33.94
```

m22

71

92.69 7.945 27.72 214.1 18.64 260.2 99.1 0.2076 838.3 3.117 6.956
59.78 13.29 31.55 141.1 25.03 107.6 128 1.564 397.9 5.997 5.826
3573 -17.48 56.59 3282 -161.6 -186.6 1003 -10.1 -3734 -6.453 0
-17.48 176.6 -18.87 738.9 -18.96 201.7 -149.7 -0.04156 655.7 -3.825 0
56.59 -18.87 995.6 231.6 -22.11 1277 12.12 5.329 2411 -11.16 0
3282 738.9 231.6 19920 -56.51 -577.3 3577 -15.89 7356 -77.86 0
-161.6 -18.96 -22.11 -56.51 626.4 -105.1 -173 7.788 -1982 21.46 0
-186.6 201.7 1277 -577.3 -105.1 11590 509.9 -7.575 1199 127.8 0
1003 -149.7 12.12 3577 -173 509.9 16390 -18.42 -1732 17.66 0
-10.1 -0.04156 5.329 -15.89 7.788 -7.575 -18.42 2.445 4.978 0.1594 0
-3734 655.7 2411 7356 -1982 1199 -1732 4.978 1.583E+005 2.386 0
-6.453 -3.825 -11.16 -77.86 21.46 127.8 17.66 0.1594 2.386 35.96 0
0 0 0 0 0 0 0 0 0 0 33.94

m23

79

100.3 10.97 34.04 205.5 17.93 253.8 91.26 0.2975 776.9 1.92 6.956
74.32 15.65 49.2 141.8 27.26 123 126.6 1.591 433.5 4.367 5.826
5524 -252.3 -157.2 2381 -133.7 27.41 -781.2 7.57 7925 -47.06 0
-252.3 244.8 -31.56 141.9 6.397 69.26 -63.41 -1.519 -915.6 0.205 0
-157.2 -31.56 2421 1172 -89.86 -78.64 984.5 14.09 1791 4.942 0
2381 141.9 1172 20090 738 557.7 -448.8 0.6767 13520 -31.57 0
-133.7 6.397 -89.86 738 743 -338.5 -448.8 1.171 -1441 -5.237 0
27.41 69.26 -78.64 557.7 -338.5 15120 -389.3 -21.91 14390 49.93 0
-781.2 -63.41 984.5 -448.8 -448.8 -389.3 16040 -15.52 4282 -91.25 0
7.57 -1.519 14.09 0.6767 1.171 -21.91 -15.52 2.532 -35.18 -0.03475 0
7925 -915.6 1791 13520 -1441 14390 4282 -35.18 1.879E+005 71.93 0
-47.06 0.205 4.942 -31.57 -5.237 49.93 -91.25 -0.03475 71.93 19.07 0
0 0 0 0 0 0 0 0 0 0 33.94

m24

88

108.2 8.113 44.71 200.9 14.9 204.2 70.85 0.429 691.2 5.306 6.956
80.61 15.82 68.45 161.4 30.23 136.7 129.1 2.871 533.4 13.3 5.826
6498 -52.27 347.6 3317 104.8 540.1 1145 -5.324 11010 56.83 0
-52.27 250.1 -37.89 393 -44.47 216.2 -36.75 -1.544 -1383 -16.2 0
347.6 -37.89 4686 1734 701.5 -954.7 4251 2.359 4673 -45.52 0
3317 393 1734 26040 1107 -286.9 4562 -19.92 16870 -251.1 0
104.8 -44.47 701.5 1107 914 -504.3 1421 -0.9549 -483.8 9.651 0
540.1 216.2 -954.7 -286.9 -504.3 18700 -2136 22.38 9481 120 0
1145 -36.75 4251 4562 1421 -2136 16670 -30.77 14390 -53.23 0
-5.324 -1.544 2.359 -19.92 -0.9549 22.38 -30.77 8.245 75.05 -2.291 0
11010 -1383 4673 16870 -483.8 9481 14390 75.05 2.845E+005 -1199 0
56.83 -16.2 -45.52 -251.1 9.651 120 -53.23 -2.291 -1199 176.9 0
0 0 0 0 0 0 0 0 0 0 33.94

m25

608

```
106.1 12.79 77.94 218.2 28.58 200.4 80.31 1.605 344.7 6.789 6.956
78.45 22.67 97.33 156.1 38.5 136.6 120.3 9.389 339.8 11.14 5.826
6155 -252.5 -244.4 1163 63.42 235.8 -66.04 -28.73 639.9 -61.15 0
-252.5 513.7 -44.12 38.91 21.81 34.05 141.7 -10.43 -61.62 -5.805 0
-244.4 -44.12 9474 1474 -101.2 106.4 2505 -23.76 1158 84.54 0
1163 38.91 1474 24360 90.12 1066 1971 32.24 5516 109.5 0
63.42 21.81 -101.2 90.12 1482 184 162 11.93 -680.3 -9.431 0
235.8 34.05 106.4 1066 184 18660 65.71 21.8 8588 -10.65 0
-66.04 141.7 2505 1971 162 65.71 14460 -44.04 2370 96.42 0
-28.73 -10.43 -23.76 32.24 11.93 21.8 -44.04 88.15 -15.95 -0.6273 0
639.9 -61.62 1158 5516 -680.3 8588 2370 -15.95 1.155E+005 189.2 0
-61.15 -5.805 84.54 109.5 -9.431 -10.65 96.42 -0.6273 189.2 124 0
0 0 0 0 0 0 0 0 0 0 33.94
```

m26

8

```
82.78 11.38 55.88 173.5 56 210.2 74.46 11.37 853.6 6.373 6.956
59.22 17.24 73.16 125.2 58.54 117 92.05 28.62 507.3 6.038 5.826
3506 -456.3 2396 370.7 -714.1 -4426 -1434 486.3 -4506 -129.1 0
-456.3 297.1 -546 -1099 234.1 1545 1241 -148 -227.4 -41.21 0
2396 -546 5352 -1319 -299.8 -4938 -2788 -600.9 -26280 -9.276 0
370.7 -1099 -1319 15680 -2324 -4687 -4702 -566.1 14160 341.7 0
-714.1 234.1 -299.8 -2324 3427 2465 -1002 303.2 -1247 -127.2 0
-4426 1545 -4938 -4687 2465 13680 5503 -652.8 17860 -327 0
-1434 1241 -2788 -4702 -1002 5503 8474 -142.3 13730 -107.8 0
486.3 -148 -600.9 -566.1 303.2 -652.8 -142.3 818.9 9146 -19.87 0
-4506 -227.4 -26280 14160 -1247 17860 13730 9146 2.573E+005 -193 0
-129.1 -41.21 -9.276 341.7 -127.2 -327 -107.8 -19.87 -193 36.45 0
0 0 0 0 0 0 0 0 0 0 33.94
```

