# Preliminary Gulf of Mexico Gag Grouper Age Length Keys for 1992-2000 

by

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## Introduction

The gag grouper, Mycteroperca microlepis, is the second most frequently caught grouper in the Gulf of Mexico after the red grouper, Epinephelus morio (Schirripa and Goodyear 1994). Annual total landings of gag grouper ranged from 3.2 million pounds to 5.5 million pounds (about 1450 tons to 2493 tons) from 1986 and 1996 (Schirripa and Legault 1997, Schirripa and Goodyear 1994). Annual commercial landings of the gag have ranged from 1.2 million to 1.8 million pounds ( 544 tons to 817 tons) while estimated annual recreational harvest of the gag varied from 1.5 million to 4.3 million pounds (681 tons to 1951 tons) over this same period (Schirripa and Goodyear 1994, Schirripa and Legault 1997). The dominance of the gag in the overall fisheries production in the Gulf of Mexico is not limited to recent years although the history of recorded removals is short albeit. Earlier investigators noted that the gag and red grouper possibly constituted the majority of groupers landed on the upper west coast of Florida (Springer and Woodburn (1960), Rosen and Robinson (1961) cited in McErlean (1963)). In addition, though red snapper, Lutjanus campechanus, was considered the desirable commercial species, the gag and red grouper dominated the catch providing stability to early commercial fleets in the Gulf of Mexico.

The gag grouper is a demersal serranid that inhabits shallow warm waters in the western Atlantic, distributing from Massachusetts to Rio de Janeiro (Briggs (1958) and Smith (1959) cited in McErlean (1963)). The gag grouper is a winter-spring spawning protogynous hermaphrodite (McErlean and Smith 1964, Collins et al. 1987, Bullock and Smith 1991) that inhabit mainly the reef environment throughout its distribution. Historical information regarding age, growth, and reproduction was provided by McErlean (1963), Manooch and Haimovici (1978), Bullock and Smith (1991), and Hood and Schlieder (1992), Collins et al. 1987, Van Sant et al. 1994, and Harris and Collins (2000). Naughton and Saloman (1985) described gag feeding characteristics. Keener et al. (1988) and Koenig and Coleman (1998) provided extensive accounts of juvenile gag abundance and survival from off South Carolina and the northeastern Gulf of Mexico respectively.

Accurate information on the size and age structure is an important requirement in age or sizebased fisheries population models in order to accurately evaluate stock condition. The two previous evaluations of the status of the Gulf of Mexico gag grouper stock carried out by the National Marine Fisheries Service (NMFS), Southeast Fisheries Science Center (SEFSC) applied virtual population analysis (VPA) models to estimates of total catch at age derived from two different procedures. The 1994 assessment (Schirripa and Goodyear) applied an inverted growth curve to estimate age from length. In the 1997 assessment, Schirripa and Legault applied the method of Goodyear 1997 which took annual catch at length information, observations of gag otolith length at age data and calibrated this information within a VPA framework to an external time series of recruitment. The purpose of this analysis was to review a nine-year time series of gag grouper otolith observations collected by the NMFS, SEFSC and develop age length keys for use in constructing a catch at age matrix for gag grouper as supported by the otolith data.

## Available Data

Gag grouper otolith ages were available for 1992 through 2000 for purposes of developing age length keys. Most age structures were sampled by NMFS port agents during routine sampling activities of commercial and/or recreational catches operating under the cooperative state/federal program funded by NMFS. Collections were made according to the procedures outlined by the Trip Interview Program (TIP) which has been conducted by the NMFS, SEFSC since the early 1980's (Molina 2001, Zweifel 1988). This data collection program had its beginnings as the NMFS, Southeast Fisheries Center (SEFC), Creel Survey and Biological Sampling Program (CSBSP) in 1983. The CSBSP incorporated parts of sampling programs from other states and also surveys within NMFS in the operations guide. These programs included the North Carolina Division of Marine fisheries (NCDMF)(see Epperly 19xx), the NMFS, SEFC Panama City Laboratory Bio-Profiles Program for Coastal Pelagic and Reef Fish (Brusher et el. 1979, Trent and Bane, Palko 1990), and also the Florida Department of Environmental Protection. In general the TIP sampling program aims to conduct random sampling of fishing trips for purposes of obtaining samples of catch size frequency and associated trip specific data on catch per unit of effort and species catch composition. In the early years of the program primarily commercial trips were targeted for sampling. In addition, biological data (e.g., age structures, reproductive samples, genetic tissues) have only been collected since the late 1990's as the scope of TIP has been expanded to include biological data as well as recreational fishing modes.

In addition to gag otoliths collected via the NMFS, TIP program or NMFS, Panama City Bio Profiles Program, some randomly collected age samples also were obtained as part of a NMFS, Marine Fisheries Initiative Program (MARFIN) reproductive study on gag grouper conducted between 1997 and 1999 (Fitzhugh et al. 2001). A few samples were also obtained from the NMFS, SEFSC Beaufort Laboratory headboat survey and from the Marine Recreational Fisheries Sampling Survey (MRFSS). These latter age collections were usually carried out on an ad-hoc or as time allowed basis.

## Procedures

## Gag Grouper Otolith Age Determinations

All of the individual gag otolith age readings were obtained from the NMFS, SEFSC Panama City Laboratory as this was the laboratory responsible for sample storage, age determinations, and data archival. Age determinations from samples collected between 1992 through 1996 were taken from Johnson (unpublished data) and Johnson and Koenig (in Press) as described in Fitzhugh et al. 2001. Although apparently age readings exist for several years prior to 1992 from Johnson's unpublished data, these samples were unavailable for this analysis. Fitzhugh et al. (2000) and Johnson et. al. (1993) indicated that data existed for 1979, 1980, and 1991. Otolith age readings for samples collected from 1997 through 2000 were from Fitzhugh et. al. (2001). All age determinations were made according to the procedures described by McErlean (1963) and Manooch and Haimovici (1978) for the gag which assigns annuli based on the number of opaque zones. The specific procedures for making gag grouper age determinations were discussed in Johnson et al. (1993), Johnson and Koenig (in Press) and

Fitzhugh (2001).
Collins et al. (1987) reported that in larger gag grouper otoliths, the opaque bands were more crowded and thin introducing uncertainty in annuli counting/identification. This lead them to suggest the importance of sectioning of otoliths at least for larger fish indicating this enhanced the clarity and allowed for greater distinction in rings than for whole otoliths. In addition Collins et al. (1987) noted that in larger gags the period of annulus formation was extended lasting up to three months. Collins et al. (1987) recommended sectioning with eight annuli or more. Several investigators have noted the difficulty in identifying annuli in the larger otoliths and these studies were not limited to a single geographic zone but included gag populations in the south Atlantic as well as the eastern Gulf of Mexico (Collins et al. 1987, Hood and Schlieder 1992). In the gag grouper otolith age data available for this analysis, all age readings for years before 1997 were from whole otoliths as the original samples were not convenient for reexamination. For years 1997 and thereafter, otoliths with eight or more annuli were sectioned using the procedure of Cowan et al. (1995) to enhance the ability to distinguish annuli (Fitzhugh 2001).

Two time periods define the NMFS, SEFSC data set of gag grouper otolith age readings of available in this analysis for developing age length keys in terms of age determinations or age readers. Period one fish included otoliths sampled from 1992-1996 and aged by Johnson while period two fish included otoliths sampled from 1997-2000 and read by Fitzhugh et al. (2001). Between reader age testing was conducted on age readings for at least a portion of period two fish (see Fitzhugh et al. 2001) and also, on some unknown number of period one fish against some earlier year's fish (1979/1980) (see Johnson et al. 1993). The exact between-reader testing method was not described by those authors. For period two fish (1997-2000), between reader testing took place for some portion of the 1999 and 2000 year samples (Fitzhugh personal communication). Cross reading did not take place between the 1992-1996 sampled otoliths (read by Johnson et al. unpublished data) and the 1997-2000 sampled otoliths( read by Fitzhugh et al. 2001).

The gag grouper otolith ages described above for 1992-2000 were then used to develop matrices of the probability of age given length (age length keys) for use in subsequent age-based analyses of gag grouper stock condition. Information recorded for most observations included the year, month, date of capture (or sampled), location sampled (state, county), gears used, total or fork length (mm), weight (kg), number of annuli, and integer age, and sex information. Observations with an unknown month of collection were excluded from the final data set. Fitzhugh et al. (2001) used the convention of Jerald (1983) for assigning age based on a calendar year. Gag grouper are believed by most age and growth biologists to form annuli once a year during late spring/early summer based on extensive marginal increment analyses (McErlean 1963, Hood and Schlieder 1983 unpublished, Collins et al. 1987, Hood and Schlieder 1992, Harris and Collins 2000). For fish captured after June 30 Fitzhugh et al. (2001) assigned age equal to the number of annuli. Fish were advanced a year (\# annuli $+1)$ if captured/sampled during the spring months and the edge type was considered nearly complete (i.e., nearing the time of annulus deposition).

## Estimation of Catch at Age for Stock Evaluations

Schirripa and Goodyear (1994) used fish of known age to model predicted lengths (and age) against observed lengths (and age) modifying the growth curve parameters for maximum fit. The resulting modified growth curve was then used to estimate catch at age which was then input into a virtual population analysis (VPA). Schirripa and Legault (1997) applied the probabilistic method of Goodyear (1997) to estimate catch at age composition from catch at size information. The Goodyear (1997) approach modifies the catch at age matrix taking into account information independent from the size-age matrix. The catch-age matrix is adjusted internally to agree with a recruitment index and is referred to as "recruitment modulated catch at age." The information as described in Schirripa and Legault (1996) "uses cumulative distributions of length at age, year class strengths, estimates of prior survival, and initial estimates of fishing mortality to estimate catch at age." The process is iterated until convergence is achieved over the entire catch-age matrix.

For the 2001 year gag grouper assessment, the individual yearly files of gag grouper age data obtained from the NMFS, Panama City Laboratories were obtained and combined into a single computer age file for further processing. The data were reviewed for completeness of information recorded (date, area sampled, fisheries/gear sampled, size/sex/weight information, apparent outliers in data recording, etc.) and each observation (data record) converted to a single format common across the entire data set. Observations without the month of the year were discarded from further review as within year age length keys were of interest in this analysis because of the general within-year pattern of growth in the gag. This resulted in excluding some 527 observations (12\%) from 1995 and 1996 ( Fl unknown area, unknown month, unknown gear/fishery) from further analysis. Summaries of the individual age observations were then constructed and studied to determine appropriate stratifications temporally, spatially, and across fisheries as supported by the collections (Tables 1 and 2).

## Results

## Data Retention and Data Stratifications

Many of the gag otolith observations did not have sex id recorded so considering sex specific keys was not an option and previous NMFS, stock assessments have not presented sex specific catch size frequency available as input into the ageing process. A large number of the observations also were without recorded data for area of collection other than knowing the general region of collection (e.g., Gulf of Mexico, FL) ( $\mathrm{n}=2078$ observations or $55 \%$ of the samples with Fl-unknown area recorded). In terms of temporal (annual) or spatial coverage, the collections did not seem adequate enough to support separate yearly (or within-year) age length keys for individual fisheries in any geographical area (Table 2). There was more recorded information about gear and geographical collection area for time period two (1997-2000) because during this period more attention was given by samplers to the recording of area, gear, and obtaining sex information, etc. Fitzhugh et al. (2001) reported that after 1997 more gag otoliths were sampled from the west coast of Florida (south of Tampa) and also more commercial longline samples were obtained however, this is not clear from Table 3. The majority of all the observations for the entire period, 1992-2000, were from the Florida west coast or northwest coast of Florida or Fl (unknown) and this reflects the general nature of the gag grouper fisheries traditionally. Separate age length keys were not considered further by individual area. The available recorded
information did not support developing age length keys for individual fisheries or individual geographical area as many years were not covered in a specific area or individual fishery. The summarized data reveal three individual fisheries sampled over the nine-year period, 1992-2000: recreational ( $\mathrm{n}=1277$ otoliths), commercial hook and line ( $\mathrm{n}=1860$ otoliths), and commercial longline ( $\mathrm{n}=574$ mostly 1998200) with none of these fisheries sampled adequately across all years to support development of annual age length keys (Table 3). The two individual areas sampled most frequently for gag grouper otolith structures was west Florida $(1995,1996)$ and northwest Florida $(1992,2000)$ and neither of these areas was adequately sampled across years nor across fisheries to support separate area specific age length keys. Further breakdown within a year for any single individual fishery or individual area was not justified on the basis of the collections. The gag grouper otolith data were then pooled across fisheries and all collection areas and within year summaries considered for further development of preliminary age length keys. Because the dominant portion ( $98 \%$ ) of the gag grouper age samples was from Florida ( $\mathrm{n}=3,746$ observations) and the major portion of the combined commercial and recreational harvest occurs in Florida (see table 36, pages 19 and 21 Goodyear and Schirripa 1994) pooling the age samples across area was supported. Examinations of spatial patterns in growth would be required to further address this decision. The potential problems/biases' implications of applying age length keys to fisheries/areas other than those of the origin have been well addressed in the literature. More extensive sampling for each fishery is required to address the impact of pooling the data across fisheries however, the current data set seems inadequate for addressing these questions over the entire nine-year time period, although shorter term evaluations might be supported for the Florida region only and then for only a few years (see Table 2).

## Criteria for Gag Grouper Age Length Keys

The nine year time series of gag grouper otolith age data set pooled over all collection areas, all fisheries, and all gears and then was used for all further calculations. The published literature on gag grouper growth indicates that including within year resolution in growth is important and thus was considered in developing age length keys. Growth of the gag is fastest during the first year of life. Peak spawning takes place between February and March for gag sampled in the eastern Gulf of Mexico and annuli deposition occurs in late spring/early summer (McErlean 1963, Schlieder 1883, Hood and Schlieder 1992. To account for within year growth variability in developing the age length keys, the NMFS, SEFSC otolith data were subdivided into two half year periods (January-June, JulyDecember) thus taking into account the period of fast late winter/early spring growth followed by the commonly observed slower pattern after summer mark deposition. This pattern of fast/slow growth is supported in other areas as well (see Hoese et al. 1961) although the exact delineation of the fast/slow period can be considered not distinct. The choice used here (half year periods) was simple, tractable and lines up reasonably so with the timing of mark formation. That within-year growth patterns may be variable somewhat depending on various physiological and environmental influences from year to year.

The distribution of gag grouper otolith observations for each year and half-year period was then tabled by one-centimeter size interval (total length) and examined to evaluate the sampling coverage across size (length). These observations formed the input data for developing individual matrices of the
probability of age given length of gag grouper for each separate half-year period for 1992-2000. Gag otolith observations were not available for years before 1992 for developing age length keys. Minimum size regulations were enacted for gag grouper in February 1990 ( 20 " total length ( 51 cm ) and revised on June 19, 2000 to 22" (total length ( 56 cm )) for recreational anglers and 24" (total length, 61 $\mathrm{cm})$. Each half-year/year tabled distribution of the number of observations by one centimeter size interval was reviewed individually to determine the adequacy of sampling coverage across size for each year/half-year period. This was necessary because the sample data indicated that not all onecentimeter size partition had always been sampled for age. In almost all cases (all year/half-year periods) otolith observations existed at around the low end of the size frequency that might be expected in a theoretical gag grouper catch at size frequency that might be available for ageing after the minimum size regulations were enacted (i.e., at around 50 cm total length). More of a problem however, in many year/half-year periods was a paucity of samples for the larger size groups (e.g., $>100-110 \mathrm{~cm}$ ) that might be expected for some of the commercial catches. If the NMFS, SEFSC gag otolith data are pooled across all years the size coverage seems adequate up to about 120 cm total length for growth considerations and covers up to about age 16 reasonably well (Table 5). However, when the data are considered for purposes of constructing yearly (and half-yearly) age length keys the sampling coverage across size (and thus age) is very variable across years. The criterion of at least ten otolith observations per 5 cm size interval (across age) was used here as a requirement for adequacy. This was somewhat of an arbitrary choice since analyses determining appropriate sample sizes for age determinations at a given level of confidence of gag grouper have not been carried out to my knowledge. For the most part the sampling coverage seems adequate up to about size 100 cm (or about age 10) given this partition size $(5 \mathrm{~cm})$. The overall growth pattern of gag grouper and the observed variability in length within age was used as a guide to define length intervals and selecting the 5 cm interval as a criterion for the gag data. The data set did not support more restrictive length partitioning (i.e., use of one-centimeter intervals). In addition, the overall growth pattern and the information on variability of size about age did not suggest this choice of size interval ( 5 cm ) was too large. In a few cases it was necessary to expand the upper limit above 5 cm because of insufficient observations. The individual year/half-year distributions of the number of observations by one centimeter size interval and age were reviewed for each stratum in the data set and are presented here in Tables 6-22.