B.8 SPRING 1965

m1

19

```
25.26 22.89 3.128 105.8 7.245 42.35 67.43 0 602.6 0 8.3
46.59 34.03 9.775 115.2 17.79 47.36 61.97 0 487 0 6.952
2171 773.8 27.33 3806 262.7 485.4 -392.7 0 -5446 0 0
773.8 1158 34.27 2121 225.2 1270 774 0 -2784 0 0
27.33 34.27 95.56 37.17 41.04 186.1 -81.78 0 590.3 0 0
3806 2121 37.17 13280 338.2 2314 2378 0 -6678 0 0
262.7 225.2 41.04 338.2 316.4 203 109.1 0 1585 0 0
485.4 1270 186.1 2314 203 2243 1171 0 3482 0 0
-392.7 774 -81.78 2378 109.1 1171 3841 0 694.2 0 0
0 0 0 0 0 0 0 0 0 0 0
-5446 -2784 590.3 -6678 1585 3482 694.2 0 2.372E+005 0 0
0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 48.33
```

m2

115

```
72.64 14.87 12.17 101.9 28.89 155.3 55.37 0 561.7 5.848 8.3
49.49 22.03 19.55 66.64 32.05 82.53 74.45 0 336.6 9.138 6.952
2449 -19.62 -20.32 389.2 -47.58 -294.1 -361.1 0 799.5 -54.27 0
-19.62 485.3 -33.59 -312.7 49.42 -241.8 224.7 0 326.2 -18.32 0
-20.32 -33.59 382.2 99.01 32.58 88.75 167.4 0 -671.2 3.037 0
389.2 -312.7 99.01 4441 132.4 1397 659.8 0 -3230 -37.15 0
-47.58 49.42 32.58 132.4 1027 298.9 133.6 0 -75.5 -11.42 0
-294.1 -241.8 88.75 1397 298.9 6812 -424 0 527.8 -113.9 0
-361.1 224.7 167.4 659.8 133.6 -424 5542 0 350.8 86.4 0
0 0 0 0 0 0 0 0 0 0 0
799.5 326.2 -671.2 -3230 -75.5 527.8 350.8 0 1.133E+005 418.3 0
-54.27 -18.32 3.037 -37.15 -11.42 -113.9 86.4 0 418.3 83.5 0
0 0 0 0 0 0 0 0 0 0 48.33
```

m3

143

```
103.9 22.73 21.29 108.8 18.92 204.2 54.93 0.2312 621.2 5.655 8.3
90.48 38.47 36.07 78.08 27.63 105.9 70.23 2.402 291.2 10.09 6.952
8187 -800.5 26.11 -423.9 -110 440.8 -108 -3.913 -1080 290.4 0
-800.5 1480 -29.14 -108.1 -42.51 -611 224.2 -5.36 -728 -37.66 0
26.11 -29.14 1301 870.4 62.79 397.3 88.68 -4.507 819.3 36.04 0
-423.9 -108.1 870.4 6097 110 496.1 427.8 -11.07 2592 0 0
-110 -42.51 62.79 110 763.3 245.8 436.6 -3.319 289.6 -5.019 0
440.8 -611 397.3 496.1 245.8 11210 193.4 27.73 2929 172.1 0
-108 224.2 88.68 427.8 436.6 193.4 4933 -12.82 1718 36.86 0
-3.913 -5.36 -4.507 -11.07 -3.319 27.73 -12.82 5.772 -76.95 -1.334 0
-1080 -728 819.3 2592 289.6 2929 1718 -76.95 84780 -26.45 0
290.4 -37.66 36.04 0 -5.019 172.1 36.86 -1.334 -26.45 101.9 0
0 0 0 0 0 0 0 0 0 0 48.33
```

m4

157

```
130.5 22.87 27.43 153.9 27.03 252.3 66.55 0.7596 700.5 5.122 8.3
77.99 36.62 40.02 98.38 42.29 135.4 92 4.07 429.5 10.87 6.952
6082 -905.2 664.7 429.6 -3.298 -1965 538.1 37.77 2579 48.32 0
-905.2 1341 41.03 -43.23 312.8 704.3 168.4 -11.03 2202 -51.75 0
664.7 41.03 1601 944.8 -32.15 943.1 110.5 13.84 6875 137 0
429.6 -43.23 944.8 9678 857.1 2039 1213 -8.409 7943 193.6 0
-3.298 312.8 -32.15 857.1 1789 1083 116.7 24.62 1471 -34.48 0
-1965 704.3 943.1 2039 1083 18350 -984.5 -2.756 15760 -119.3 0
538.1 168.4 110.5 1213 116.7 -984.5 8465 20.97 -1502 -45.01 0
37.77 -11.03 13.84 -8.409 24.62 -2.756 20.97 16.57 162.6 -3.894 0
2579 2202 6875 7943 1471 15760 -1502 162.6 1.845E+005 177.4 0
48.32 -51.75 137 193.6 -34.48 -119.3 -45.01 -3.894 177.4 118.2 0
0 0 0 0 0 0 0 0 0 0 48.33
```

m5

170

202.2 27.45 41.3 186.8 35.1 272.2 51.3 1.337 812.8 9.197 8.3
114.5 41.33 58.94 127.8 48.72 168.6 72.21 10.93 528.5 16.36 6.952
13110 -345.5 -540 4140 212 2433 -463 -51.32 8352 -82.41 0
-345.5 1708 638.3 860.7 483.2 -376.3 710.3 -32.53 -961.1 -7.436 0
-540 638.3 3474 2726 353.2 -198.8 608.6 -36.08 -1589 157.1 0
4140 860.7 2726 16320 479.2 1099 1946 23.74 10200 41.79 0
212 483.2 353.2 479.2 2373 -262.8 566.3 33.55 1107 66.93 0
2433 -376.3 -198.8 1099 -262.8 28430 1400 -68.19 30830 8.273 0
-463 710.3 608.6 1946 566.3 1400 5214 -17.36 3969 3.543 0
-51.32 -32.53 -36.08 23.74 33.55 -68.19 -17.36 119.5 -543.1 -9.118 0
8352 -961.1 -1589 10200 1107 30830 3969 -543.1 2.793E+005 -285.3 0
-82.41 -7.436 157.1 41.79 66.93 8.273 3.543 -9.118 -285.3 267.5 0
0 0 0 0 0 0 0 0 0 0 48.33

m6

1014

177.9 28.73 55.46 195.6 39.21 201.4 64.79 3.641 339.6 11.99 8.3
119.5 44.56 66.28 145.3 48.72 156.1 113.1 17.06 350.3 21.39 6.952
14270 -660.1 63.34 2483 116.4 -317 -932.3 8.151 293 -109.9 0
-660.1 1985 197.9 427.4 -13.02 -139.1 342.7 -18.24 -671.3 -40.03 0
63.34 197.9 4392 934.2 87.18 527.6 412.3 -2.261 -650.1 86.48 0
2483 427.4 934.2 21120 750.4 1996 1512 -136.3 6517 242.5 0
116.4 -13.02 87.18 750.4 2373 60.83 347.1 8.31 -358.4 66.69 0
-317 -139.1 527.6 1996 60.83 24360 529.6 -117.1 9897 217 0
-932.3 342.7 412.3 1512 347.1 529.6 12790 -28.94 2972 384.7 0
8.151 -18.24 -2.261 -136.3 8.31 -117.1 -28.94 290.9 -370.5 0 0
293 -671.3 -650.1 6517 -358.4 9897 2972 -370.5 1.227E+005 464.6 0
-109.9 -40.03 86.48 242.5 66.69 217 384.7 0 464.6 457.6 0
0 0 0 0 0 0 0 0 0 0 48.33

m7

18

20.01 11.56 0.03017 86.18 3.426 57.41 108.3 0 567.7 4.303 8.3
47.47 20.67 0.1307 111.3 8.975 61.54 133 0 411.1 17.58 6.952
2254 510.3 -0.2483 592 -34.51 914.5 4389 0 -605 -89.3 0
510.3 427.4 -0.3784 1043 4.453 41.98 1543 0 42.49 -50.15 0
-0.2483 -0.3784 0.01709 -1.616 0.1772 5.914 -2.661 0 -0.9137 -0.1402 0
592 1043 -1.616 12390 -149.9 -116.5 -755.2 0 8513 -76.33 0
-34.51 4.453 0.1772 -149.9 80.55 92.24 -5.969 0 -564.5 -9.624 0
914.5 41.98 5.914 -116.5 92.24 3787 908.6 0 1872 -192.6 0
4389 1543 -2.661 -755.2 -5.969 908.6 17690 0 -546.8 126.3 0
0 0 0 0 0 0 0 0 0 0 0
-605 42.49 -0.9137 8513 -564.5 1872 -546.8 0 1.69E+005 -2529 0
-89.3 -50.15 -0.1402 -76.33 -9.624 -192.6 126.3 0 -2529 309 0
0 0 0 0 0 0 0 0 0 0 48.33

m8

85

```
63.33 10.28 7.905 81.3 27.85 127.8 58.21 0 442.7 7.241 8.3
43.51 20.76 12.84 62.1 28.66 82.43 76.67 0 259.1 9.829 6.952
1893 -233.9 96.68 -32.43 24.94 1151 1174 0 -462.3 64.58 0
-233.9 430.8 -4.798 -42.54 -66.02 -136.9 58.88 0 -258.2 -5.304 0
96.68 -4.798 164.9 189 34.59 272.1 12.8 0 -166.4 4.292 0
-32.43 -42.54 189 3857 501.8 1295 -209.5 0 2237 11.6 0
24.94 -66.02 34.59 501.8 821.1 -68.5 -318.5 0 504.9 58.86 0
1151 -136.9 272.1 1295 -68.5 6795 1593 0 1260 14.58 0
1174 58.88 12.8 -209.5 -318.5 1593 5878 0 1132 99.47 0
0 0 0 0 0 0 0 0 0 0 0
-462.3 -258.2 -166.4 2237 504.9 1260 1132 0 67140 481.3 0
64.58 -5.304 4.292 11.6 58.86 14.58 99.47 0 481.3 96.61 0
0 0 0 0 0 0 0 0 0 0 48.33
```

m9

132

```
95.38 19.6 22.21 126.1 20.56 193 65.01 0.5119 592.6 6.24 8.3
72.69 33.15 31.01 92.59 29.35 118.1 90.71 4.822 296.9 10.45 6.952
5284 -195.2 437.2 451 125.9 652.3 -138.5 -21.38 -1684 120 0
-195.2 1099 96.61 -46.04 26.26 -391.4 180.4 7.991 -433.1 -33.25 0
437.2 96.61 961.4 798.1 182.9 677.3 413.5 -3.139 1574 54.43 0
451 -46.04 798.1 8574 -76.09 3619 848.3 -8.929 6626 40.64 0
125.9 26.26 182.9 -76.09 861.3 114.4 410 -1.556 1011 -29.44 0
652.3 -391.4 677.3 3619 114.4 13940 1264 -44.98 12830 137 0
-138.5 180.4 413.5 848.3 410 1264 8229 -27.12 -969.7 128 0
-21.38 7.991 -3.139 -8.929 -1.556 -44.98 -27.12 23.25 -97.36 -3.174 0
-1684 -433.1 1574 6626 1011 12830 -969.7 -97.36 88170 -21.72 0
120 -33.25 54.43 40.64 -29.44 137 128 -3.174 -21.72 109.2 0
0 0 0 0 0 0 0 0 0 0 48.33
```

m10

179

```
109.8 18.07 25.78 132.8 22.35 215.5 60.32 1.106 601.5 6.27 8.3
65.61 25.54 40.9 94.72 37.18 120.2 85.12 7.695 348.5 11.51 6.952
4305 40.22 555.5 1224 400.1 -1333 67.02 -49.98 -2081 40.04 0
40.22 652.2 208.9 169.3 49.37 -165.8 247.8 -12.97 623.1 -7.94 0
555.5 208.9 1673 809.7 550.5 894.9 630.2 -15.42 2566 112.1 0
1224 169.3 809.7 8971 785.3 421.3 1548 -51.02 5117 30.54 0
400.1 49.37 550.5 785.3 1382 -89.39 519 38.05 1024 39.82 0
-1333 -165.8 894.9 421.3 -89.39 14450 -1003 51.8 8464 214.6 0
67.02 247.8 630.2 1548 519 -1003 7246 -19.65 3056 -33.33 0
-49.98 -12.97 -15.42 -51.02 38.05 51.8 -19.65 59.21 -163.6 -2.924 0
-2081 623.1 2566 5117 1024 8464 3056 -163.6 1.215E+005 108.4 0
40.04 -7.94 112.1 30.54 39.82 214.6 -33.33 -2.924 108.4 132.6 0
0 0 0 0 0 0 0 0 0 0 48.33
```

m11

165

112.8 25.67 33.2 127.8 22.53 181.9 51.52 1.412 422.9 7.423 8.3
71.47 35.64 44.73 106 31.53 135 109.3 7.232 341.8 12.76 6.952
5108 -356.6 495.5 1681 -36.05 -1543 2406 -33.6 2101 -104.9 0
-356.6 1270 -17.54 400.4 43.82 206.8 -31.16 -13.4 950.1 -4.548 0
495.5 -17.54 2001 701.7 121.3 591.7 224.9 -8.412 3991 162.7 0
1681 400.4 701.7 11230 421 2002 -359 -77.41 5216 -2.705 0
-36.05 43.82 121.3 421 994 829.7 44.79 -12.54 355.6 72.83 0
-1543 206.8 591.7 2002 829.7 18210 -811.2 -14.64 10610 93.01 0
2406 -31.16 224.9 -359 44.79 -811.2 11940 -38.73 4968 -99.02 0