For each separate year/half-year period, an age length key definition record then was constructed defining the total number of size intervals in the file and the upper bound of each interval. Then this instruction record was used to calculate a separate matrix of the probability of age within a specified length interval. The minimum length interval was set at either 50 or 55 cm depending on the individual year/half-year stratum. The maximum observed age in the NMFS, SEFSC gag grouper data set was 29 although for the most part ages greater than about 13 were uncommon and ages greater than 17 were quite rare. For the majority of catch case scenarios, lengths up to only 130 cm would be expected. The gag grouper age length key definition records are given in Table 23 for each year/halfyear period. Data were considered insufficient for 1995 and for 1996 ( $2^{\text {nd }}$ period, quarters three and four) and for 1997 ( $1^{\text {st }}$ and $2^{\text {nd }}$ period, quarters one and two, quarter three and four). The separate matrices of the probability of age within a length interval (normally 5 cm intervals as described) were calculated for each stratum where data were sufficient as previously described. These individual
matrices represent the observed probability distribution of age within a specified length interval for gag grouper for half year periods from 1992-2000. Age length keys were not constructed for 1995 or 1996 (period two (quarters three, four) or for the 1997 calendar year (either half period or combined over all quarters of the year). The gag grouper age length keys are presented in Table 24.

## Important Recommendations

The nine year series of gag grouper importance otolith samples provides additional information on gag grouper year class condition for 1992-2000 from previous stock assessments. Some additional effort should be expended to locate the samples from period one (1992-1996) and conduct a series of age determinations for these samples to evaluate differences in age interpretation between readers in the two periods. Between reader testing was carried out on a portion of period two fish for 1999 and 2000. Differences in ages should be re-evaluated for all period two fish where two or more readers were involved as a source of the problem. In addition the possibility of the timing of marking (laying down annuli) being extended across several months needs to be considered in the situation where age readers assign ages based on some artificial birthday (e.g., January 1). This is important here since some investigators have shown that older ages (8+) may form annuli later than younger individuals. If for example the age reader had a fish with nine observable rings and captured in April and the individual marks in July/August rather than late spring (as for younger gags) then the assigned integer age may be 9 rather than 10 since the full mark has not yet formed and the indicating characteristics would not be visible on the otoliths, when in fact this individual fish was about 9.75 years of age.

Since the completion of this analysis missing month information on the 1995 and 1996 samples has been obtained from staff at the NMFS, Panama City Laboratory. It is recommended that future analyses for gag grouper that make use of the ageing observations incorporate these additional observations into any analyses. In addition, some effort should be expended by the individuals in charge of the 1992-2000 gag grouper sample archive to fill in other missing information regarding collection location, gear, and any other missing data. In particular the collection area for the samples noted as Florida (general area only) should be confirmed and staff should consult with the appropriate persons/samplers to complete these data records.

Managers should review the available age data collected to date for gag grouper in-terms of the data limitations carefully. In-addition, some attention should be focused toward ageing studies in general for the primary species undergoing stock assessments currently by NMFS in the southeast and/or to be assessed in the upcoming ten years. This focus should include providing samplers with advice regarding appropriate sampling protocol which includes required sample sizes and addresses stratification schemes.

## References

Brusher, H.A., C.H. Saloman, and W. A. Fable. 979. Bioprofiles sampling manual. Unpublished
report, USDOC, NMFS, SEFC, Panama City Laboratory

Bullock, L. H. and G.B. Smith. 1991. Seabasses (Pisces: Serranidae). Memoirs of the Hourglass cruises Vol. 8(2). Florida mar. Res. Inst., Dept. Nat. Res., St. Petersburg, FL. 243p.

Collins, M.R., W. Waltz, W.A. Roumillat, and D. L. Stubbs. 1987. Contribution to the life history and reproductive biology of gag, Mycteroperca microlepis (Serranidae) in the South Atlantic Bight, Fish. Bull., U.S. 85: 648-653.

Epperly, S.P. 198x.. The N. C. Division of Marine Fisheries Computerized Biological Monitoring Database: System description and User's manual. N.C. DMR, unpublished report.

Fitzhugh, G.R. , L.A. Lombardi-Carlson, and N.M. Evou, 2001. Gag (Mycteroperca microlepis) age structure from the eastern Gulf of Mexico: 1991-2000. U.S. Dept. of Comm., NOAA, NMFS, SEFSC, Panama City Laboratory Cont. No. 01-02.

Harris, P.J. and M.R. Collins. 2000. Age, growth and age at maturity of gag, Mycteroperca microlepis, from the southeastern United States during 1994-1995. Bull. Mar. Sci., 66(1)105-117.

Hoese, H.D., C. B. Richards, and M. Castagna. 1961. Appearance of the gag, Mycteroperca microlepis, in coastal waters of Virginia. Chesapeake Sci. Vol. 2(1-2).

Hood, P.B. and R. A. Schlieder, 1992. Age, growth, and reproduction of gag, Mycteroperca Microlepis (Pisces: Serranidae) in the eastern Gulf of Mexico. Bull. of Mar. Sci.51(3):337-352.

Johnson, A.G., L.A. Collins, and J. Isely. Age-size structure of gag, Mycteroperca microlepis, from the northeastern Gulf of Mexico. Northeast Gulf Science Vol. 13(1)L 59-63.

Koenig, C.C. and F. C. Coleman. 1998. Absolute abundance and survival of juvenile gag, Mycteroperca Microlepis, in the seagrass beds of the northeastern Gulf of Mexico. Trans. of the Amer. Fish. Soc. 127:44-55.

Keener, P., G. D. Johnson, B.W. Stender, E. B. Brothers, and H. R. Beatty. 1988. Ingress of postlarval gag, Mycteroperca microlepis, (Pisces: Serranidate) through a South Carolina barrier Island inlet. Bull. Mar. sci. 42(3): 376-396.

McErlean, A. 1963. A study of the age and growth of the gag, Mycteroperca Microlepis Goode and Bean (Pisces: Serranidae) on the west coast of Florida. Florida State Brd. Cons. Mar. Lab. Tech. Ser. 41, 29p.

Manooch, C.S., III and M. Haimovici. 1978. Age and growth of the gag, Mycteroperca Microlepis, and size-age composition of the recreational catch off the southeastern United States. Trans. Am. Fish.

Soc. 10792):234-240.

Molina, Susan. User's Guide for the TIP: Trip Interview Program. Data Entry System Version 4.0. USDOC, NOAA, NMFS, SEFSC, unpublished report. 89p, eleven appendices.

Naughton and Saloman (1985)

Palko, B.J. 1990. Bioprofiles Sampling Manual. USDOC, NMFS, SEFC, Panama city Laboratory, unpublished report. 29p, Three Appendices.

Trent, L. and G.W. Bane. 19xx. Bioprofile sampling manual for coastal pelagic fishes in Louisiana. U.S.D.O.C., NMFS, SEFC, Panama City Laboratory, Unpublished report. 23 p.

Schirripa, M.J. and C. M. Legault, 1997. Status of the gag stocks of the Gulf of Mexico: Assessment 2.0. U.S. Dept. of Comm., NOAA, NMFS, SEFSC, Sustainable Fisheries Division 135p.

Schirripa, M. J. and C. M. Legault. 1994. Status of the gag stocks of the Gulf of Mexico: Assessment 1.0. U.S. Dept. of Comm., NOAA, NMFS, SEFSC, Miami Laboratory Contribution Report MIA/93/94-61 155p, 1 addendum.

Schlieder, R. 1983. Age, growth, and reproduction of the gag, Mycteroperca Microlepis (Pisces: Serranidae), from the eastern Gulf of Mexico. Florida Department of Natural Resources unpublished manuscript, 23p.

Van Sant, S.B., M.R. Collins, and G.R. Sedberry. 1994. Preliminary evidence from a tagging study for a gag (Mycteroperca Microlepis) spawning migration with notes on the use of oxytetracycline for chemical tagging. Proceedings of the Gulf and Caribbean Fish. Inst.,

Zweifel, James R. 1988. Operations manual for the Trip Interview Program in the state/federal cooperative statistics program (TIP): Age and sex data, measurement data, sample data, landings data, trip data. NMFS, SEFC Economics and Statistics Office. Unpublished report 111.

Table 1. Summary of the gag grouper otolith data available for the 2001 NMFS stock assessment.
Breakdown is by calendar year, major geographical collection area, and primary gear of capture.
[Geographical Areas are: $\mathrm{NF}=$ north Florida, $\mathrm{SF}=$ south Florida, $\mathrm{WF}=$ west Florida, $\mathrm{NWF}=$ northwest Florida, $F L=$ Florida (precise location not recorded), MS = Mississippi, La $=$ Louisiana, $T X=$ Texas].
[Primary Gears/Fisheries are: CP (charter/party), PR (recreational private), Charter (recreational charter), CM HL(commercial Hook and Line), CM LL(commercial longline), HB(headboat), CM Trap (commercial,trap), CM(commercial fishery, gear not recorded), SS (scientific source, gear unknown), (tournament sample, gear not recorded)

| AREA | Gear Category | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | ALL | YEARS |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| NF | CP | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |  | 1 |
|  | ALL MODES | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |  | 1 |
| AREA | Gear Category | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | ALL | YEARS |
| SF | PR | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |  | 1 |
| SF | CM HL | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 |  | 5 |
| SF | CM LL | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 |  | 3 |
|  | ALL MODES | 0 | 0 | 0 | 0 | 0 | 9 | 0 | 0 | 0 |  | 9 |
| AREA | Gear Category | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | ALL | YEARS |
| WF | PR | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |  | 1 |
| WF | CP | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  | 2 |
| WF | HB | 3 | 0 | 0 | 0 | 9 | 0 | 0 | 0 | 0 |  | 12 |
| WF | CM HL | 21 | 0 | 0 | 280 | 130 | 2 | 0 | 0 | 19 |  | 452 |
| WF | CM LL | 0 | 0 | 0 | 4 | 28 | 0 | 0 | 0 | 0 |  | 32 |
| WF | Private | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 |  | 2 |
| WF | Charter | 0 | 0 | 0 | 0 | 255 | 0 | 0 | 0 | 0 |  | 255 |
| WF | CM Trap | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 |  | 2 |
| WF | CM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 |  | 6 |
|  | ALL MODES | 26 | 0 | 0 | 285 | 425 | 3 | 0 | 0 | 25 |  | 764 |
| AREA | Gear Category | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | ALL | YEARS |
| NWF | PR | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  | 10 |
| NWF | Unknown | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |  | 6 |
| NWF | CP | 203 | 0 | 0 | 0 | 0 | 39 | 0 | 0 | 36 |  | 278 |
| NWF | HB | 29 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |  | 31 |
| NWF | CM HL | 8 | 0 | 0 | 0 | 0 | 18 | 0 | 0 | 359 |  | 385 |
| NWF | SS | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |  | 3 |
| NWF | TRN | 12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  | 12 |
| NWF | CM LL | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 176 |  | 179 |
|  | ALL MODES | 268 | 0 | 0 | 0 | 0 | 60 | 0 | 0 | 576 |  | 904 |
| AREA | Gear Category | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | ALL | YEARS |
| FL | PR | 0 | 8 | 0 | 0 | 0 | 2 | 2 | 4 | 0 |  | 16 |
| FL | Unknown | 0 | 4 | 5 | 0 | 0 | 0 | 0 | 0 | 0 |  | 9 |
| FL | CP | 0 | 279 | 161 | 0 | 0 | 6 | 57 | 83 | 0 |  | 586 |
| FL | HB | 0 | 11 | 2 | 0 | 0 | 0 | 23 | 11 | 10 |  | 57 |
| FL | CM HL | 5 | 328 | 450 | 0 | 0 | 0 | 82 | 142 | 1 |  | 008 |
| FL | SS | 0 | 0 | 3 | 0 | 0 | 0 | 4 | 11 | 8 |  | 26 |
| FL | TRN | 0 | 4 | 4 | 0 | 0 | 0 | 0 | 0 | 0 |  | 8 |
| FL | CM LL | 0 | 0 | 0 | 0 | 0 | 1 | 112 | 247 | 0 |  | 360 |
| FL | CM | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 2 | 0 |  | 8 |
|  | ALL MODES | 5 | 634 | 625 | 0 | 0 | 9 | 286 | 500 | 19 |  | 078 |
| AREA | Gear Category | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | ALL | YEARS |
| AL | PR | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 0 |  | 9 |
| AL | Unknown | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |  | 1 |
| AL | CP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |  | 1 |
| AL | CM HL | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 |  | 2 |
|  | ALL MODES | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 11 | 0 |  | 13 |
| AREA | Gear Category | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | ALL | YEARS |
| MS | PR | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |  | 1 |
| MS | CM HL | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 4 |  | 7 |
| MS | SS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 3 |  | 6 |
| MS | TRN | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 3 |  | 5 |


|  | ALL MODES | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 6 | 10 | 19 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| AREA | Gear Category | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | ALL YEARS |
| LA | HB | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 6 |
| LA | CM HL | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| LA | TRN | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
|  | ALL MODES | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 7 | 9 |
| AREA | Gear Category | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | ALL YEARS |
| TX | HB | 0 | 0 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 8 |
|  | ALL MODES | 0 | 0 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 8 |
| AREA | Gear Category | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | ALL YEARS |
| ALL | PR | 10 | 8 | 0 | 0 | 0 | 4 | 2 | 14 | 0 | 38 |
| ALL | Unknown | 5 | 4 | 5 | 0 | 0 | 0 | 0 | 1 | 1 | 16 |
| ALL | CP | 205 | 279 | 161 | 0 | 0 | 46 | 57 | 84 | 36 | 868 |
| ALL | HB | 32 | 11 | 10 | 0 | 9 | 0 | 23 | 11 | 18 | 114 |
| ALL | CM HL | 34 | 328 | 450 | 280 | 130 | 25 | 87 | 142 | 384 | 1860 |
| ALL | SS | 1 | 0 | 3 | 0 | 0 | 0 | 4 | 14 | 13 | 35 |
| ALL | TRN | 12 | 4 | 6 | 0 | 0 | 0 | 0 | 2 | 3 | 27 |
| ALL | CM LL | 0 | 0 | 0 | 4 | 28 | 7 | 112 | 247 | 176 | 574 |
| ALL | Private | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 2 |
| ALL | Charter | 0 | 0 | 0 | 0 | 255 | 0 | 0 | 0 | 0 | 255 |
| ALL | CM Trap | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 2 |
| ALL | CM | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 2 | 6 | 14 |
|  | ALL MODES | 299 | 634 | 635 | 285 | 425 | 82 | 291 | 517 | 637 | 3805 |