-33.6 -13.4 -8.412 -77.41 -12.54 -14.64 -38.73 52.31 -76.63 -6.184 0
2101 950.1 3991 5216 355.6 10610 4968 -76.63 1.168E+005 0 0
-104.9 -4.548 162.7 -2.705 72.83 93.01 -99.02 -6.184 0 162.9 0
0 0 0 0 0 0 0 0 0 0 48.33

m12

1281

108.2 23.01 53.69 139.8 26.5 139.6 55.7 3.022 253.6 11.51 8.3
78.9 39.58 59.29 100.3 36.79 107.7 88.77 16.49 256.1 18.73 6.952
6225 -537.1 -98.23 981.3 145.1 -153 -434.2 -31.22 565.8 -70.94 0
-537.1 1567 100.9 95.28 -4.368 -183.4 98.38 34.59 -202.8 -55.61 0
-98.23 100.9 3515 547.1 37.08 25.55 605.2 70.38 -75.92 115.5 0
981.3 95.28 547.1 10060 258.3 940.3 1647 -33.08 2903 26.31 0
145.1 -4.368 37.08 258.3 1353 -118.9 26.13 21.84 -94.23 -24.81 0
-153 -183.4 25.55 940.3 -118.9 11610 258.3 -94.15 4636 22.2 0
-434.2 98.38 605.2 1647 26.13 258.3 7881 5.854 1887 277.7 0
-31.22 34.59 70.38 -33.08 21.84 -94.15 5.854 271.8 -333.6 -3.706 0
565.8 -202.8 -75.92 2903 -94.23 4636 1887 -333.6 65600 355.1 0
-70.94 -55.61 115.5 26.31 -24.81 22.2 277.7 -3.706 355.1 350.9 0
0 0 0 0 0 0 0 0 0 0 48.33

m13

12

173.1 20.73 41.1 97.05 44.92 227.6 69.1 0 610.9 16.16 8.3
159.2 23.48 29.77 63.05 45.73 115.4 80.93 0 456.5 12.87 6.952
25340 -1297 -1317 -5249 -1543 9317 -4587 0 -1017 1360 0
-1297 551.5 448.8 576 172.9 -197.9 1023 0 4760 -83.4 0
-1317 448.8 886.2 101.3 295.4 1247 2149 0 788.2 -63.97 0
-5249 576 101.3 3975 827.4 -1637 581.7 0 345.4 -8.924 0
-1543 172.9 295.4 827.4 2091 -10.56 532.9 0 6847 29.42 0
9317 -197.9 1247 -1637 -10.56 13320 1850 0 -685 686.2 0
-4587 1023 2149 581.7 532.9 1850 6550 0 -1330 -13.54 0
0 0 0 0 0 0 0 0 0 0 0
-1017 4760 788.2 345.4 6847 -685 -1330 0 2.084E+005 -458.2 0
1360 -83.4 -63.97 -8.924 29.42 686.2 -13.54 0 -458.2 165.6 0
0 0 0 0 0 0 0 0 0 0 48.33

m14

8

```
29.72 9.844 0 98.73 4.418 36.58 38.81 0 580.2 1.364 8.3
55.04 27.85 0 110.4 12.51 41.44 43.36 0 478.1 3.864 6.952
3029 977.9 0 5637 461.8 1095 -1317 0 -78.93 142.7 0
977.9 775.6 0 1657 -49.8 840.2 -437.1 0 4660 -15.39 0
0 0 0 0 0 0 0 0 0 0 0
5637 1657 0 12180 930.2 1633 -3058 0 3641 287.4 0
461.8 -49.8 0 930.2 156.4 -43.53 -196.3 0 -2039 48.31 0
1095 840.2 0 1633 -43.53 1717 73.67 0 12880 -13.45 0
-1317 -437.1 0 -3058 -196.3 73.67 1880 0 2218 -60.64 0
0 0 0 0 0 0 0 0 0 0 0
-78.93 4660 0 3641 -2039 12880 2218 0 2.285E+005 -629.9 0
142.7 -15.39 0 287.4 48.31 -13.45 -60.64 0 -629.9 14.93 0
0 0 0 0 0 0 0 0 0 0 48.33
```

m15

52

```
67.52 15.35 8.961 81.37 15.19 158 34.21 0 452.6 6.211 8.3
49.74 27.56 16.48 57.65 26.52 93.98 45.98 0 249.8 11.25 6.952
2474 -292 283.7 -496 -130.6 402 -59.46 0 -1690 -29.09 0
-292 759.6 -108.6 238.3 -82.6 -209.8 206.5 0 -34.43 -4.339 0
283.7 -108.6 271.7 -65.56 -27.98 -238.6 123.5 0 172.9 -34.29 0
-496 238.3 -65.56 3323 460.2 -368.4 37.1 0 -777.7 126.4 0
-130.6 -82.6 -27.98 460.2 703.4 -114.7 -187.8 0 304.8 24.16 0
402 -209.8 -238.6 -368.4 -114.7 8833 -704.3 0 1338 6.341 0
-59.46 206.5 123.5 37.1 -187.8 -704.3 2114 0 700.6 94.61 0
0 0 0 0 0 0 0 0 0 0 0
-1690 -34.43 172.9 -777.7 304.8 1338 700.6 0 62410 382.1 0
-29.09 -4.339 -34.29 126.4 24.16 6.341 94.61 0 382.1 126.5 0
0 0 0 0 0 0 0 0 0 0 48.33
```

m16

72

```
89.29 17.29 14.69 135.1 17.8 205.3 61.94 0.7761 677.6 5.427 8.3
52.52 24.14 22.37 79.31 23.96 77.34 67.73 5.614 313.8 7.388 6.952
2759 36.78 236.1 1516 -13.84 235.6 1416 31.26 -544 27.94 0
36.78 582.9 42.12 369.6 -99.5 222.2 -14.72 -9.759 735 -11.59 0
236.1 42.12 500.3 46.12 106.6 -368.5 313.6 -11.68 -730 56.84 0
1516 369.6 46.12 6290 292.6 625.7 1236 -68.12 7840 57.42 0
-13.84 -99.5 106.6 292.6 574.1 50.03 -27.59 8.474 774.5 47.62 0
235.6 222.2 -368.5 625.7 50.03 5982 151.9 -98.56 7767 -45.14 0
1416 -14.72 313.6 1236 -27.59 151.9 4588 44.87 4910 157.1 0
31.26 -9.759 -11.68 -68.12 8.474 -98.56 44.87 31.52 -111 -0.7051 0
-544 735 -730 7840 774.5 7767 4910 -111 98490 -503.1 0
27.94 -11.59 56.84 57.42 47.62 -45.14 157.1 -0.7051 -503.1 54.58 0
0 0 0 0 0 0 0 0 0 0 48.33
```

m17

99

142.6 16.81 17.93 155.6 18.85 251.7 53.86 0.5366 724.7 6.024 8.3
91.66 28.64 28.54 137.6 26.84 147.6 79.7 3.046 388.1 12.53 6.952
8401 -162.8 104.6 1437 81.2 608.6 1271 -60.04 3985 -141.2 0