Table 2. Summary of the gag grouper otolith data available for the 2001 NMFS stock assessment.
Breakdown is by calendar year, major geographical collection area, and by fishery.
[Geographical Areas are: $\mathrm{NF}=$ north Florida, $\mathrm{SF}=$ south Florida, $\mathrm{WF}=$ west Florida, $\mathrm{NWF}=$ northwest Florida, FL= Florida (precise location not recorded), MS = Mississippi La $=$ Louisiana, $T X=$ Texas].
[Fisheries are: Recreational- includes charter, private, headboat), CM HL(commercial Hook and Line) CM LL (commercial longline), CM Trap (commercial, trap), CM (commercial fishery, gear not recorded), SS (scientific source, gear unknown), TRN (tournament sample, gear not recorded), Unknown (fishery not recorded, gear not recorded)].

| AREA | Fishery/Gear | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | ALL | Years |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| NF | Recreational | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |  | 1 |
|  | ALL MODES | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |  | 1 |
| AREA | Fishery/Gear | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | ALL | Years |
| SF | Recreational | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |  | 1 |
| SF | CM HL | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 |  | 5 |
| SF | CM LL | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 |  | 3 |
|  | ALL MODES | 0 | 0 | 0 | 0 | 0 | 9 | 0 | 0 | 0 |  | 9 |
| AREA | Fishery/Gear | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | ALL | Years |
| WF | Recreational | 5 | 0 | 0 | 1 | 265 | 1 | 0 | 0 | 0 |  | 272 |
| WF | CM HL | 21 | 0 | 0 | 280 | 130 | 2 | 0 | 0 | 19 |  | 452 |
| WF | CM LL | 0 | 0 | 0 | 4 | 28 | 0 | 0 | 0 | 0 |  | 32 |
| WF | CM Trap | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 |  | 2 |
| WF | CM UNK | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 |  | 6 |
|  | ALL MODES | 26 | 0 | 0 | 285 | 425 | 3 | 0 | 0 | 25 |  | 764 |
| AREA | Fishery/Gear | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | ALL | Years |
| NWF | Recreational | 242 | 0 | 0 | 0 | 0 | 39 | 0 | 0 | 38 |  | 319 |
| NWF |  | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |  | 6 |
| NWF | CM HL | 8 | 0 | 0 | 0 | 0 | 18 | 0 | 0 | 359 |  | 385 |
| NWF | SS | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |  | 3 |
| NWF | TRN | 12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  | 12 |
| NWF | CM LL | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 176 |  | 179 |
|  | ALL MODES | 268 | 0 | 0 | 0 | 0 | 60 | 0 | 0 | 576 |  | 904 |
| AREA | Fishery/Gear | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 |  | Years |
| FL | Recreational | 0 | 298 | 163 | 0 | 0 | 8 | 82 | 98 | 10 |  | 659 |
| FL |  | 0 | 4 | 5 | 0 | 0 | 0 | 0 | 0 | 0 |  | 9 |
| FL | CM HL | 5 | 328 | 450 | 0 | 0 | 0 | 82 | 142 | 1 |  | 1008 |
| FL | SS | 0 | 0 | 3 | 0 | 0 | 0 | 4 | 11 | 8 |  | 26 |
| FL | TRN | 0 | 4 | 4 | 0 | 0 | 0 | 0 | 0 | 0 |  | 8 |
| FL | CM LL | 0 | 0 | 0 | 0 | 0 | 1 | 112 | 247 | 0 |  | 360 |
| FL | CM UNK | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 2 | 0 |  | 8 |
|  | ALL MODES | 5 | 634 | 625 | 0 | 0 | 9 | 286 | 500 | 19 |  | 2078 |
| AREA | Fishery/Gear | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | ALL | Years |
| AL | Recreational | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 0 |  | 10 |
| AL |  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |  | 1 |
| AL | CM HL | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 |  | 2 |
|  | ALL MODES | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 11 | 0 |  | 13 |
| AREA | Fishery/Gear | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | ALL | Years |
| MS | Recreational | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |  | 1 |
| MS | CM HL | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 4 |  | 7 |
| MS | SS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 3 |  | 6 |
| MS | TRN | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 3 |  | 5 |
|  | ALL MODES | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 6 | 10 |  | 19 |
| AREA | Fishery/Gear | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | ALL | Years |
| LA | Recreational | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 |  | 6 |
| LA | CM HL | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |  | 1 |
| LA | TRN | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 |  | 2 |
|  | ALL MODES | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 7 |  | 9 |


| AREA | Fishery/Gear | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | ALL Years |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| TX | Recreational | 0 | 0 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 8 |
|  | ALL MODES | 0 | 0 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 8 |
| AREA | Fishery/Gear | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | ALL Years |
| ALL | Recreational | 247 | 298 | 171 | 1 | 265 | 50 | 82 | 109 | 54 | 1277 |
| ALL | Unknown | 5 | 4 | 5 | 0 | 0 | 0 | 0 | 1 | 1 | 16 |
| ALL | CM HL | 34 | 328 | 450 | 280 | 130 | 25 | 87 | 142 | 384 | 1860 |
| ALL | SS | 1 | 0 | 3 | 0 | 0 | 0 | 4 | 14 | 13 | 35 |
| ALL | TRN | 12 | 4 | 6 | 0 | 0 | 0 | 0 | 2 | 3 | 27 |
| ALL | CM LL | 0 | 0 | 0 | 4 | 28 | 7 | 112 | 247 | 176 | 574 |
| ALL | CM Trap | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 2 |
| ALL | CM UNK | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 2 | 6 | 14 |
|  | ALL MODES | 299 | 634 | 635 | 285 | 425 | 82 | 291 | 517 | 637 | 3805 |

Table 3. Summary of the gag grouper otolith data available for the 2001 NMFS stock assessment. Breakdown is by major geographical collection area and by calendar year.
[Geographical Areas are: $\mathrm{NF}=$ north Florida, $\mathrm{SF}=$ south Florida, WF $=$ west Florida, $\mathrm{NWF}=$ northwest Florida, FL-Unk= Florida (precise location not recorded), MS = Mississippi, La $=$ Louisiana, $T X=$ Texas].

| AREA | Fishery | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | All Years |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| NF | ALL MODES | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| SF | ALL MODES | 0 | 0 | 0 | 0 | 0 | 9 | 0 | 0 | 0 | 9 |
| WF | ALL MODES | 26 | 0 | 0 | 285 | 425 | 3 | 0 | 0 | 25 | 764 |
| NWF | ALL MODES | 268 | 0 | 0 | 0 | 0 | 60 | 0 | 0 | 576 | 904 |
| FL-Unk | ALL MODES | 5 | 634 | 625 | 0 | 0 | 9 | 286 | 500 | 19 | 2078 |
| AL | ALL MODES | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 11 | 0 | 13 |
| MS | ALL MODES | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 6 | 10 | 19 |
| LA | ALL MODES | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 7 | 9 |
| TX | ALL MODES | 0 | 0 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 8 |
| ALL | ALL MODES | 299 | 634 | 635 | 285 | 425 | 82 | 291 | 517 | 637 | 3805 |

Table 4. Final gag grouper otolith age data set used for developing preliminary age length keys for the Year 2001 stock assessment. Summary breakdown is by calendar year and month of sample combined across all areas, all fisheries, and all gears (249,278, and 7 observations with month $=0$ were deleted from years 1995, 1996, and 2000 respectively).

|  | Month of Year |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Year | Unk | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | all |
| 1992 | 0 | 0 | 0 | 60 | 53 | 36 | 38 | 7 | 19 | 16 | 31 | 10 | 29 | 299 |
| 1993 | 0 | 58 | 93 | 125 | 39 | 86 | 64 | 95 | 24 | 5 | 17 | 20 | 8 | 634 |
| 1994 | 0 | 54 | 84 | 60 | 102 | 162 | 67 | 49 | 46 | 10 | 0 | 0 | 1 | 635 |
| 1995 | 0 | 59 | 25 | 76 | 74 | 3 | 47 | 0 | 1 | 0 | 0 | 0 | 0 | 285 |
| 1996 | 0 | 0 | 31 | 23 | 142 | 116 | 76 | 10 | 3 | 18 | 0 | 0 | 6 | 425 |
| 1997 | 0 | 1 | 0 | 1 | 3 | 6 | 7 | 11 | 7 | 13 | 6 | 3 | 24 | 82 |
| 1998 | 0 | 47 | 22 | 44 | 22 | 18 | 5 | 9 | 3 | 0 | 18 | 37 | 66 | 291 |
| 1999 | 0 | 53 | 60 | 119 | 87 | 47 | 64 | 26 | 19 | 20 | 8 | 9 | 5 | 517 |
| 2000 | 0 | 14 | 1 | 30 | 10 | 29 | 13 | 21 | 12 | 22 | 163 | 79 | 243 | 637 |




| 0 | 0 | 0 | 0 | 3 | 14 | 27 | 16 |
| ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| 0 | 0 | 0 | 1 | 3 | 17 | 35 | 10 |
| 0 | 0 | 0 | 1 | 6 | 12 | 21 | 12 |
| 0 | 0 | 0 | 0 | 7 | 9 | 23 | 18 |
| 0 | 0 | 0 | 0 | 1 | 11 | 16 | 20 |
| 0 | 0 | 0 | 0 | 2 | 7 | 15 | 10 |
| 0 | 0 | 0 | 0 | 1 | 11 | 14 | 19 |
| 0 | 0 | 0 | 0 | 2 | 4 | 14 | 20 |
| 0 | 0 | 0 | 0 | 1 | 5 | 9 | 15 |
| 0 | 0 | 0 | 0 | 0 | 3 | 11 | 13 |
| 0 | 0 | 0 | 0 | 0 | 2 | 9 | 8 |
| 0 | 0 | 0 | 0 | 0 | 1 | 13 | 4 |
| 0 | 0 | 0 | 0 | 0 | 2 | 5 | 7 |
| 0 | 0 | 0 | 0 | 0 | 0 | 10 | 5 |
| 0 | 0 | 0 | 0 | 0 | 1 | 2 | 8 |
| 0 | 0 | 0 | 0 | 0 | 2 | 1 | 6 |
| 0 | 0 | 0 | 0 | 0 | 0 | 2 | 4 |
| 0 | 0 | 0 | 0 | 0 | 1 | 2 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
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+1 CI .029 .642 .047 .353 .157 .364 .872 .478 .783 .491 .686 .7 99.7 96.5103.4103.7105.4104.3109.2 98.4112.2113.8 67.3117.0117.9122.0114.3117.6118.9 82.8

VAR $\quad 071.368 .876 .184 .291 .896 .9103 .3111 .1117 .9120 .1125 .0122 .7128 .5125 .1134 .4134 .3130 .1125 .8132 .9132 .7117 .6141 .1133 .0129 .2133 .3124 .2127 .5137 .3101 .2$ | VAR | .0113 .0 | 47.0 | 5.9 | 6.0 | 77.4 | 67.0 | 61.9 | 68.6 | 77.4 | 52.7 | 95.5 | 34.6 | 66.4 | 30.5 | 61.3 | 54.6 | 43.5 | 17.9 | 77.3 | 27.3 | 1.0353 .8 | 16.5 | 8.4 | 8.4 | 6.4 | 6.4 | 22.0 |
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| S | .0 | 10.6 | 6.9 | 7.3 | 7.9 | 8.8 | 8.2 | 7.9 | 8.3 | 8.8 | 7.3 | 9.8 | 5.9 | 8.1 | 5.5 | 7.8 | 7.4 | 6.6 | 4.2 | 8.8 | 5.2 | 1.0 | 18.8 | 4.1 | 2.9 | 2.9 | 2.5 | $\begin{array}{llllllllllllllllllllllllllllllllllllll}\text { SE } & .0 & 2.3 & .4 & .3 & .3 & .3 & .3 & .5 & .6 & 1.0 & .8 & 1.9 & 1.1 & 1.7 & 1.4 & 1.9 & 2.0 & 2.1 & 1.9 & 3.9 & 2.0 & .7 & 10.9 & 1.8 & 2.0 & 2.9 & 1.8 & 2.5 & 2.3 & 4.7\end{array}$



| SIZE | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 50 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 52 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| 53 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 0 |
| 54 | 0 | 2 | 2 | 0 | 0 | 0 | 0 | 0 |
| 55 | 0 | 1 | 4 | 0 | 0 | 0 | 0 | 0 |
| 56 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 |
| 57 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 0 |
| 58 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| 59 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| 60 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 |
| 61 | 0 | 0 | 6 | 1 | 0 | 0 | 0 | 0 |
| 62 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| 63 | 0 | 0 | 2 | 1 | 1 | 0 | 0 | 0 |
| 64 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 |
| 65 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| 66 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 |
| 67 | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 0 |
| 68 | 0 | 0 | 2 | 0 | 2 | 0 | 0 | 0 |
| 69 | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 0 |
| 70 | 0 | 0 | 0 | 0 | 2 | 1 | 0 | 0 |
| 71 | 0 | 0 | 2 | 1 | 2 | 2 | 0 | 0 |
| 72 | 0 | 0 | 1 | 0 | 4 | 3 | 0 | 0 |
| 73 | 0 | 0 | 0 | 1 | 0 | 2 | 0 | 0 |
| 74 | 0 | 0 | 0 | 0 | 2 | 4 | 1 | 0 |
| 75 | 0 | 0 | 0 | 0 | 3 | 1 | 0 | 0 |
| 76 | 0 | 0 | 0 | 1 | 1 | 6 | 2 | 0 |
| 77 | 0 | 0 | 0 | 0 | 2 | 2 | 0 | 1 |
| 78 | 0 | 0 | 0 | 0 | 3 | 3 | 1 | 0 |
| 79 | 0 | 0 | 0 | 0 | 1 | 3 | 2 | 1 |
| 80 | 0 | 0 | 0 | 0 | 2 | 3 | 0 | 1 |
| 81 | 0 | 0 | 0 | 0 | 2 | 2 | 1 | 0 |
| 82 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 3 |
| 83 | 0 | 0 | 0 | 0 | 1 | 1 | 3 | 2 |
| 84 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 1 |
| 85 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 2 |
| 86 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 2 |
| 87 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 |
| 88 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| 89 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| 91 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| 92 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| 93 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| 94 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 |
| 95 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 |
| 96 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 97 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |


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 ${ }^{16}$ $17 \quad 18$ $19 \quad 2$ $20 \quad 2$ 21 $22 \quad 23$ $23 \quad 24$ 25 $26 \quad 2$ 27 29 0-29 29
YEAR \& Quarters are 9212
00000000000000000000000000000000000000000000000
$\square$ $\begin{array}{lllllllll}0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0\end{array}$ $\square$

+1CI -1CI
VAR
S
SE
 $\begin{array}{lllllllllllll}.0 & 3.7 & 9.2 & 10.8 & 7.3 & 8.9 & 7.9 & 7.3 & 0.0 & 0.0 & 9.4 & 9.0 & 8.8\end{array}$

- 49.449 .950 .563 .164 .871 .574 .580 .5116 .284 .288 .7191 .0 $057.171 .7-57584.164 .871 .574 .580 .5116 .284 .288 .711 .0$ - 3.8 11.0 47.4 29.3 48.244 .740 .5 0.0 0.0 03. 8 93.8 93.8 $\begin{array}{lllllllllllll}0 & 3.8 & 31.0 & 47.4 & 29.3 & 48.2 & 44.7 & 40.5 & 0.0 & 0.0 & 93.8 & 93.8 & 93.8\end{array}$
053.360 .864 .073 .778 .484 .6 87.0 80.5116.2103.2107.7110.0