-162.8 820.5 -39.24 232.5 37.68 -371.9 -221.5 0.08727 567 6.1 0
104.6 -39.24 814.6 581.1 57.46 614.9 696.1 -4.695 2027 19.31 0
1437 232.5 581.1 18930 786.6 -3796 1239 -24.31 4325 -224 0
81.2 37.68 57.46 786.6 720.6 -772.4 117.7 -2.372 -156.3 -41.03 0
608.6 -371.9 614.9 -3796 -772.4 21770 -1399 -9.889 15920 473.2 0
1271 -221.5 696.1 1239 117.7 -1399 6353 -15.3 3681 -1.997 0
-60.04 0.08727 -4.695 -24.31 -2.372 -9.889 -15.3 9.281 55.58 -3.244 0
3985 567 2027 4325 -156.3 15920 3681 55.58 1.507E+005 452.2 0
-141.2 6.1 19.31 -224 -41.03 473.2 -1.997 -3.244 452.2 156.9 0
0 0 0 0 0 0 0 0 0 0 48.33

m18

84

191.8 32.54 32.02 179.7 29.46 246.7 45.62 2.493 754.6 9.723 8.3
103.6 49.14 39.04 113 50.09 158.1 80.8 10.05 563.8 22.15 6.952
10730 -229 675.3 2317 1997 -1326 133.9 81.17 8584 -346.4 0
-229 2415 249.4 1316 -268.3 1592 -162.8 99.25 -7398 -115.4 0
675.3 249.4 1524 1403 -9.778 715.8 249.2 -24.32 1431 -69.19 0
2317 1316 1403 12770 1438 446.5 885.6 10.22 3504 -222.8 0
1997 -268.3 -9.778 1438 2509 150.4 570.7 31.71 3756 0 0
-1326 1592 715.8 446.5 150.4 24980 -38.32 39.7 13370 94.54 0
133.9 -162.8 249.2 885.6 570.7 -38.32 6529 -67.38 10520 504.7 0
81.17 99.25 -24.32 10.22 31.71 39.7 -67.38 101 -356.9 -15.13 0
8584 -7398 1431 3504 3756 13370 10520 -356.9 3.179E+005 -562 0
-346.4 -115.4 -69.19 -222.8 0 94.54 504.7 -15.13 -562 490.7 0
0 0 0 0 0 0 0 0 0 0 48.33

m19

534

181.7 24.3 46.87 206.7 41.62 216.5 55.38 2.939 377.2 9.22 8.3
113.8 38.25 60.47 151 48.73 141.4 94.92 16.9 370.6 15.79 6.952
12940 -661.4 -144.5 2559 426.8 -691.4 -32.39 -28.84 379.4 -185.1 0
-661.4 1463 -32.39 17.33 59.65 -21.63 225.1 -40.73 864.7 -34.44 0
-144.5 -32.39 3657 502.2 -2.947 1128 396.1 -10.22 -268.9 62.08 0
2559 17.33 502.2 22800 566.5 -640.3 1476 -22.96 223.8 307.6 0
426.8 59.65 -2.947 566.5 2374 385.7 407 30.47 1318 -60.8 0
-691.4 -21.63 1128 -640.3 385.7 19980 1342 -105.1 6443 -60.28 0
-32.39 225.1 396.1 1476 407 1342 9011 36.9 316.6 7.496 0
-28.84 -40.73 -10.22 -22.96 30.47 -105.1 36.9 285.6 144 26.69 0
379.4 864.7 -268.9 223.8 1318 6443 316.6 144 1.373E+005 -310.2 0
-185.1 -34.44 62.08 307.6 -60.8 -60.28 7.496 26.69 -310.2 249.5 0
0 0 0 0 0 0 0 0 0 0 48.33

m20

14

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14.67 9.92 0 50.39 0.473 22.87 44.49 0 550.5 0 8.3
28.29 21.26 0 67.92 1.753 30.8 51.14 0 497.9 0 6.952
800.4 516.2 0 718.7 19.99 248.3 831.9 0 -2423 0 0
516.2 452.2 0 831.9 27.52 244.3 656.7 0 -772.9 0 0
0 0 0 0 0 0 0 0 0 0 0
718.7 831.9 0 4614 74.08 1203 2459 0 8963 0 0
19.99 27.52 0 74.08 3.075 1.134 40.44 0 34.92 0 0
248.3 244.3 0 1203 1.134 948.4 563.8 0 8004 0 0
831.9 656.7 0 2459 40.44 563.8 2615 0 -1400 0 0
0 0 0 0 0 0 0 0 0 0 0
-2423 -772.9 0 8963 34.92 8004 -1400 0 2.479E+005 0 0
0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 48.33
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m21

44

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66.9 15.67 5.29 94.18 18.94 144.5 39.14 0.1734 549.1 6.076 8.3
43.06 22.89 13.9 79.69 28.44 84.36 59.38 1.172 272.9 8.33 6.952
1854 120.2 65.84 -24.02 219.2 -199.8 419.3 8.936 -35.25 -49.5 0
120.2 523.7 -30.22 490.6 55.32 251 118.2 -2.844 1030 -76.07 0
65.84 -30.22 193.2 155.1 14.23 -189.9 212.9 -0.9614 -823.1 10.54 0
-24.02 490.6 155.1 6351 -480.4 1492 1897 -12.05 -2109 -75.02 0
219.2 55.32 14.23 -480.4 808.6 -489.3 -256.6 6.601 -1335 -24.87 0
-199.8 251 -189.9 1492 -489.3 7116 -505.9 -17.11 3867 -116.6 0
419.3 118.2 212.9 1897 -256.6 -505.9 3525 26.03 -1167 -21.27 0
8.936 -2.844 -0.9614 -12.05 6.601 -17.11 26.03 1.374 -15.04 0.8789 0
-35.25 1030 -823.1 -2109 -1335 3867 -1167 -15.04 74470 -88.66 0
-49.5 -76.07 10.54 -75.02 -24.87 -116.6 -21.27 0.8789 -88.66 69.39 0
0 0 0 0 0 0 0 0 0 0 48.33
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m22

71

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97.62 12.87 17.94 138.6 15.33 186.4 64.26 0.2477 634.5 4.467 8.3
62.96 21.52 20.43 91.36 20.58 77.12 83.01 1.866 301.2 8.594 6.952
3964 -29.81 38.58 2237 -139.9 -140.8 684.6 -12.69 -2977 -9.739 0