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0114.0
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| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| SIze | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 0-29 |
| 38 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 42 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 51 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 53 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 54 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| 55 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 57 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 58 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| 59 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 60 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 61 | 0 | 0 | 1 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 62 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 63 | 0 | 0 | 1 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| 64 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| 65 | 0 | 0 | 0 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |
| 66 | 0 | 0 | 0 | 7 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 |
| 67 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 68 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 69 | 0 | 0 | 0 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| 70 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 71 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 72 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 73 | 0 | 0 | 0 | 2 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| 74 | 0 | 0 | 0 | 0 | 1 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 75 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 76 | 0 | 0 | 0 | 0 | 1 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 78 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| 79 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 81 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 82 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 83 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 84 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 85 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 86 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 87 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 88 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 92 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 93 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 94 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 96 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 97 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 101 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 104 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 105 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 106 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 112 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |


| AVE | .0 | .0 | 53.2 | 63.7 | 73.3 | 77.9 | 87.1 | 91.4 | 96.0 | 99.9 | 97.0105 .5 | .0 | .0 | .0 | .0 | .0112 .1 | .0 | .0127 .6 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| +ICI | .0 | .0 | 33.5 | 53.0 | 58.0 | 63.3 | 74.6 | 76.4 | 81.1 | 85.0 | 82.1 | 90.6 | .0 | .0 | .0 | .0 | .0 | 97.2 | .0 | .0112 .7 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |  |
| -ICI | .0 | .0 | 72.9 | 74.4 | 88.6 | 92.5 | 99.6106 .3110 .9114 .8111 .9120 .4 | .0 | .0 | .0 | .0 | .0127 .0 | .0 | .0142 .5 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |  |  |  |  |  |  |  |
| VAR | .0 | .0100 .9 | 29.9 | 61.0 | 55.5 | 40.7 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | .0 | .0 | .0 | .0 | .0 | 58.1 | .0 | .0 | 58.1 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |  |
| S | .0 | .0 | 10.0 | 5.5 | 7.8 | 7.4 | 6.4 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | .0 | .0 | .0 | .0 | .0 | 7.6 | .0 | .0 | 7.6 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| SE | .0 | .0 | 3.8 | .8 | 2.4 | 1.8 | 1.7 | 2.7 | 7.6 | 7.6 | 7.6 | 7.6 | .0 | .0 | .0 | .0 | .0 | 7.6 | .0 | .0 | 7.6 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| CV | .0 | .0 | 18.9 | 8.6 | 10.7 | 9.6 | 7.3 | 8.3 | 7.9 | 7.6 | 7.9 | 7.2 | .0 | .0 | .0 | .0 | .0 | 6.8 | .0 | .0 | 6.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |

YEAR \& Quarters are 931

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| SIze | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 0-29 |
| 48 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 49 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 50 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 51 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 52 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 53 | 0 | 0 | 0 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| 54 | 0 | 0 | 2 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 55 | 0 | 1 | 0 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |
| 56 | 0 | 0 | 1 | 2 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 |
| 57 | 0 | 0 | 0 | 4 | 7 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 |
| 58 | 0 | 0 | 2 | 5 | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13 |
| 59 | 0 | 0 | 1 | 3 | 4 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 |
| 60 | 0 | 0 | 0 | 4 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 |
| 61 | 0 | 0 | 0 | 5 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 62 | 0 | 0 | 0 | 3 | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 |
| 63 | 0 | 0 | 1 | 4 | 8 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15 |
| 64 | 0 | 0 | 0 | 4 | 11 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17 |
| 65 | 0 | 0 | 0 | 7 | 7 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15 |
| 66 | 0 | 0 | 1 | 7 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14 |
| 67 | 0 | 0 | 0 | 8 | 15 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 24 |
| 68 | 0 | 0 | 0 | 3 | 5 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 |
| 69 | 0 | 0 | 0 | 5 | 13 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 19 |
| 70 | 0 | 0 | 0 | 7 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15 |
| 71 | 0 | 0 | 1 | 2 | 15 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 22 |
| 72 | 0 | 0 | 0 | 1 | 6 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 |
| 73 | 0 | 0 | 0 | 3 | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 74 | 0 | 0 | 0 | 4 | 7 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14 |
| 75 | 0 | 0 | 0 | 3 | 2 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 |
| 76 | 0 | 0 | 0 | 4 | 7 | 3 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17 |
| 77 | 0 | 0 | 0 | 3 | 1 | 2 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 |
| 78 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 79 | 0 | 0 | 1 | 0 | 2 | 3 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 |
| 80 | 0 | 0 | 0 | 1 | 0 | 2 | 6 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 |
| 81 | 0 | 0 | 0 | 0 | 3 | 2 | 6 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 |
| 82 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 |
| 83 | 0 | 0 | 0 | 0 | 2 | 3 | 5 | 1 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15 |
| 84 | 0 | 0 | 0 | 0 | 0 | 3 | 4 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 |
| 85 | 0 | 0 | 0 | 1 | 0 | 1 | 2 | 2 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 86 | 0 | 0 | 0 | 1 | 2 | 1 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 87 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 3 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 88 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 89 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 90 | 0 | 0 | 0 | 0 | 0 | 2 | 3 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 |
| 91 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 92 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 93 94 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 0 | 0 | 0 | 0 | 0 0 | 0 | 0 | 0 | 0 0 |  |


| 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
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| 96 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 97 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 98 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 99 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 |
| 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |
| 101 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 102 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| 103 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| 104 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 107 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| 117 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 118 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|  |  |  |  |  |  | 1106 | 164 | 48 | 58 |
| ALL | 0 | 1 | 11 | 29 | 35 |  |  |  |  |

AVE . $0 \quad 55.060 .665 .1 \quad 66.973 .681 .8 \quad 88.8 \quad 90.9 \quad 94.9102 .3$ +1CI $\quad .0 \quad 55.043 .8 \quad 50.2 \quad 53.2 \quad 55.2 \quad 71.1 \quad 73.9 \quad 77.3 \quad 82.7 \quad 98.1$ -1CI . $0 \begin{array}{llll} & 55.0 & 77.4 & 79.9 \\ 80.6 & 91.9 & 92.5103 .7104 .6107 .1106 .5\end{array}$
 $\begin{array}{lrrrrrrrrrrr}\text { S } & .0 & .0 & 8.6 & 7.6 & 7.0 & 9.4 & 5.5 & 7.6 & 6.9 & 6.2 & 2.1 \\ \text { SE } & .0 & .0 & 2.6 & .7 & .5 & 1.4 & .7 & 1.4 & 1.2 & 2.2 & 1.2\end{array}$

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| 0 | 0 | 0 |  |
| 0 | 0 | 0 |  |
| 0 | 0 | 0 |  |
| 0 | 1 | 0 |  |
| 0 | 0 | 0 |  |
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| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| SIze | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 0 |  |
| 35 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  | 1 |
| 38 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  | 1 |
| 50 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  | 2 |
| 51 | 0 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  | 3 |
| 52 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  | 2 |
| 53 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  | 3 |
| 54 | 0 | 0 | 2 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  | 5 |
| 55 | 0 | 0 | 1 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  | 4 |
| 56 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  | 3 |
| 57 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  | 2 |
| 58 | 0 | 0 | 0 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  | 5 |
| 59 | 0 | 0 | 1 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  | 5 |
| 60 | 0 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  | 3 |
| 61 | 0 | 0 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  | 3 |
| 62 | 0 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  | 3 |
| 63 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  | 2 |
| 64 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  | 4 |
| 65 | 0 | 0 | 1 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  | 5 |
| 66 | 0 | 0 | 0 | 1 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  | 4 |
| 67 | 0 | 0 | 0 | 2 | 4 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  | 7 |
| 68 | 0 | 0 | 1 | 1 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  | 5 |
| 69 | 0 | 0 | 1 | 2 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  | 7 |
| 70 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  | 2 |
| 71 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  | 5 |
| 72 | 0 | 0 | 0 | 1 | 2 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  | 5 |
| 73 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  | 5 |
| 74 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  | 2 |
| 75 | 0 | 0 | 0 | 1 | 1 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  | 5 |
| 76 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  | 1 |
| 77 | 0 | 0 | 0 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  | 4 |
| 78 | 0 | 0 | 0 | 0 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  | 4 |
| 79 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  | 1 |
| 80 | 0 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  | 3 |
| 81 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  | 2 |
| 82 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  | 3 |
| 83 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  | 2 |
| 84 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  | 2 |
| 85 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  | 2 |
| 86 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  | 1 |
| 87 | 0 | 0 | 0 | 0 | 1 | 0 | 3 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  | 6 |
| 88 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  | 3 |
| 89 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  | 4 |
| 90 | 0 | 0 | 0 | 0 | 1 | 2 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  | 6 |
| 91 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  | 1 |
| 92 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  | 2 |
| 93 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  | 1 |



Table 10. Summary of the NMFS, SEFSC gag grouper age observations available for the 2001 stock assessment for 1994 quarters 1 and 2 . Breakdown is by one centimeter total length size group and age. [summary statistics for each age group follows the tabled data. Statistics are: Ave=average length at - 195\% confidence interval on size at age, Var=variance of size at age, S= standard deviation, Sestandard error, CV=coefficient

|  |  |  |  |  |  |  |  |  |  |  |  | AG |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| SIze | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 0-29 |
| 33 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 34 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 46 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 50 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 51 | 0 | 0 | 0 | 1 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| 52 | 0 | 1 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| 53 | 0 | 1 | 4 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 |
| 54 | 0 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| 55 | 0 | 1 | 0 | 0 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |
| 56 | 0 | 0 | 1 | 1 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |
| 57 | 0 | 0 | 2 | 2 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 |
| 58 | 0 | 0 | 3 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 |
| 59 | 0 | 1 | 1 | 4 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 |
| 60 | 0 | 0 | 1 | 3 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 |
| 61 | 0 | 0 | 0 | 5 | 6 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14 |
| 62 | 0 | 0 | 2 | 2 | 1 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 |
| 63 | 0 | 0 | 2 | 3 | 3 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 |
| 64 | 0 | 0 | 0 | 3 | 3 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 |
| 65 | 0 | 0 | 0 | 3 | 6 | 4 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15 |
| 66 | 0 | 0 | 0 | 3 | 6 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 |
| 67 | 0 | 0 | 0 | 3 | 2 | 9 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17 |
| 68 | 0 | 0 | 2 | 1 | 7 | 8 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 25 |
| 69 | 0 | 0 | 0 | 0 | 5 | 13 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 21 |
| 70 | 0 | 0 | 0 | 0 | 6 | 12 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 22 |
| 71 | 0 | 0 | 2 | 1 | 5 | 10 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 21 |
| 72 | 0 | 0 | 0 | 0 | 6 | 9 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20 |
| 73 | 0 | 0 | 0 | 1 | 10 | 10 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 22 |
| 74 | 0 | 0 | 0 | 1 | 3 | 8 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14 |
| 75 | 0 | 0 | 0 | 2 | 7 | 8 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 21 |
| 76 | 0 | 0 | 0 | 1 | 3 | 10 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16 |
| 77 | 0 | 0 | 0 | 0 | 1 | 10 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15 |
| 78 | 0 | 0 | 0 | 0 | 1 | 6 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 |
| 79 | 0 | 1 | 0 | 0 | 7 | 7 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17 |
| 80 | 0 | 0 | 0 | 0 | 3 | 3 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 |
| 81 | 0 | 0 | 0 | 0 | 1 | 8 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14 |
| 82 | 0 | 0 | 0 | 0 | 2 | 2 | 2 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 |
| 83 | 0 | 0 | 0 | 0 | 0 | 6 | 5 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13 |
| 84 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |
| 85 | 0 | 0 | 0 | 0 | 1 | 4 | 4 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 |
| 86 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| 87 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 2 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 88 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| 89 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| 91 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 |
| 92 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 93 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |


| 94 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 95 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| 96 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| 97 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 98 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 |
| 99 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 |
| 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 101 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 102 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 103 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 105 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 106 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 107 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 109 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |
| 110 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 111 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 112 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 113 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 114 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 115 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| 116 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| 117 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 118 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 119 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 120 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 124 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| ALL | 0 | 5 | 25 | 43 | 117 | 173 | 74 | 29 | 19 | 17 | 8 | 1 | 7 | 3 | 2 | 1 | 2 | 1 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 529 |


| AVE | . 059.7 | 57.6 | 63.0 | 68.8 | 72.3 | 75.8 | 87. | 95.0 | 99.31 | 03.61 |  |  |  |  |  |  |  | . 0 | . 0 | . 0115.0 | . 0118.5 | . 0 | . 0 | . 0 | . 0 | . 0 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| +1CI | . 037.8 | 41.9 | 51.0 | 51.4 | 58.1 | 59.9 | 79.2 | 83.6 | 84.6 | 8. 6 | 93.1 | 3.1 | 95.9 | 4.21 | 2.9 | 99. | 4.3 | . 0 | . 0 | . 0105.3 | . 0108.8 | . 0 | . 0 | . 0 | . 0 | . 0 | . 0 |
| -1CI | . 081.6 | 73.4 | 75.0 | 86.2 | 86.6 | 91.8 | 96.01 | 106.41 | 114.01 | 19.51 | 124.91 | 21.21 | 24.1 | 8.31 | 7.11 | 8. | 33.7 | . 0 | . 0 | 124.7 | . 0128.2 | . 0 | . 0 | . 0 | . 0 | . 0 | . 0 |
| VAR | . 0125.0 | 64.4 | 37.6 | 78.8 | 52.9 | 66.2 | 18.5 | 33.7 | 56.2 | 66.1 | 66.1 | 21.5 | 52.0 | 1. | 1. | 24.5 | 24.5 | . 0 | . 0 | . 024.5 | . 024.5 | . 0 | . 0 | . 0 | . 0 | . 0 | . 0 |
| S | . 011.2 | 8.0 | 6.1 | 8.9 | 7.3 | 8.1 | 4.3 | 5.8 | 7.5 | 8.1 | 8.1 | 4.6 | 7.2 | 1.1 | 1.1 | 4.9 | 4.9 | . 0 | . 0 | . 0 | . 0 | . 0 | . 0 | . 0 | . 0 | . 0 | . 0 |
| SE | . $0 \quad 5.0$ | 1.6 | . 9 | . 8 | . 6 | . 9 | . 8 | 1.3 | 1.8 | 2.9 | 8.1 | 1.8 | 4.2 | . 7 | 1.1 | 3.5 | 4.9 | . 0 | . 0 | . $0 \quad 4.9$ | . $0 \quad 4.9$ | . 0 | . 0 | . 0 | . 0 | . 0 | . 0 |
| cv | 18. | . 9 | 9.7 | 12.9 | 10.1 | . 7 | 4. | 6.1 | 7.5 | 7.8 | 7.5 | 4.1 | 6.6 | 9 | . 9 | 4.5 | 4.0 | . 0 | . 0 |  |  | . 0 | . 0 | . 0 | . 0 |  |  |

Table 11. Summary of the NMFS, SEFSC gag grouper age observations available for the 2001 stock assessment for 1994, quarters 3 and 4 . Breakdown is by one centimeter total length size group and age. [summary statistics for each age group follows the tabled data. Statistics are: Ave=average length at $\qquad$ //- 195\% confidence interval on size at age, Var=variance of size at age, S= standard deviation, Se=standard error, CV=coefficient of format].