-29.81 463.2 -19.78 774.7 -25.25 234 -157.2 -0.08031 803.7 -8.878 0
38.58 -19.78 417.2 97.03 -11.77 592.3 5.087 4.116 1181 -10.36 0
2237 774.7 97.03 8346 -30.08 -267.7 1502 -12.27 3604 -72.23 0
-139.9 -25.25 -11.77 -30.08 423.5 -61.9 -92.25 7.642 -1233 25.29 0
-140.8 234 592.3 -267.7 -61.9 5948 236.9 -6.476 650.4 131.2 0
684.6 -157.2 5.087 1502 -92.25 236.9 6891 -14.25 -850 16.41 0
-12.69 -0.08031 4.116 -12.27 7.642 -6.476 -14.25 3.481 4.495 0.2726 0
-2977 803.7 1181 3604 -1233 650.4 -850 4.495 90700 2.588 0
-9.739 -8.878 -10.36 -72.23 25.29 131.2 16.41 0.2726 2.588 73.85 0
2 0 0 0 0 0 0 0 0 0 48.33
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m23

79

105.7 17.77 22.03 133 14.74 181.8 59.17 0.355 588 2.751 8.3
78.28 25.34 31.85 91.76 22.41 88.09 82.12 1.899 328.1 6.258 6.952
6127 -430.4 -107.2 1623 -115.8 20.69 -533.5 9.513 6318 -71.03 0
-430.4 642.2 -33.09 148.8 8.52 80.36 -66.59 -2.935 -1122 0.4757 0
-107.2 -33.09 1014 491 -47.83 -36.47 413.2 10.89 877.7 4.584 0
1623 148.8 491 8420 392.8 258.7 -188.4 0.5227 6623 -29.29 0
-115.8 8.52 -47.83 392.8 502.4 -199.4 -239.3 1.149 -897.1 -6.172 0
20.69 80.36 -36.47 258.7 -199.4 7760 -180.8 -18.73 7803 51.27 0
-533.5 -66.59 413.2 -188.4 -239.3 -180.8 6743 -12.01 2101 -84.79 0
9.513 -2.935 10.89 0.5227 1.149 -18.73 -12.01 3.606 -31.77 -0.05942 0
6318 -1122 877.7 6623 -897.1 7803 2101 -31.77 1.076E+005 78.02 0
-71.03 0.4757 4.584 -29.29 -6.172 51.27 -84.79 -0.05942 78.02 39.16 0
0 0 0 0 0 0 0 0 0 0 48.33

m24

88

113.9 13.14 28.94 130 12.25 146.3 45.94 0.5119 523.1 7.604 8.3
84.9 25.61 44.31 104.5 24.86 97.96 83.71 3.426 403.7 19.06 6.952
7208 -89.16 237 2262 90.76 407.6 781.8 -6.691 8775 85.77 0
-89.16 656.1 -39.72 412.1 -59.22 250.9 -38.59 -2.984 -1696 -37.59 0
237 -39.72 1963 726.7 373.4 -442.8 1784 1.822 2290 -42.23 0
2262 412.1 726.7 10910 589.5 -133 1915 -15.39 8266 -233 0
90.76 -59.22 373.4 589.5 618 -297.1 757.5 -0.9369 -301.1 11.37 0
407.6 250.9 -442.8 -133 -297.1 9597 -992.3 19.13 5141 123.2 0
781.8 -38.59 1784 1915 757.5 -992.3 7007 -23.81 7063 -49.46 0
-6.691 -2.984 1.822 -15.39 -0.9369 19.13 -23.81 11.74 67.78 -3.918 0
8775 -1696 2290 8266 -301.1 5141 7063 67.78 1.63E+005 -1300 0
85.77 -37.59 -42.23 -233 11.37 123.2 -49.46 -3.918 -1300 363.3 0
0 0 0 0 0 0 0 0 0 0 48.33

m25

608

111.8 20.72 50.46 141.2 23.5 143.5 52.07 1.915 260.9 9.729 8.3
82.63 36.71 63.01 101 31.65 97.86 77.98 11.2 257.2 15.96 6.952
6828 -430.7 -166.6 793.1 54.93 177.9 -45.1 -36.1 510.1 -92.3 0
-430.7 1347 -46.26 40.8 29.05 39.51 148.8 -20.15 -75.54 -13.47 0
-166.6 -46.26 3970 617.5 -53.85 49.33 1051 -18.35 567.2 78.43 0
793.1 40.8 617.5 10210 47.97 494.4 827.2 24.9 2703 101.6 0
54.93 29.05 -53.85 47.97 1002 108.4 86.39 11.7 -423.4 -11.11 0
177.9 39.51 49.33 494.4 108.4 9577 30.52 18.64 4657 -10.93 0
-45.1 148.8 1051 827.2 86.39 30.52 6081 -34.07 1163 89.6 0
-36.1 -20.15 -18.35 24.9 11.7 18.64 -34.07 125.5 -14.41 -1.073 0
510.1 -75.54 567.2 2703 -423.4 4657 1163 -14.41 66160 205.2 0
-92.3 -13.47 78.43 101.6 -11.11 -10.93 89.6 -1.073 205.2 254.7 0
0 0 0 0 0 0 0 0 0 0 48.33

m26

8

87.18	18.44	36.18	112.3	46.05	150.6	48.28	13.56	646.1	9.132	8.3	
62.37	27.92	47.36	81.05	48.14	83.81	59.69	34.15	384	8.652	6.952	
3890	-778.3	1633	252.7	-618.5	-3340	-979.1	611.2	-3592	-194.8	0	
	-778.3	779.4	-572.5	-1152	311.8	1792	1303	-286	-278.7	-95.65	0
1633	-572.5	2243	-552.7	-159.6	-2290	-1170	-464.1	-12870	-8.605	0	
252.7	-1152	-552.7	6569	-1237	-2174	-1974	-437.3	6940	317	0	
	-618.5	311.8	-159.6	-1237	2317	1452	-534.4	297.5	-776.3	-149.9	0
	-3340	1792	-2290	-2174	1452	7024	2556	-558.1	9686	-335.7	0
	-979.1	1303	-1170	-1974	-534.4	2556	3563	-110.1	6738	-100.2	0
611.2	-286	-464.1	-437.3	297.5	-558.1	-110.1	1166	8260	-33.98	0	
	-3592	-278.7	-12870	6940	-776.3	9686	6738	8260	1.474E+005	-209.3	0
	-194.8	-95.65	-8.605	317	-149.9	-335.7	-100.2	-33.98	-209.3	74.86	0
0	0	0	0	0	0	0	0	0	0	48.33	

APPENDIX C

NUMBER OF TRI-CITIANS EATING COLUMBIA RIVER FISH
BY NUMBER OF MEALS AND SPECIES^(a)

(a) Taken from 1971 work done by Battelle researchers J. F. Honstead, T. M. Beetle, and J. K. Soldat.

TABLE C.1. Number of Tri-Citians Eating Columbia River Fish By Number of Meals and Species

A. Number of Fish Per Meal

Meals Per Year	BASS			CATFISH			SPINY RAY			TROUT			WHITEFISH		
	1	2	≥3	1	2	≥3	1	2	≥3	1	2	≥3	1	2	≥3
1	1188	263	87	609	84	48	190	186	60	219	60	47	382	71	12
2	1165	318	19	321	60	48	528	413	272	118	46	24	287	43	12
3	810	154	35	317	78	38	351	373	148	161	107	23	103	48	
4	447	203	63	189	70	58	98	74	117	103	87	42	54		
5	187	60	12	72	11	22	173	156	137	94	12	7	38	11	
6	224	68	35	83	50	31	172	110	64				59	11	
7	193	36	12	65	13	6	41	95	50	104	11		28		
8	162	29		171	37	13	128	91	90				22		
9	97	13	24	13			97	51	40				26		
10	17	6		35		27	25	46	11	6	38				
11	161	36					49	98	49	12	12				
12	91	12		18	12		12	6	12				6	6	
13	108	32		6		6	19	38	26						
14				31	18	12	6	6	17						
15	58	12	12	2		4	6	38							
16	29	26	12	50	22	16	112	39	90				23		
17				44	25	42	6	67	98						
18				6	6		17	34	11						
19					51		19	23	20						
20							4	8		6		12			
21	5	5						13							
22							6		11						
23	12	6		53	5			12	35						
24	11	11				13									
25			12					6	6						

TABLE C.1. Number of Tri-Citians Eating Columbia River Fish By Number of Meals and Species

A. Number of Fish Per Meal (Contd.)

Meals Per Year	BASS			CATFISH			SPINY RAY			TROUT			WHITEFISH		
	1	2	≥3	1	2	≥3	1	2	≥3	1	2	≥3	1	2	≥3
26	11	10			6				61						
27		109			12										
28	51	10						6	12						
29							12	17	8						
30	39	13													
31	35	12		23					16						
32	17	6		5											
34							6	6	12						
36							8	12							
37							6	11	6						
38					6	12	12	12	12						
39				4	4	7		12							
42	12	6													
46				46											
50									13						
51							17		6						
53	12														
55	16														
61							6								
75	11			11			30								
83							12	12							
21				24											

TABLE C.1. Number of Tri-Citians Eating Columbia River Fish By Number of Meals and Species

8. Pounds Per Meal

Meals Per Year	STURGEON			STEELHEAD				SALMON			
	0-1/2	1/2-3/4	3/4-1	0-1/2	1/2-3/4	3/4-1	>1	0-1/2	1/2-3/4	3/4-1	>1
1				6	19						
2				410	166	39	56		8	4	
3	29			238	65	70	28	12	12	6	
4	22			166	68	6	11				
5	25	13		74	24	41	4				
6	19			208	73	28		2	9		
7	15			48	38	11	6				
8				340	70	24	11				
9				21				11	32		
10				41	58	14					
11	24	12	6	90			6	51	13		13
12				31	17			10	10		
13				25	39	4					
14				10	18	6	12				
15				4							
17								29			
18				24	24						
20				17			6				
21	35					6	6				
22				41	9						
23					6			61			
27				24							
28									13		

TABLE C.1. Number of Tri-Citians Eating Columbia River Fish By Number of Meals and Species
B. Pounds Per Meal (Contd.)

Meals Per Year	STURGEON			STEELHEAD				SALMON			
	0-1/2	1/2-3/4	3/4-1	0-1/2	1/2-3/4	3/4-1	>1	0-1/2	1/2-3/4	3/4-1	>1
31				6	7	4	6				
32	11				4	7					
35				15	4						
47				6							
63	6										
86	10	5									
87					13						

TABLE C.2. Total Consumption of Columbia River Fish^(a) by Tri-Citians

Fish Claimed Eaten Per Year^(b)

<u>Species</u>	No. Fish Claimed Caught		Average Pounds Eaten		
	<u>Per Year</u>	<u>Number</u>	<u>Pounds</u>	<u>Meals</u>	<u>Per Meal</u>
Spiny Ray	125,700	93,300	18,700	47,600	0.39
Catfish	59,800	35,800	13,400	24,700	0.54
Bass	63,100	53,100	15,900	39,300	0.40
Whitefish	6,400	4,200	2,500	3,600	0.69
Trout	10,000	7,620	2,290	4,940	0.46
Steelhead	4,300	2,500	9,010	21,600	0.42
Sturgeon	490	240	2,150	7,150	0.29
Salmon	380	180	1,500	3,910	0.38
Other	26,700	360	110	160	0.69
Total	297,000	197,300	65,560	153,300	0.43

(a) Fish caught from the Columbia River downstream from Hanford and above McNary Dam.

(b) Derived from Table C.1.

APPENDIX D

SUMMARY OF TSP COMMENTS AND BATTELLE RESPONSES

APPENDIX D

SUMMARY OF TSP COMMENTS AND BATTELLE RESPONSES

Document Number PNL-7260 HEDRDocument Title Estimation of Food Consumption

Comment Number	Commenter	Page, Paragraph	Comment Summary	Resolution
1.	J. Stohr	Page 5	Distinction is made between information already existing from the study area and surveys of intake from other areas as if they were incompatible with each other. The former data should be used to verify the latter.	NA - Will explore to the extent possible in FY 1992.
2.	JS	Page 15	The two most important food groups were selected without any indication of the total exposure they represent. More information on the other groups reviewed would be useful.	NA - Additional information will be provided in FY 1993 report.
3.	JS	Page 17	Add a more detailed explanation of the milk consumption trend for teen-age females.	NA - Will add graphs with detailed explanations for food consumption report scheduled in FY 1993.
4.	R.L. Morrill		My analysis shows that there is no statistically significant difference in milk consumption by urban or rural residence or by season, or by sex below the age of 10.	Agree. Will consider dropping distinctions for FY 1992 analysis.
5.	RLM		There appear to be problems in the estimate of leafy vegetation consumption in 1945.	Agree. Will be addressed in Food Consumption Methodology Letter Report in mid-1992.
6.	RLM		For the Phase II sensitivity analysis, the ratio back casting must be validated by looking at 1965 and other rational data sets--at least for milk and leafy vegetables.	Agree. Model validation will be addressed in Food Consumption Methodology Letter Report in mid-1992.
NA = No action.				

APPENDIX D

SUMMARY OF TSP COMMENTS AND BATTELLE RESPONSES

Document Number PNL-7260 HEDRDocument Title Estimation of Food Consumption

Comment Number	Commenter	Page, Paragraph	Comment Summary	Resolution
7.	RLM		We need more precise estimate of the distribution of local fish consumption. In this case, the mean may be quite unrepresentative.	Agree. Will include a complete distribution in FY 1993 report.
8.	Glyn G. Caldwell	Page 6, para. 4, lines 5-8	Did PNL staff check with USDA to determine if the original questionnaires or unaggregated data were available?	Yes. 1965 individual data for spring is being requested at this time. It is the only remaining individual intake data.
9.	GGC	Page 7, para. 2, line 6	Omit "the" between "shorter" and "period."	Corrected.
10.	GGC	Page 14, para. 2, lines 3-4	Fish are not independent of other foods, because they are often used as a replacement for meat and poultry.	Agree. Independence assumption will be reevaluated in Food Consumption Methodology Letter Report, mid-1992.
11.	GGC	Tables	Will the extremely large variables and standard deviations render the results unusable?	NA - Phase I level of effort only; more extensive methods currently being explored.
12.	GGC	Tables	Will exact person-specific data from questionnaires improve individual results in final analyses?	Possibly. Depends on assumptions regarding recall bias.
13.	John E. Till	Page 15, line 1	Reference "It appears . . ." Or include data that show the results of preliminary pathway analysis.	Added reference.
NA = No action.				