| AGE |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| SIze | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 0 |  |
| 50 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |  |
| 52 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  | 1 |
| 53 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  | 1 |
| 54 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  | 1 |
| 55 | 0 | 0 | 1 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  | 4 |
| 58 | 0 | 0 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  | 3 |
| 59 | 0 | 0 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  | 3 |
| 60 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  | 3 |
| 61 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |  |



| AVE | .0 | .0 | 58.2 | 57.1 | 62.4 | 73.6 | 93.4 | 92.5 | 93.4 | 88.1 | .0109 .3112 .0122 .0 | .0 |  |  |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| +1CI | .0 | .0 | 44.0 | 47.8 | 52.9 | 59.4 | 79.2 | 76.1 | 77.7 | 71.4 | .0 | 89.7 | 92.4102 .4 | .0 |
| - CI | .0 | .0 | 72.5 | 66.4 | 71.9 | 87.9107 .6109 .0109 .2104 .8 | .0129 .0131 .6141 .6 | .0 |  |  |  |  |  |  |
| VAR | .0 | .0 | 53.0 | 22.5 | 23.6 | 52.8 | 52.8 | 70.4 | 64.5 | 72.6 | .0100 .3100 .3100 .3 | .0 |  |  |
| S | .0 | .0 | 7.3 | 4.7 | 4.9 | 7.3 | 7.3 | 8.4 | 8.0 | 8.5 | .0 | 10.0 | 10.0 | 10.0 |
| SE | .0 | .0 | 4.2 | 1.5 | 1.3 | 1.0 | 7.3 | 3.4 | 2.8 | 4.9 | .0 | 5.8 | 10.0 | 10.0 |
| SE | .0 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CV | .0 | .0 | 12.5 | 8.3 | 7.8 | 9.9 | 7.8 | 9.1 | 8.6 | 9.7 | .0 | 9.2 | 8.9 | 8.2 |

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| .0115 .0 | .0119 .0121 .0 |
| :--- | :--- |
| .095 .4 | .099 .4101 .4 |
| .0134 .6 | .0138 .6140 .6 |
| .0100 .3 | .0100 .3100 .3 |
| .010 .0 | .010 .010 .0 |
| .010 .0 | .010 .010 .0 |

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.0134 .6
0138.6140 .6
.0100 .3100 .3
. $10.0-.010 .0 \quad 10.0$
$\begin{array}{llll}10.0 & .0 & 10.0 & 10.0\end{array}$ .0
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AVE . $0 \quad .0 \begin{array}{lllllllll} & 58.2 & 57.1 & 62.4 & 73.6 & 93.4 & 92.5 & 93.4 & 88.1\end{array}$ $\begin{array}{llllllllllllllllll} & 0 & 53.0 & 22.5 & 23.6 & 52.8 & 52.8 & 70.4 & 64.5 & 72.6\end{array}$
SE
$\begin{array}{lllllllllllll}0 & 12.5 & 8 . & 3 & 7.8 & 9 & 9 & 7.8 & 9.1 & 8 . & 6 & 9.7\end{array}$

[^1]$\begin{array}{ll}0 & 0 \\ 0 & 0\end{array}$ 0
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0 $\begin{array}{ll}0 & 0 \\ 0 & 0 \\ 0 & 0\end{array}$ 0 $\begin{array}{ll}0 & 0 \\ 0 & 0\end{array}$ 0 0
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| Age |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| SIze | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 0 | - 29 |
| 49 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  | 2 |
| 50 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  | 1 |
| 51 | 0 | 1 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  | 3 |
| 52 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  | 1 |
| 53 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  | 1 |
| 56 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  | 2 |
| 57 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  | 1 |
| 58 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  | 1 |
| 59 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  | 2 |
| 60 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  | 3 |
| 61 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  | 2 |
| 62 | 0 | 0 | 0 | 0 | 1 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  | 4 |
| 63 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  | 2 |
| 64 | 0 | 0 | 0 | 1 | 1 | 1 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  | 6 |
| 65 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  | 1 |
| 66 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  | 4 |
| 67 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  | 2 |
| 68 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  | 4 |
| 69 | 0 | 0 | 0 | 1 | 0 | 3 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  | 9 |
| 70 | 0 | 0 | 0 | 0 | 0 | 2 | 8 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  | 11 |
| 71 | 0 | 0 | 0 | 0 | 1 | 4 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  | 8 |
| 72 | 0 | 0 | 0 | 1 | 0 | 3 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  | 11 |
| 73 | 0 | 0 | 0 | 0 | 0 | 1 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  | 6 |
| 74 | 0 | 0 | 0 | 0 | 1 | 3 | 12 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  | 18 |
| 75 | 0 | 0 | 0 | 0 | 0 | 4 | 9 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  | 15 |
| 76 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  | 10 |
| 77 | 0 | 0 | 0 | 0 | 2 | 1 | 5 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  | 10 |
| 78 | 0 | 0 | 0 | 0 | 1 | 2 | 4 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  | 9 |
| 79 | 0 | 0 | 0 | 0 | 0 | 1 | 5 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  | 8 |
| 80 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  | 5 |
| 81 | 0 | 0 | 0 | 0 | 0 | 4 | 6 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  | 11 |
| 82 | 0 | 0 | 0 | 0 | 0 | 1 | 6 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  | 9 |
| 83 | 0 | 0 | 0 | 0 | 1 | 0 | 7 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  | 10 |
| 84 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  | 8 |
| 85 | 0 | 0 | 0 | 0 | 1 | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  | 7 |
| 86 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  | 3 |
| 87 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  | 4 |
| 88 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  | 5 |
| 89 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 1 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  | 7 |
| 90 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  | 3 |
| 91 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  | 1 |
| 92 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  | 2 |
| 93 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  | 4 |
| 94 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  | 4 |
| 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  | 1 |
| 96 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  | 3 |
| 97 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | 0 | 0 | 0 | 0 | 0 | 0 |  |  |


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| AVE | .0 | .0 | 39.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
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| +1CI | .0 | .0 | 39.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| -1CI | .0 | .0 | 39.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| VAR | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
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Table 14. Summary of the NMFS, SEFSC gag grouper age observations available for the 2001 stock assessment for 1996 quarters 1 and 2 . Breakdown is by one centimeter total length size group and age. [summary statistics for each age group follows the tabled data. Statistics are: Ave=average length at +/- 195\% confidence interval on size at age, Var=variance of size at age, S= standard deviation, Se=standard error, CV=coefficient format].

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| 38 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 39 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 44 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 47 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 48 | 0 | 0 | 4 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |
| 49 | 0 | 0 | 6 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 |
| 50 | 0 | 0 | 12 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14 |
| 51 | 0 | 1 | 14 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17 |
| 52 | 0 | 0 | 13 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15 |
| 53 | 0 | 0 | 10 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13 |
| 54 | 0 | 0 | 8 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 |
| 55 | 0 | 0 | 8 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 |
| 56 | 0 | 0 | 6 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 |
| 57 | 0 | 0 | 4 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 |
| 58 | 0 | 0 | 3 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 |
| 59 | 0 | 0 | 3 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 |
| 60 | 0 | 0 | 3 | 9 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13 |
| 61 | 0 | 0 | 3 | 10 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14 |
| 62 | 0 | 0 | 2 | 4 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 |
| 63 | 0 | 0 | 3 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 |
| 64 | 0 | 0 | 2 | 4 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 |
| 65 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| 66 | 0 | 0 | 1 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 |
| 67 | 0 | 0 | 2 | 2 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 |
| 68 | 0 | 0 | 0 | 5 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 |
| 69 | 0 | 0 | 0 | 3 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 |
| 70 | 0 | 0 | 0 | 1 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| 71 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 72 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 73 | 0 | 0 | 0 | 0 | 6 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 |
| 74 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| 75 | 0 | 0 | 0 | 0 | 6 | 2 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 |
| 76 | 0 | 0 | 0 | 0 | 1 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |
| 77 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| 78 | 0 | 0 | 0 | 0 | 2 | 2 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 |
| 79 | 0 | 0 | 0 | 0 | 1 | 5 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 |
| 80 | 0 | 0 | 0 | 0 | 1 | 1 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 81 | 0 | 0 | 0 | 0 | 1 | 2 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 |
| 82 | 0 | 0 | 0 | 0 | 1 | 1 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |
| 83 | 0 | 0 | 0 | 0 | 1 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |
| 84 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |
| 85 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| 86 | 0 | 0 | 0 | 0 | 1 | 0 | 7 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 |
| 87 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 |
| 88 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| 89 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 |
| 90 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |


| 91 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
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| 93 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 94 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 95 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| 97 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 0 |
| 100 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 0 |
| 101 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 102 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| 104 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 |
| 105 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| 106 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| 108 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| 110 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| 111 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 0 | 0 |
| 112 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| 113 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 1 |
| 115 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 |
| 117 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| 119 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| 120 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 122 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
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$\begin{array}{lrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrr}\text { S } & .0 & .0 & 5.3 & 5.3 & 7.1 & 8.9 & 8.3 & 7.0 & 1.7 & 5.6 & 5.7 & .0 & 2.8 & 12.7 & .0 & 1.2 & .0 & 1.2 & .0 & .0 & .0 & .0 & .0 & .0 & .0 & .0 & .0 & .0 & .0 & .0 \\ \mathrm{SE} & .0 & .0 & .5 & .6 & 1.1 & 1.5 & 1.0 & 1.7 & .9 & 3.2 & 1.7 & .0 & 2.0 & 9.0 & .0 & .7 & .0 & 1.2 & .0 & .0 & .0 & .0 & .0 & .0 & .0 & .0 & .0 & .0 & .0 & .0 \\ \mathrm{CV} & .0 & .0 & 9.9 & 8.7 & 9.8 & 11.6 & 9.5 & 8.1 & 1.6 & 5.3 & 5.2 & .0 & 2.4 & 12.2 & .0 & 1.0 & .0 & 1.0 & .0 & .0 & .0 & .0 & .0 & .0 & .0 & .0 & .0 & .0 & .0 & .0\end{array}$

YEAR \& Quarters are 9634

|  |  |  |  |  |  |  |  |  |  |  |  | Ac |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Size | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 0-29 |
| 49 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 55 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 58 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 65 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 67 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 71 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 79 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| 82 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 83 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 84 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 85 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 86 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 87 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 |
| 89 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 90 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 91 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 92 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 93 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 95 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 96 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 97 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 106 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 114 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 115 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| ALL | 0 | 0 | 1 | 3 | 2 | 10 | 5 | 10 | 1 | 3 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 37 |


| AVE | .0 | .0 | 49.0 | 62.3 | 64.5 | 84.8 | 88.0 | 87.8 | 96.0100 .7 | .0114 .0 | .0115 .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| +1CI | .0 | .0 | 49.0 | 49.7 | 46.5 | 77.5 | 72.6 | 81.3 | 89.5 | 90.8 | .0104 .1 | .0105 .1 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |  |  |
| -1CI | .0 | .0 | 49.0 | 74.9 | 82.5 | 92.1103 .4 | 94.3102 .5110 .5 | .0123 .9 | .0124 .9 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |  |  |  |  |  |
| VAR | .0 | .0 | .0 | 41.3 | 84.5 | 14.0 | 62.0 | 10.8 | 10.8 | 25.3 | .0 | 25.3 | .0 | 25.3 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| S | .0 | .0 | .0 | 6.4 | 9.2 | 3.7 | 7.9 | 3.3 | 3.3 | 5.0 | .0 | 5.0 | .0 | 5.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| SE | .0 | .0 | .0 | 3.7 | 6.5 | 1.2 | 3.5 | 1.0 | 3.3 | 2.9 | .0 | 5.0 | .0 | 5.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| CV | .0 | .0 | .0 | 10.3 | 14.3 | 4.4 | 8.9 | 3.8 | 3.4 | 5.0 | .0 | 4.4 | .0 | 4.4 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |


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| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| SIzE | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 0-29 |
| 41 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 46 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 47 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 49 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 50 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 52 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 54 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 55 | 0 | 0 | 1 | 3 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 |
| 56 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 57 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 58 | 0 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| 59 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 60 | 0 | 0 | 0 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| 61 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 64 | 0 | 0 | 0 | 1 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |
| 65 | 0 | 0 | 0 | 1 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| 66 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 67 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 68 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 71 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 72 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| 77 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 78 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 81 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 82 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 84 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 85 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 88 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 89 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 91 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |
| 92 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |  |
| 93 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 95 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 96 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 97 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 98 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 103 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 105 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 106 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 107 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 113 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 114 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 117 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 118 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 122 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 127 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |


| AVE | .0 | .0 | 55.0 | 59.2 | 63.8 | 77.5 | 87.8 | 89.6108 .1 | .0 | .0115 .5114 .0112 .7 | .0121 .5 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 92.0 |  |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| +1CI | .0 | .0 | 55.0 | 48.9 | 41.8 | 46.2 | 59.8 | 60.3 | 91.0 | .0 | .0108 .6107 .1 | 88.5 | .0 | 97.3 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 67.7 |  |  |
| -ICI | .0 | .0 | 55.0 | 69.6 | 85.9108 .8115 .7118 .9125 .3 | .0 | .0122 .4120 .9137 .0 | .0145 .8 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0116 .3 |  |  |  |  |  |  |  |  |  |
| VAR | .0 | .0 | .0 | 27.9126 .6254 .3203 .6223 .8 | 76.9 | .0 | .0 | 12.5 | 12.5153 .1 | .0153 .1 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0153 .1 |  |  |  |  |  |  |  |
| S | .0 | .0 | .0 | 5.3 | 11.3 | 15.9 | 14.3 | 15.0 | 8.8 | .0 | .0 | 3.5 | 3.5 | 12.4 | .0 | 12.4 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 12.4 |
| SE | .0 | .0 | .0 | 1.5 | 2.0 | 5.6 | 5.0 | 4.7 | 5.1 | .0 | .0 | 2.5 | 3.5 | 7.1 | .0 | 12.4 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 12.4 |
| CV | .0 | .0 | .0 | 8.9 | 17.6 | 20.6 | 16.3 | 16.7 | 8.1 | .0 | .0 | 3.1 | 3.1 | 11.0 | .0 | 10.2 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 13.5 |


|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| SIZE | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 0-29 |
| 50 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 51 | 0 | 0 | 1 | 3 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |
| 52 | 0 | 0 | 0 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| 53 | 0 | 0 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 54 | 0 | 0 | 2 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 |
| 55 | 0 | 0 | 1 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| 56 | 0 | 0 | 0 | 2 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 |
| 57 | 0 | 0 | 0 | 0 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| 58 | 0 | 0 | 0 | 2 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 |
| 59 | 0 | 0 | 0 | 0 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |
| 60 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| 61 | 0 | 0 | 0 | 0 | 1 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |
| 62 | 0 | 0 | 0 | 1 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |
| 63 | 0 | 0 | 0 | 1 | 0 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 |
| 64 | 0 | 0 | 0 | 1 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |
| 65 | 0 | 0 | 0 | 0 | 1 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |
| 66 | 0 | 0 | 0 | 0 | 3 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 |
| 67 | 0 | 0 | 0 | 0 | 2 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 |
| 68 | 0 | 0 | 0 | 1 | 1 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 |
| 69 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 70 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 71 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 72 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| 73 | 0 | 0 | 0 | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 74 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 75 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| 76 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 77 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 80 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 81 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| 83 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 84 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 85 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 87 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 89 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 91 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 93 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| 94 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| 96 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 97 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 98 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 101 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 102 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 103 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 104 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 105 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |


| 106 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 107 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| 108 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 110 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 112 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| 117 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 119 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ALL | 0 | 0 | 4 | 21 | 28 | 62 | 13 | 8 | 7 | 1 | 4 | 0 |