APPENDIX D

SUMMARY OF TSP COMMENTS AND BATTELLE RESPONSES

Document Number PNL-7260 HEDRDocument Title Estimation of Food Consumption

Comment Number	Commenter	Page, Paragraph	Comment Summary	Resolution
14.	JET	Page 16, last para., 4th line	Daily average milk production is "substantial." What is substantial? We suspect that estimates were biased upwards. Can we be sure? Could data be added to substantiate this?	Sentence was poorly written. Text was revised for clarity.
15.	David Price		The problem with long-term recalls is that people are not likely to remember consumption at specific times in their lives. Glasses may be different sizes.	NA - We are not planning to undertake any food consumption surveys at any time.
16.	RLM	Page 2	We will need more precise estimates in Phase II.	Agree. Options will be presented in Food Consumption Methodology Letter Report, mid-1992.
17.	RLM	Pages 3-6	Some form of local surveys--at least for leafy vegetables and milk--will be needed to corroborate the estimates. Will the CDC surveys be relied upon for this?	Yes.
18.	RLM	Page 8	Does it really assume that consumption does not vary by age, sex, or urbanization (which is totally silly), or does it mean the variances are kept constant?	The variances are constant. Clarification will be made in FY 1993 report.
19.	RLM	Page 8	Indefensible to use the national increase in fish consumption, 1945 to 1977, to assume less use from the Columbia in this area specifically in 1945, when fish were evidently much more abundant than now.	NA - This assumption will be evaluated in Food Consumption Methodology Letter Report, mid-1992.
NA = No action.				

APPENDIX D

SUMMARY OF TSP COMMENTS AND BATTELLE RESPONSES

Document Number PNL-7260 HEDRDocument Title Estimation of Food Consumption

Comment Number	Commenter	Page, Paragraph	Comment Summary	Resolution
20.	RLM		All 36 groups (6 ages, 3 sex/nursing, rural/urban, 4 seasons) are not needed--i.e., across many pairings there are no significant differences, and groups could be collapsed.	Agree. Will explore appropriate cell collapsing in FY 1992 work.
21.	RLM	Page 15, etc.	Sampling uncertainty versus inherent variability: The inherent variation in the amounts of milk or leafy vegetables is what's important, not our confidence in the estimate of mean consumption.	Will provide a complete distribution for milk consumption as well as confidence intervals for key parameters in FY 1993 report.
22.	RLM	Page 35	The sentence, "First, if future sensitivity analysis . . ." is silly, since we know that milk and leafy vegetables are significant. We must get actual distributions of consumption of milk.	Agree. Distributions will be provided in FY 1992 work.
23.	RLM		Check the means and standard deviations from the 1965 survey as a check on the ratio backcasting.	Agree. Will be explored in FY 1992 work.
24.	RLM		The results of this report are intriguing, and show that many of the hypothesized differences (that we asked for) do not in fact exist.	NA
25.	RLM		There is no statistically significant difference whatever in mean milk consumption (or in standard deviations) across the four seasons. Season is completely irrelevant.	Agree.
26.	RLM		There is no difference between urban and rural residence (our surrogate for lifestyle).	Agree.
NA = No action.				

APPENDIX D

SUMMARY OF TSP COMMENTS AND BATTELLE RESPONSES

Document Number PNL-7260 HEDRDocument Title Estimation of Food Consumption

Comment Number	Commenter	Page, Paragraph	Comment Summary	Resolution
27.	RLM	Page 13, Table 1	There is no difference whatever between male and female consumption below the age of ten.	Agree.
28.	RLM		There are no differences for males 10-19.	Agree.
29.	RLM		For milk, we can pool groups as follows: 1) all <1 year, 2) all 1-4, 3) all 5-9, 4) males 10-19, 5) males >20, 6) females 10-14, 7) females 15-19, 8) females >20.	NA - Will propose groupings in Food Consumption Methodology Letter Report, mid-1992.
30.	RLM		The report suggests that vegetable consumption was 1.55 times higher in 1945 than in 1977. This is extremely unlikely for <u>fresh</u> vegetables. Nor is it conceivable that consumption was higher in spring of 1945.	Disparity can be attributed to phenomenon of "victory gardens" during WWII. Produce production and consumption were much higher. This will be explained in FY 1993 report.
31.	RLM		For leafy vegetables, the means are low and the distributions probably skewed. I suggest looking at the distribution from the large sample of all people over 20 (to get the shape) and apply it at all ages.	NA - Will explore this option in FY 1992 work.
32.	RLM		Besides David Price's advice, perhaps we should ask some food/nutrition experts.	We are working with Dave Price to identify such experts. This will be included in FY 1992 work.
33.	RLM		If other foods need to be considered, we will probably need to do similar analysis.	Agree. It will be included in FY 1992 work.
NA = No action.				

APPENDIX D

SUMMARY OF TSP COMMENTS AND BATTELLE RESPONSES

Document Number PNL-7260 HEDRDocument Title Estimation of Food Consumption

Comment Number	Commenter	Page, Paragraph	Comment Summary	Resolution
34.	RLM		Distinguish between uncertainty and variability. With respect to food consumption, it is not the uncertainty of and around the mean that is of importance; what is important is the variability of consumption.	Agree. These decisions will be made by the TSP; focus should be on consumption distribution.
35.	David Price	Page 7, para. 1	Explain why individual intake data are more appropriate than household data for this study.	Individual data provides appropriate age. Sex detail missing in the household data.
36.	DP	Page 8, para. 3	What was the nature of the household survey? What caused the difference between the individual angler and the household survey? Which is more reasonable?	NA - This will be explored in Food Consumption Methodology Letter Report, mid-1992.
37.	DP	Page 8, para. 5	Fish consumption should be "scaled" for age-sex differences. This could be done by using the 1977 NFCS intake data.	NA - This will be explored in Food Consumption Methodology Letter Report, mid-1992.
38.	DP	Page 10	The authors should briefly explain what foods are in each group. Additionally, how are products such as ice cream and cottage cheese being handled?	NA - A complete list of food codes will be included in the food consumption report scheduled in FY 1993.
39.	DP	Page 11, para. 1	Appropriate classification schemes should discern the most important differences.	NA - Appropriate classification will be reevaluated in FY 1992 work.
NA = No action.				

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Comment Number	Commenter	Page, Paragraph	Comment Summary	Resolution
40.	DP	Page 13, Table 1	How was the 1.5536 coefficient for leafy vegetables derived? Is this the coefficient for all fresh vegetables? If so, how is it justified?	See response to comment 30.
41.	DP	Page 16	Why didn't the authors check the amount of bias for infants by using the 1965 individual intake data?	NA - This procedure will be explored in FY 1992 work.
42.	DP	Tables 2-33	Explain the figure for the milk consumption of the child less than one. Is this just for users? Does it include other milk products?	NA - Will determine new groupings for milk products in FY 1992 work. Less aggregation will be used.
43.	M.L. Blazek	Pages 29-33	Do these data reflect substantially increased intake of fresh asparagus around Walla Walla during the growing season?	No. This adjustment will be explored in FY 1992 work.
NA - No action.				

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