| AVE | .0 | .0 | 53.5 | 58.3 | 60.6 | 65.2 | 80.4 | 93.8 | 95.8 | 96.0104 .7 | .0104 .6108 .4105 .0101 .0114 .7108 .0 | .0101 .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |  |  |  |  |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| +1CI | .0 | .0 | 50.1 | 42.0 | 50.0 | 52.2 | 62.7 | 80.1 | 83.2 | 83.4 | 93.1 | .0 | 93.0 | 93.2 | 89.8 | 85.8101 .6 | 94.9 | .0 | 87.9 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |  |
| -1CI | .0 | .0 | 56.9 | 74.6 | 71.2 | 78.3 | 98.1107 .4108 .4108 .6116 .3 | .0116 .3123 .6120 .2116 .2127 .9121 .1 | .0114 .1 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |  |  |  |  |  |  |  |  |  |  |  |
| VAR | .0 | .0 | 3.0 | 69.3 | 29.0 | 44.3 | 81.7 | 48.5 | 41.6 | 41.6 | 35.2 | .0 | 35.2 | 59.9 | 59.9 | 59.9 | 44.9 | 44.9 | .0 | 44.9 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| S | .0 | .0 | 1.7 | 8.3 | 5.4 | 6.7 | 9.0 | 7.0 | 6.4 | 6.4 | 5.9 | .0 | 5.9 | 7.7 | 7.7 | 7.7 | 6.7 | 6.7 | .0 | 6.7 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| SE | .0 | .0 | .9 | 1.8 | 1.0 | .8 | 2.5 | 2.5 | 2.4 | 6.4 | 3.0 | .0 | 5.9 | 4.5 | 7.7 | 7.7 | 4.7 | 6.7 | .0 | 6.7 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| CV | .0 | .0 | 3.2 | 14.3 | 8.9 | 10.2 | 11.2 | 7.4 | 6.7 | 6.7 | 5.7 | .0 | 5.7 | 7.1 | 7.4 | 7.7 | 5.8 | 6.2 | .0 | 6.6 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |


|  |  |  |  |  |  |  |  |  |  |  |  | AG |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| SIZE | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 0-29 |
| 27 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | , | 0 | 0 | 0 | 0 | 0 | 1 |
| 29 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 35 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 42 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 50 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 52 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 54 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 55 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 56 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 57 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 58 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 59 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 60 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 61 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 62 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 63 | 0 | 0 | 0 | 1 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 64 | 0 | 0 | 0 | 1 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 65 | 0 | 0 | 0 | 2 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 66 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 67 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 68 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 69 | 0 | 0 | 0 | 0 | 1 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 70 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 71 | 0 | 0 | 0 | 0 | 4 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 72 | 0 | 0 | 0 | 0 | 2 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 73 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 74 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 75 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 76 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 77 | 0 | 0 | 0 | 0 | 2 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 78 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 79 | 0 | 0 | 0 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 80 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 81 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 82 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 83 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 84 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 85 | 0 | 0 | 0 | 0 | 1 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 86 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 87 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 88 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 89 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 91 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 92 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 93 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | - | 0 |  |


| 96 | 0 |  | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |  | 0 | 0 | 0 | 0 |  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 98 | 0 |  | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |  | 0 | 0 | 0 | 0 |  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 101 | 0 |  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |  | 0 | 0 | 0 | 0 |  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 102 | 0 |  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |  | 0 | 0 | 0 | 0 |  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 105 | 0 |  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |  | 0 | 0 | 0 | 0 |  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 106 | 0 |  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |  | 0 | 0 | 0 | 0 |  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 108 | 0 |  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  | 0 | 0 | 1 | 0 |  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 109 | 0 |  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |  | 0 | 0 | 0 | 0 |  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 110 | 0 |  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |  | 0 | 0 | 0 | 0 |  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 112 | 0 |  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |  | 0 | 0 | 0 | 0 |  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 113 | 0 |  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |  | 0 | 0 | 0 | 0 |  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 116 | 0 |  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  | 0 | 1 | 0 | 0 |  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 118 | 0 |  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  | 1 | 0 | 0 | 0 |  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 120 | 0 |  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  | 0 | 0 | 1 | 0 |  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 122 | 0 |  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  | 0 | 1 | 0 | 0 |  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 124 | 0 |  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |  | 0 | 0 | 0 | 0 |  | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 130 | 0 |  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  | 0 | 0 | 1 | 0 |  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 135 | 0 |  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  | 0 | 0 | 1 | 0 |  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ALL | 0 |  | 5 | 4 | 7 | 39 | 45 | 4 | 7 | 6 | 4 | 3 | 1 | 0 |  | 1 | 2 | 4 | 0 |  | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| AVE |  | . 0 | 40.0 | 51.0 | 63.6 | 70.3 | 74.4 | 85.1 | 91.5 | 97.11 | 104.11 | 116.1 | 80.6 |  | . 011 | 18.01 | 119.01 | 123.3 |  | . 0 |  | . 0123.6 | . 0 | . 0 | . 0 | . 0 | . 0 | . 0 | . 0 | . 0 | . 0 | . 0 | . 0 |
| +1CI |  | . 0 | 17.3 | 29.7 | 55.8 | 52.2 | 59.5 | 73.4 | 81.3 | 84.4 | 86.51 | 103.3 | 67.9 |  | . 010 | 05.21 | 110.51 | 100.1 |  | . 0 |  | . 0100.4 | . 0 | . 0 | . 0 | . 0 | . 0 | . 0 | . 0 | . 0 | . 0 | . 0 | . 0 |
| -1CI |  | . 0 | 62.7 | 72.4 | 71.3 | 88.3 | 89.3 | 96.71 | 101.71 | 109.7121 | 121.71 | 128.8 | 93.4 |  | . 013 | 30.81 | 127.51 | 146.5 |  | . 0 |  | . 0146.8 | . 0 | . 0 | . 0 | . 0 | . 0 | . 0 | . 0 | . 0 | . 0 | . 0 | . 0 |
| VAR |  |  | 34.51 | 118.9 | 15.7 | 85.2 | 57.7 | 35.3 | 27.1 | 41.7 | 80.7 | 42.4 | 42.4 |  | . 0 | 42.4 | 18.81 | 140.0 |  | . 0 |  | . 0140.0 | . 0 | . 0 | . 0 | . 0 | . 0 | . 0 | . 0 | . 0 | . 0 | . 0 | . 0 |
| s |  | . 0 | 11.6 | 10.9 | 4.0 | 9.2 | 7.6 | 5.9 | 5.2 | 6.5 | 9.0 | 6.5 | 6.5 |  | . 0 | 6.5 | 4.3 | 11.8 |  | . 0 |  | . 011.8 | . 0 | . 0 | . 0 | . 0 | . 0 | . 0 | . 0 | . 0 | . 0 | . 0 | . 0 |
| SE |  | . 0 | 5.2 | 5.5 | 1.5 | 1.5 | 1.1 | 3.0 | 2.0 | 2.6 | 4.5 | 3.8 | 6.5 |  | . 0 | 6.5 | 3.1 | 5.9 |  | . 0 |  | . 011.8 | . 0 | . 0 | . 0 | . 0 | . 0 | . 0 | . 0 | . 0 | . 0 | . 0 | . 0 |
| cv |  | . 0 | 29.0 | 21.4 | 6.2 | 13.1 | 10.2 | 7.0 | 5.7 | 6.7 | 8.6 | 5.6 | 8.1 |  | . 0 | 5.5 | 3.6 | 9.6 |  | . 0 |  | . $0 \quad 9.6$ | . 0 | . 0 | . 0 | . 0 | . 0 | . 0 | . 0 | . 0 | . 0 | . 0 | . 0 |


|  |  |  |  |  |  |  |  |  |  |  |  | AG |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| SIZE | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 0-29 |
| 48 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | , | 0 | 0 | 0 | 0 | 0 | 1 |
| 49 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 50 | 0 | 0 | 1 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 51 | 0 | 0 | 0 | 9 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 |
| 52 | 0 | 0 | 1 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 53 | 0 | 0 | 1 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 54 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 55 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |
| 56 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 57 | 0 | 0 | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 58 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 59 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 60 | 0 | 0 | 0 | 2 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 61 | 0 | 0 | 0 | 2 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 62 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 63 | 0 | 0 | 0 | 2 | 1 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 64 | 0 | 0 | 0 | 0 | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 65 | 0 | 0 | 0 | 1 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - |
| 66 | 0 | 0 | 0 | 0 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| 67 | 0 | 0 | 0 | 0 | 1 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 68 | 0 | 0 | 0 | 1 | 5 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 |
| 69 | 0 | 0 | 0 | 0 | 3 | 3 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 |
| 70 | 0 | 0 | 0 | 1 | 1 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 71 | 0 | 0 | 0 | 0 | 1 | 4 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 |
| 72 | 0 | 0 | 0 | 0 | 2 | 6 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 |
| 73 | 0 | 0 | 0 | 0 | 2 | 4 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 |
| 74 | 0 | 0 | 0 | 1 | 0 | 4 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 |
| 75 | 0 | 0 | 0 | 0 | 1 | 2 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 |
| 76 | 0 | 0 | 0 | 0 | 3 | 4 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 |
| 77 | 0 | 0 | 0 | 0 | 2 | 7 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 |
| 78 | 0 | 0 | 0 | 0 | 1 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 79 | 0 | 0 | 0 | 0 | 0 | 2 | 7 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 |
| 80 | 0 | 0 | 0 | 0 | 1 | 4 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13 |
| 81 | 0 | 0 | 0 | 0 | 1 | 3 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 |
| 82 | 0 | 0 | 0 | 1 | 0 | 3 | 4 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 |
| 83 | 0 | 0 | 0 | 0 | 0 | 2 | 5 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 |
| 84 | 0 | 0 | 0 | 0 | 1 | 1 | 5 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 |
| 85 | 0 | 0 | 0 | 0 | 0 | 3 | 8 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14 |
| 86 | 0 | 0 | 0 | 0 | 1 | 3 | 8 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14 |
| 87 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 |
| 88 | 0 | 0 | 0 | 0 | 1 | 2 | 6 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 |
| 89 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 90 | 0 | 0 | 0 | 0 | 0 | 3 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 91 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 2 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 92 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 93 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 94 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | 0 |  |


$\begin{array}{lll}0 & 0 & 0 \\ 0 & 0 & 0\end{array}$ $\begin{array}{lll}0 & 0 & 0 \\ 0 & 0 & 0\end{array}$ $\begin{array}{lllllllll}0 & 0 & 0 & 0 & 0 & 0 & 1 & 2 & 2 \\ 0 & 0 & 0 & 0 & 0 & 1 & 1 & 1 & 2\end{array}$ 0
0
0
0 $\begin{array}{ll}1 & 0 \\ 3 & 0 \\ 4 & 0\end{array}$ , 108 0

| 111 |  |
| :--- | :--- |
| 113 | 0 | $\begin{array}{ll}0 & 0 \\ 0 & 0\end{array}$ 0 $\begin{array}{lll}0 & 0 & 0 \\ 0 & 0 & 0 \\ 0 & 0 & 0 \\ 0 & 0 & 0\end{array}$

 $\begin{array}{ll}0 \\ 1 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 2 \\ 1 \\ 0 \\ 1 \\ 0 \\ 1 & \\ 0 \\ 0 \\ 1 \\ 0 \\ 1 \\ 0 \\ 1 & \\ 0 \\ 0 \\ 0\end{array}$ $\begin{array}{lllllll}0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 1 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 1 & 0 & 0 \\ 0 & 1 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 1 \\ 0 & 0 & 1 & 0 & 0 & 0 & 0 \\ 0 & 1 & 0 & 0 & 0 & 0 & 0 \\ 0 & 1 & 0 & 0 & 0 & 0 & 0 \\ 1 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 1 & 0 & 0 & 0 \\ 1 & 0 & 0 & 0 & 1 & 0 & 0 \\ 1 & 0 & 0 & 0 & 0 & 0 & 1 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0\end{array}$ $\begin{array}{lllllllllll}0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 6 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 6 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 8 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 5 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 1 \\ 0 & 0 & 1 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 2 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 3 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 1 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 2 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 1 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 3 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 2 \\ 1 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 1 \\ 0 & 0 & 0 & 0 & 0 & 0 & 1 & 0 & 0 & 0 & 3 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 2 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 2 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 0 & 0 & 0 & 0 & 1 & 0 & 1\end{array}$

| AVE | .0 | .0 | 53.0 | 55.3 | 68.3 | 77.8 | 81.1 | 91.3 | 98.6103 .0100 .2107 .4111 .0116 .9113 .9115 .0121 .0114 .2 | .0118 .4120 .0 | .0 | 94.5129 .7 | .0 | .0121 .0 | .0127 .5 | .0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| +1CI | .0 | .0 | 47.2 | 41.6 | 51.5 | 58.8 | 65.2 | 76.9 | 82.2 | 84.7 | 84.5 | 93.7 | 98.0 | 99.7102 .4103 .6109 .6 | 92.0 | .0107 .1108 .7 | .0 | 70.9106 .1 | .0 | .0 | 97.4 | .0120 .6 | .0 |  |  |  |  |  |  |  |
| -1CI | .0 | .0 | 58.8 | 69.1 | 85.0 | 96.9 | 97.0105 .6115 .1121 .4115 .8121 .1124 .0134 .0125 .3126 .4132 .4136 .5 | .0129 .8131 .3 | .0118 .1153 .3 | .0 | .0144 .6 | .0134 .4 | .0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| VAR | .0 | .0 | 8.7 | 49.3 | 72.9 | 94.1 | 65.7 | 53.8 | 70.4 | 87.7 | 63.9 | 49.0 | 43.7 | 76.4 | 34.0 | 34.0 | 34.0128 .8 | .0 | 33.5 | 33.5 | .0144 .5144 .5 | .0 | .0144 .5 | .0 | 12.5 | .0 |  |  |  |  |
| S | .0 | .0 | 2.9 | 7.0 | 8.5 | 9.7 | 8.1 | 7.3 | 8.4 | 9.4 | 8.0 | 7.0 | 6.6 | 8.7 | 5.8 | 5.8 | 5.8 | 11.4 | .0 | 5.8 | 5.8 | .0 | 12.0 | 12.0 | .0 | .0 | 12.0 | .0 | 3.5 | .0 |
| SE | .0 | .0 | 1.5 | 1.0 | 1.2 | 1.0 | .7 | 1.3 | 1.6 | 2.3 | 2.7 | 2.3 | 3.3 | 4.4 | 3.4 | 5.8 | 5.8 | 8.0 | .0 | 4.1 | 5.8 | .0 | 8.5 | 12.0 | .0 | .0 | 12.0 | .0 | 2.5 | .0 |
| CV | .0 | .0 | 5.6 | 12.7 | 12.5 | 12.5 | 10.0 | 8.0 | 8.5 | 9.1 | 8.0 | 6.5 | 6.0 | 7.5 | 5.1 | 5.1 | 4.8 | 9.9 | .0 | 4.9 | 4.8 | .0 | 12.7 | 9.3 | .0 | .0 | 9.9 | .0 | 2.8 | .0 |


|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| SIZE | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 0-29 |
| 26 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 44 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 47 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 48 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 49 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 51 | 0 | 0 | 1 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 |
| 52 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 53 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| 54 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 55 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 56 | 0 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| 57 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 58 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 59 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| 60 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 61 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 62 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 65 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 68 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 69 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 70 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 71 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 72 | 0 | 0 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| 73 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 74 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 75 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 76 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 77 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 78 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 81 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| 82 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 83 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 85 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 87 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 88 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 91 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 92 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| 93 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 94 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 95 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| 96 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 98 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 103 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 109 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
|  |  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |  |  | 0 | - | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | 0 | , | - |  |


| 112 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 114 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 119 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 128 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| ALL | 1 | 0 | 7 | 30 | 6 | 13 | 15 | 5 | 2 | 4 | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 87 |


| AVE | . 0 | . 0 | 52.4 | 57.5 | 76.6 | 78.8 | 86.3 | 96.811 | 13.1 | 99.01 | 103.1 |  | 110.8 | . 0 | . 0 | . 0119.0 | . 0 | . 0 | . 0128.0 | . 0 | . 0 | . 0 | . 0 | . 0 | . 0 | . 0 | . 0 | . 0 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| +1CI | . 0 | . 0 | 43.2 | 40.5 | 63.5 | 59.7 | 70.8 | 76.610 | 09.5 | 81.1 | 85.1 | . 0 | 92.8 | . 0 | . 0 | . 0101.0 | . 0 | . 0 | . 0110.0 | . 0 | . 0 | . 0 | . 0 | . 0 | . 0 | . 0 | . 0 | . 0 |
| -1CI | . 0 | . 0 | 61.6 | 74.5 | 89.6 | 97.91 | 101.91 | 117.011 | 16.611 | 117.01 | 121.1 |  | 128.8 | . 0 | . 0 | . 0137.0 | . 0 | . 0 | . 0146.0 | . 0 | . 0 | . 0 | . 0 | . 0 | . 0 | . 0 | . 0 | . 0 |
| VAR | . 0 | . 0 | 22.0 | 75.5 | 44.2 | 95.2 | 63.01 | 106.4 | 3.3 | 84.1 | 84.1 | . 0 | 84.1 | . 0 | . 0 | . 084.1 | . 0 | . 0 | . 084.1 | . 0 | . 0 | . 0 | . 0 | . 0 | . 0 | . 0 | . 0 | . 0 |
| s | . 0 | . 0 | 4.7 | 8.7 | 6.6 | 9.8 | 7.9 | 10.3 | 1.8 | 9.2 | 9.2 | . 0 | 9.2 | . 0 | . 0 | . 09.2 | . 0 | . 0 | .0 9.2 | . 0 | . 0 | . 0 | . 0 | . 0 | . 0 | . 0 | . 0 | . 0 |
| SE | . 0 | . 0 | 1.8 | 1.6 | 2.7 | 2.7 | 2.0 | 4.6 | 1.3 | 4.6 | 9.2 | . 0 | 9.2 | . 0 | . 0 | . $0 \quad 9.2$ | . 0 | . 0 | . $0 \quad 9.2$ | . 0 | . 0 | . 0 | . 0 | . 0 | . 0 | . 0 | . 0 | . 0 |
| CV | . 0 | . 0 | 8.9 | 15.1 | 8.7 | 12.4 | 9.2 | 10.7 | 1.6 | 9.3 | 8.9 | . 0 | 8.3 | . 0 | . 0 | . $0 \quad 7.7$ | . 0 | . 0 | . $0 \quad 7.2$ | . 0 | . 0 | . 0 | . 0 | . 0 | . 0 | . 0 | . 0 | . 0 |


|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| SIZE | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |  | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 0-29 |
| 49 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 50 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 51 | 0 | 0 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| 52 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 53 | 0 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| 54 | 0 | 0 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| 55 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 56 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 57 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 58 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 59 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 60 | 0 | 0 | 2 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |  |  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |
| 62 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 63 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 66 | 0 | 0 | 0 | 1 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |
| 68 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 69 | 0 | 0 | 0 | 1 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |  |  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 |
| 70 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |  |  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 71 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |  |  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| 72 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 73 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 0 |  |  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 74 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 0 |  |  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| 75 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 0 |  |  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| 76 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |  |  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 77 | 0 | 0 | 0 | 0 | 0 | 2 | 3 | 0 | 0 | 0 | 0 | 0 |  |  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 78 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 0 |  |  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| 79 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 1 |  |  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| 80 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 0 | 0 | 0 | 0 |  |  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 81 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 3 | 0 | 0 | 0 | 0 |  |  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 82 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 |  |  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 83 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 |  |  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 84 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 |  |  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 86 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 3 | 0 | 0 | 0 | 0 |  |  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| 87 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |  |  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 88 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |  |  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |  |  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 91 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |  |  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |  |  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 101 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |  |  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 107 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |  | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 111 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |  | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 115 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |  | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 117 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| 128 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 |


| AVE | .0 | .0 | 54.2 | 65.1 | 63.5 | 74.3 | 76.9 | 83.1 | 84.7101 .1 | .0 | 79.2 | 99.5115 .4107 .2111 .3 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0127 .7117 .4 | .0 | .0 | .0 |  |  |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| +1CI | .0 | .0 | 47.4 | 51.0 | 51.1 | 61.7 | 70.4 | 74.3 | 66.3 | 82.6 | .0 | 60.8 | 81.1 | 97.0 | 88.8 | 92.9 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0109 .2 | 99.0 | .0 | .0 | .0 |  |
| -1CI | .0 | .0 | 61.0 | 79.2 | 75.9 | 86.9 | 83.3 | 91.9103 .1119 .5 | .0 | 97.6118 .0133 .8125 .6129 .7 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0146 .1135 .8 | .0 | .0 | .0 |  |  |  |  |  |  |  |  |
| VAR | .0 | .0 | 12.0 | 51.7 | 40.1 | 41.2 | 10.8 | 20.3 | 88.3 | 88.3 | .0 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 88.3 | 88.3 | .0 | .0 | .0 |
| S | .0 | .0 | 3.5 | 7.2 | 6.3 | 6.4 | 3.3 | 4.5 | 9.4 | 9.4 | .0 | 9.4 | 9.4 | 9.4 | 9.4 | 9.4 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 9.4 | 9.4 | .0 | .0 | .0 |
| SE | .0 | .0 | .9 | 2.9 | 1.3 | 1.9 | .8 | 1.0 | 6.6 | 9.4 | .0 | 9.4 | 9.4 | 9.4 | 9.4 | 9.4 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 9.4 | 9.4 | .0 | .0 | .0 |
| CV | .0 | .0 | 6.4 | 11.0 | 10.0 | 8.6 | 4.3 | 5.4 | 11.1 | 9.3 | .0 | 11.9 | 9.4 | 8.1 | 8.8 | 8.4 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 7.4 | 8.0 | .0 | .0 | .0 |


|  |  |  |  |  |  |  |  |  |  |  |  | AG |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| SIze | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 0-29 |
| 47 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 49 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 50 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 51 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 52 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 53 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 54 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 55 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 56 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 58 | 0 | 0 | 1 | 2 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 |
| 59 | 0 | 0 | 0 | 8 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 |
| 60 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 61 | 0 | 0 | 0 | 1 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 |
| 62 | 0 | 0 | 1 | 3 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 |
| 63 | 0 | 0 | 1 | 2 | 13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16 |
| 64 | 0 | 0 | 2 | 2 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13 |
| 65 | 0 | 0 | 0 | 6 | 13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 19 |
| 66 | 0 | 0 | 0 | 1 | 12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13 |
| 67 | 0 | 0 | 0 | 2 | 13 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17 |
| 68 | 0 | 0 | 0 | 0 | 19 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 19 |
| 69 | 0 | 0 | 0 | 1 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 21 |
| 70 | 0 | 0 | 0 | 1 | 14 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15 |
| 71 | 0 | 0 | 0 | 1 | 15 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 21 |
| 72 | 0 | 0 | 0 | 1 | 22 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 28 |
| 73 | 0 | 0 | 0 | 1 | 6 | 5 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14 |
| 74 | 0 | 0 | 0 | 0 | 11 | 3 | 7 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 22 |
| 75 | 0 | 0 | 0 | 0 | 9 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13 |
| 76 | 0 | 0 | 0 | 1 | 13 | 4 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 22 |
| 77 | 0 | 0 | 0 | 0 | 7 | 6 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 18 |
| 78 | 0 | 0 | 0 | 0 | 6 | 2 | 7 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16 |
| 79 | 0 | 0 | 0 | 0 | 6 | 6 | 5 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 22 |
| 80 | 0 | 0 | 1 | 0 | 1 | 1 | 5 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 |
| 81 | 0 | 0 | 0 | 0 | 2 | 8 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16 |
| 82 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| 83 | 0 | 0 | 0 | 0 | 3 | 4 | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13 |
| 84 | 0 | 0 | 0 | 0 | 1 | 1 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 |
| 85 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 |
| 86 | 0 | 0 | 0 | 0 | 1 | 1 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |
| 87 | 0 | 0 | 0 | 0 | 2 | 1 | 4 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 |
| 88 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 6 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 |
| 89 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |
| 90 | 0 | 0 | 0 | 0 | 0 | 2 | 3 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 |
| 91 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 |
| 92 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |
| 93 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| 94 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |
| 95 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |


| 96 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 |
| ---: | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 97 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 98 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| 99 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 102 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 103 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| 104 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 107 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 |
| 109 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 110 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 111 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 112 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 114 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| 115 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 116 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 118 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 119 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 120 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 122 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 123 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 124 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 125 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 126 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 127 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 128 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 129 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 134 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ALL | 0 | 1 | 10 | 37 | 240 | 64 | 69 | 48 | 21 |



```
Table 23. Gag grouper instruction file for developing separate age length
    keys(probability of length at age matrices) for the 2001 NMFS, SEFSC
    stock assessment. Age length key matrices were calculated for each
    separate year and half year period (quarters 1,2 and 3,4) as defined in
    the instrction file. [Format follows that of:
    kmack\ass01\makekeys\mkkeys: year, migratory group (6= Gulf of
    Mexico), sex(3=all), number of 5cm length intervals (l), (top of length
    interval(i), i=1,l Intervals) ,'A' (sex combined), species id (GG=gag
    grouper), beginning quarter, end of quarter.
1992,6,3,12,30,55,60,65,70,75,80, 85,90,95,105,200,A,GG,1,2
1992,6,3,12,30,55,60,65,70,75,80, 85, 90, 95,105,200,A,GG, 3, 4
1993,6,3,13,30,50,55,60,65,70,75,80,85,90,95,100,200,A,GG,1,2
1993,6,3,11,30,55,60,65,70,75, 80, 85,90,95,200,A,GG, 3, 4
1994,6,3,14,30,55,60,65,70,75,80, 85, 90, 95,100,110,115,200,A,GG, 1, 2
1994,6,3,10,30,55,60,65,70,75, 80, 85, 95,200,A,GG, 3, 4
1995,6,3,13,30,55,60,65,70,75,80,85,90,95,105,110,200,A,GG,1,2
1996,6,3,13,30,50,55,60,65,70,75,80,85,90,95,105,200,A,GG,1,2
1998,6,3,10,30,55,60,65,70,75,90,100,105,200,A,GG,1,2
1998,6,3,11,30,55,60,65,70,75, 80, 85, 90, 105, 200, A, GG, 3, 4
1999,6,3,17,30,50,55,60,65,70,75,80,85,90,95,100,105,115,120,130,200,A,GG,1,2
1999,6,3,10,30,50,55,60,70,75,80,85,95,200,A,GG,3,4
2000,6,3,8,30,55,70,75,80,85,90,200,A,GG, 1, 2
2000,6,3,16,30,55,60,65,70,75,80,85,90,95,100,110,115,120,125,200,A,GG,3,4
```

Table 24. Calculated matrices of the probability of age within specified length intervals for Gag grouper from the 1992-2000 NMFS, SEFSC collected age observations.
(Format is 1 header record followed by 1 density of age for length interval 1 ( $1=$ total length cm). Format follows format of 1 tet half year (quarters 1,2 ), $2^{m 4}$ half year (quarters 3,4 )

Format for density record: (4I3,20F6.3)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 30 | 29 | 29 | .000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 00 | 00 | 000 | . 00 | . 000 | .000 | . 000 | . 000 | 000 | . 000 | 000 | . 000 | . 000 | .000 | . 000 | .000 | 000 | . 000 | . 000 |  |  |
| 55 | 029 | 2914 | . 000 | . 357 | . 571 | . 071 | 00 | . 000 | . 000 | . 000 | .00 | -00 | . 000 | . 000 | -00 | . 0 | . 000 | . 000 | . 000 | . 000 | 00 | . 000 | .000 | . 000 | .000 | -00 | . | . 000 | . 000 | .000 | . 000 |  |
| 60 | 29 | 2910 | 00 | . 000 | . 600 | 300 | . 100 | 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 |  |
| 65 | 29 | 2915 | . 000 | . 000 | . 733 | . 200 | . 067 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 |  |
| 70 |  | 2917 | . 000 | . 000 | . 235 | 76 | . 353 | . 235 | .00 | -0 | . 000 | .000 | .000 | . 000 | .000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 00 | . 000 | . 000 | . 000 | . 00 | . 000 | . 000 | . 000 |  |
| 75 | 29 | 2929 | 00 | . 00 | . 103 | 69 | . 379 | 414 | . 034 | 000 | . 000 | 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 |  |
| 80 | 029 | 2935 | .000 | 000 | . 000 | 029 | . 257 | . 486 | . 143 | 086 | . 000 | 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 |  |
| 85 |  | 2932 | . 000 | .000 | . 000 | 000 | . 094 | . 219 | . 375 | 250 | . 063 | . 00 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 |  |
| 90 | 29 | 2912 | 00 | .00 | . 000 | . 000 | . 000 | . 417 | . 167 | . 417 | . 000 | 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 |  |
| 95 | 029 | 2911 | . 000 | . 000 | . 000 | . 000 | . 000 | . 182 | . 364 | 455 | .000 | -00 | . 000 | . 000 | . 000 | . 000 | . 0 | 00 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 |  |
| 05 | 029 | 29 | 00 | . 000 | . 000 | . 000 | . 000 | . 167 | . 333 | 333 | . 000 | 000 | . 167 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 |  |
| 200 | 9 | 29 | . 000 | . 00 | . 000 | . 000 | . 000 | .000 | . 000 | . 000 | . 000 | . 167 | . 167 | . 167 | . 167 | . 000 | . 000 | . 000 | . 00 | . 000 | . 333 | . 00 | . 000 | . 00 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | 00 |  |
| Gag1 | 992 | Unk | 212 | 30 | 5560 | 60.65 | 7075 | 80 | 8590 | - 95 | 105200 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30 | 9 | 290 | . 000 | . 00 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | 000 |  | . 00 | . 000 | . 000 | . 000 | . 000 | 000 | . 000 | 000 | 000 | . 00 | . 000 | . 000 | . 000 | . 000 | 000 | . 000 | . 000 |  |
| 55 | 029 | 29 9 | 00 | . 000 | 444 | 556 | D00 | . 000 | . 000 | . 000 | . 000 | . 000 | 00 | 00 | 000 | . 000 | . 000 | . 000 | . 000 | . 00 | . 00 | . 000 | 000 | . 00 | . 000 | . 000 | . 000 | . 000 | 000 | 000 | . 000 |  |
| 60 | 029 | 299 | . 000 | . 000 | . 000 | . 00 | . 000 | 000 | . 000 | -00 | 000 | 000 | . 000 | -00 | . 000 | . 000 | . 00 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 |  |
| 65 | 029 | 2917 | 00 | 000 | . 176 | 706 | . 118 | 00 | . 000 | -00 | D00 | 000 | D00 | . 000 | . 000 | 000 | . 000 | 000 | . 000 | 000 | . 000 | 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 |  |
| 70 | 029 | 21 | 00 | .000 | . 000 | 57 | 43 | 000 | . 000 | . 000 | . 000 | 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 |  |
| 75 |  | 2914 | , | 00 | . 000 | 57 | 143 | 500 | . 000 | . 000 | . 000 | 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 |  |
| 80 | 29 | 2910 | 00 | .00 | . 000 | 000 | 200 | 600 | . 200 | 00 | 000 | D00 | . 000 | . 000 | . 000 | 000 | . 000 | 000 | . 000 | . 000 | . 000 | 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 |  |
| 85 | 029 | 11 | 00 | .000 | . 000 | . 000 | . 000 | . 273 | . 455 | 273 | 000 | .000 | . 000 | 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 |  |
|  |  | 295 | 00 | . 000 | D00 | 000 | 400 | . 000 | . 600 | . 000 | . 000 | 000 | 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 |  |
| 95 | 029 | 29 | 00 | . 000 | . 000 | 000 | . 000 | . 000 | . 400 | 600 | . 000 | -00 | . 000 | . 000 | . 000 | . 000 | . 000 | 000 | . 000 | 000 | . 0 | . 000 | . 0 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | 00 |  |
| 105 | 029 | 298 | . 000 | 000 | .000 | 000 | . 000 | 125 | . 250 | 250 | . 125 | 25 | 25 | 00 | . 000 | . 000 | . 00 | . 000 | . 000 | 000 | . 000 | . 00 | . 000 | . 000 | . 00 | . 000 | . 000 | . 000 | . 000 | . 000 | 00 |  |
| 200 | 029 | 293 | . 000 | . 000 | . 000 | 000 | . 000 | 000 | . 000 | 000 | 0 | . 000 | . 000 | . 333 | . 000 | . 000 |  | 000 | 00 | 333 |  | . 0 |  | - |  | . 000 |  | . 00 |  |  |  |  |
| ag1 | 93 U | Unk a | 46513 | 30 | 50 | 560 | 65 | 75 | 80 | 90 | 95100 | 20 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30 | 029 | 29 | . 000 | 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | 000 | . 00 | . 000 | . 000 | . 000 | . 000 | , |  |  |  | 000 | . |  | . 000 | . 000 | . 000 |  |  |  |  |
| 50 | 029 | 295 | . 000 | . 000 | 00 | 00 | 00 | . 000 | 00 | . 000 | . 000 | . 000 | 00 | 00 | . 000 | . 000 | . 000 | . 000 | 000 | 000 | . 000 | . 000 | 000 | . 000 | . 000 | . 000 | . 000 | . 000 | 00 | . 000 | . 000 |  |
| 55 |  | 2919 | 000 | . 053 | . 105 | 474 | . 316 | . 053 | . 000 | 000 | . 000 | 000 | . 000 | . 000 | . 000 | . 000 | . 00 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 |  |
| 60 | 029 | 2950 | 000 | 000 | . 080 | 360 | . 460 | . 100 | . 000 | 000 | . 000 | 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | 000 | . 000 | . 000 | . 000 | . 000 | . 00 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 |  |
| 65 | 029 | 6 | 00 | 000 | 15 | 354 | 38 | 92 | 000 | 000 | 000 | .00 | 00 | . 000 | .00 | . 000 | . 000 | . 000 | . 000 | 000 | .000 | . 000 | 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | 00 |  |
| 70 | 29 | 2982 | 00 | . 000 | 012 | 366 | . 573 | 037 | . 000 | 012 | . 000 | 000 | . 000 | . 00 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 00 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 |  |
| 75 | 029 | 2963 | .000 | 000 | . 016 | 206 | . 556 | . 143 | . 079 | 000 | . 000 | 000 | . 000 | 000 | . 000 | . 000 | . 000 | . 000 | . 000 | 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 |  |
| 80 | 029 | 2950 | . 000 | 000 | . 020 | 160 | . 200 | 240 | 20 | 40 | 20 | .000 | 00 | .000 | .00 | . 000 | . 000 | . 000 | . 000 | 000 | .000 | . 000 | 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 |  |
| 85 | 29 | 2957 | 000 | 000 | . 000 | 018 | . 088 | . 158 | . 456 | . 105 | . 175 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 |  |
| 90 | 029 | 32 | .000 | 000 | . 000 | 31 | . 063 | 094 | . 250 | 281 | . 219 | . 63 | . 000 | 000 | . 000 | . 000 | . 000 | . 000 | . 000 | 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | 000 | . 000 | . 000 | . 000 |  |
| 95 |  | 16 | . 000 | .000 | 00 | .000 | 00 | 00 | 25 | 438 | . 250 | 88 | .000 | . 000 | .000 | . 000 | . 000 | . 000 | . 000 | 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 |  |
| 100 | 029 | 2915 | .000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 133 | . 733 | . 067 | . 067 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 |  |
| 200 | 29 | 2911 | . 000 | 000 | . 000 | .000 | . 000 | 000 | . 091 | 182 | . 182. | . 182 | . 182 | . 000 | . 0 | . 000 | . 0 | 0 | , | . 000 | . | . 000 | . 000 | 0 | - | 000 | . 000 | . 000 | - | 0 |  |  |
| cag |  | Unk | 911 | 30 | 5560 | 605 | 70 | 80 | 8590 | - 95 | 200 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30 | 29 | 29 | 000 | . 000 | . 000 | . 000 | 000 | . 000 | . 000 | . 000 | . 000 | 00 | 00 | 000 | . 000 | . 00 | . 0 | . 000 | 00 | . 000 | 000 | 00 | . 000 | . 00 | . 000 | . 000 | . 000 | 000 | 00 | . 000 | 000 |  |
| 55 | 29 | 2921 | .00 | . 048 | . 571 | . 381 | D00 | . | . 000 | . 000 | . 000 | 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 |  |
| 60 | 029 | 2918 | . 000 | . 000 | . 167 | . 444 | 89 | 00 | 000 | 000 | 000 | 000 | . 000 | . 000 | 000 | . 000 | . 000 | . 000 | . 000 | 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 |  |
| 65 | 029 | 2917 | . 000 | 000 | 59 | 12 | . 529 | 000 | . 000 | 000 | . 000 | .000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 |  |
| 70 | 029 | 2925 | . 000 | . 000 | . 080 | 280 | . 600 | . 000 | . 040 | 000 | . 000 | 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 |  |
| 75 | 29 | 292 | . 000 | . 000 | . 000 | 136 | . 636 | 136 | . 091 | 000 | 000 | .000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 |  |
| 80 | 29 | 2913 | . 000 | . 000 | . 000 | 308 | . 615 | . 077 | . 000 | . 000 | . 000 | 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 |  |
| 85 | 029 | 2911 | . 000 | . 000 | . 000 | 000 | . 273 | . 273 | . 273 | . 182 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 |  |
| 90 | 029 | 2920 | . 000 | . 000 | . 000 | 000 | . 150 | 300 | . 250 | 200 | . 100 | 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 |  |
| 95 | 029 | 29 | . 000 | .00 | . 000 | 000 | . 000 | 000 | . 250 | . 375 | . 375 | 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 |  |
| 200 | 029 | 2914 | . 000 | 000 | . 000 | . 000 | . 000 | 000 | . 071 | . 143 | . 143 | . 071 | . 071 | . 000 | . 000 | . 071 | . 143 | . 071 | . 071 | . 071 | . 000 | . 000 | . 071 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 |  |
| Gag1 | 994 | Unk a | 52914 | 30 | 5560 | 6065 | 7075 | 80 | 8590 | - 95 | 100110 | 115 | 200 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30 | 029 | 29 | 1.000 | .000 | . 000 | 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 |  |
| 55 | 029 | 2927 | . 000 | . 111 | . 333 | 148 | . 296 | . 111 | .000 | 000 | . 000 | . 000 | . 000 | 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 |  |
| 60 | 29 | 2935 | 00 | . 029 | . 229 | 286 | . 343 | . 086 | . 029 | 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 |  |
| 65 | 29 | 2961 | . 000 | . 000 | 066 | 262 | . 311 | 295 | . 066 | .00 | . 000 | .000 | . 000 | -00 | . 000 | 000 | . 000 | 000 | . 000 | 000 | . 000 | 000 | . 000 | . 000 | . 000 | 000 | . 000 | . 000 | . 000 | 000 | . 000 |  |
| 70 | 029 | 2997 | . 000 | .000 | . 021 | 072 | . 268 | 454 | 86 | 000 | .000 | 000 | . 000 | . 000 | . 000 | . 000 | .000 | .000 | .000 | . 000 | .000 | .000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 |  |


|  |  | 967 | 00 |  | . 000 | 15 | . 224 | 37 | . 194 | 15 | 000 |  | . 0 | . 0 | . 0 | . 0 | . 00 | . 00 | 00 | . 00 | 0 | 00 | . 0 | 000 | . 000 | 000 |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 029 | 95 | . 000 | . 000 | . 000. | . 000 | . 077 | 423 | . 308. | . 173 | . 019. | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 |
| 90 | 29 | 20 | 000 | .000 | . 000 | . 000 | . 050 | . 100 | . 150 | . 450 | . 150 | . 100 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 |
| 95 | 029 | 20 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 100 | 450 | . 250 | . 150 | . 050 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 00 | . 000 | . 000 |
| 100 | 029 | 920 | . 000 | . 000 | . 000 | 000 | . 000 | 000 | . 100 | 050 | . 40 | 300 | . 150 | . 000 | . 00 | . 000 | . 000 | . 00 | . 000 | . 000 | . 000 | . 00 | . 00 | . 00 | . 0 | . 000 | . 000 | . 000 | . 00 | . 0 | . 00 | . 00 |
| 110 | 029 | 916 | . 000 | 000 | . 000 | 000 | 00 | . 000 | 0 | 000 | . 125. | . 313 | . 188 | . 0 | . 188 | . 063 | . 00 | . 00 | . 06 | . 000 | . 000 | . 00 | . 000 | . 000 | . 000 | . 00 | . 00 | . 00 | . 000 | . 00 | . 00 | . 000 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 200 | 029 | 98 | 000 | 000 | . 00 | 00 | . 000 | 00 | . 000 | 000 | . 000 | 000 | . 125 | 000 | . 250 | . 125 | . 250 | . 000 | . 000 | 125 | . 000 | . 000 | . 000 | . 000 | . 000 | . 125 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 |
| Gag1994 Unk A 10610 |  |  |  | 30 | 55 | 65 | 70 | 80 | 85 | 200 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30 | 碞 | 9 | .00 | . 000 | . 000 | 00 | . 000 | 00 | . 000 | 000 | . 000 |  |  | . 00 | . 000 | 000 | . 000 | 000 | 000 | 000 | 000 | . 00 | . 000 | . 000 | . 000 | 000 | 000 |  | 000 |  | . 000 | 000 |
| 55 | 29 | 9 | . 000 | 000 | . 250. | . 500 | . 250 | 00 | . 000 | .000 | 00 | . 000 | 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 00 | . 000 | . 000 | . 000 | . 000 | . 000 | . 00 | . 000 | . 00 | . 00 | . 00 |
| 60 | 029 | 9 | . 000 | . 000 | 00 | . 556 | . 333 | . 111 | . 000 | - | . 000 | -0 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 |
|  | 029 | 915 | 00 | . 000 | 00 | .000 | . 400 | 600 | . 000 | -0 | 00 | 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 0 | . 0 | . 000 | . 000 | . 00 | . 000 | . 00 | . 000 | . 0 | . 000 | . 00 |
|  | 029 | 11 | . 000 | . 000 | . 091 | 091 | . 182 | 36 | . 000 | -00 | 000 | . 000 | .000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 00 | . 00 | . 000 |
| 75 | 029 | 11 | . 000 | .00 | . 000 | .000 | . 091 | 09 | . 000 | 000 | 00 | . 000 | . 000 | . 000 | . 000 | 000 | . 000 | . 000 | . 000 | . 000 | . 00 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 |
| 80 | 029 | 17 | 00 | 000 | . 000 | .000 | . 000 | 82 | . 000 | . 00 | . 059 | 059 | D00 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 00 | . 00 | . 000 |
| 85 | 029 | 10 | . 000 | . 000 | 00 | . 00 | . 000 | 00 | . 000 | 100 | . 000 | . 000 | D00 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 |
| 95 | 029 | 11 | . 000 | 000 | . 000 | .00 | 00 | 82 | 91 | 73 | 73 | . 182 | 00 | . 000 | . 000 | -00 | D00 | . 000 | . 000 | . 000 | . 000 | . 00 | . 000 | . 000 | . 000 | . 00 | . 00 | . 00 | . 000 | . 000 | . 000 | . 000 |
| 200 | 029 | 14 | . 000 | 000 | . 000 | .000 | 00 | .00 | -00 | 143 | 86 | 000 | 00 | . 214 | . 071 | ${ }^{71}$ | .000 | . 000 | 000 |  | . 000 | 07 | . 07 | . 000 | . 000 | . 00 | -00 | . | . 000 | . 00 | , | 00 |
| Gag1 | 95 Un | Unk | 41 | 30 | 55 | 65 | 7075 | 80 | 8590 | 95 | 105110 | 200 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30 | 29 | 9 | . 000 | .000 | . 000 | 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | 00 | . 000 | 000 | 000 | . 000 | . 000 | . 000 | 0 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 |
| 55 | 029 | 98 | . 000 | 250 | . 125 | . 125 | . 375 | . 125 | . 000 | . 000 | . 000 | 000 | 00 | . 000 | . 0 | . 000 | . 000 | 000 | 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 00 | . 000 | . 000 |
|  | 029 | 9 | . 000 |  | . 111 | 222 | 22 | 33 | . 111 | D00 | . 000 | 000 | . 000 | 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 |
| 65 | 029 | 15 | . 000 | 000 | . 000 | 067 | 333 | 267 | . 333 | 000 | . 000 | 000 | . 000 | 0 | . 000 | 00 | . 000 | 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 |
| 70 | 029 | 30 | 00 | . 00 | 00 | 033 | 00 | 300 | 00 | 067 | 00 | 0 | 00 | 00 | . 000 | - | 00 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 |
| 75 | 029 | 58 | 00 | . 000 | 00 | 017 | 34 | 59 | 03 | 9 | 17 | - | 00 | . 000 | . 000 | . 000 | D00 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 |
|  | 029 | 942 | . 000 | . 000 | . 000 | .000 | . 071 | 43 | . 524 | 262 | 00 | 000 | -00 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 |
| 85 | 029 | 45 | . 000 | . 000 | 00 | . 000 | . 044 | 111 | 11 | 11 | 22 | 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 00 | . 00 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 |
| 90 | 029 | 922 | . 000 | . 000 | 00 | 000 | 00 | 45 | 00 | 273 | 136 | 045 | . 000 | . 000 | . 000 | . 000 | .000 | . 000 | . 0 | . 000 | . 0 | . 00 | . 000 | . 000 | . 000 | . 000 | . 0 | . 0 | . 000 | . 00 | . 000 | . 000 |
| 95 | 029 | 912 | . 000 | . 000 | . 000 | .000 | . 000 | 083 | 67 | .000 | 83 | 000 | . 167 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 |
| 105 | 029 | 20 | . 000 | . 000 | 00 | 000 | 000 | 00 | .00 | 50 | 300 | 000 | . 600 | . 000 | . 0 | 00 | . 000 | . 000 | . 0 | - | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 |
| 110 | 029 | 10 | . 000 | . 000 | 00 | 00 | 00 | 00 | . 000 | 000 | . 000 | 100 | 00 | . 100 | . 000 | . 000 | . 100 | . 000 | . 00 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 00 | . 000 | . 0 | . 000 | . 00 | . 000 | . 000 |
|  |  |  |  | .000 | . 000 | 00 | 00 | 00 | . 000 | .000 | . 000 | 077 | 08 | 00 | . 308 | 77 | 54 | 000 | . 000 | , | . 000 | . 00 |  | . 000 | . 000 | . 00 | , | . | . 000 | . 0 | . 000 | . 00 |
|  |  |  |  | 30 | 5055 | 60 | 6570 | 75 | 8085 | O | 95105 | 200 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Gag1996 Unk A 38813 <br> $30 \quad 0 \quad 29 \quad 0 \quad 1.000$ |  |  |  | . 000 | . 000 | 000 | . 000 | .000 | . 000 | 000 | . 000 | . 000 | . 000 |  | . 000 |  |  |  |  |  |  |  |  | . 000 | . 000 |  |  |  |  |  |  |  |
| 50 | 29 | 932 | 000 | . 000 | . 875 | 063 | . 031 | 031 | . 000 | .000 | . 000 | . 000 | . 000 | 000 | . 000 | -00 | . 000 | 000 | . 000 | 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 |
| 55 | 029 | 67 |  | 015 | 91 | 179 | . 000 | 000 | . 015 | .000 | . 000 | . 00 | . 000 | 000 | . 000 | 000 | . 000 | 000 | . 000 | .000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 |
| 60 | 029 | 947 | 0 | . 00 | 04 | 574 | . 021 | 000 | . 000 | 000 | . 000 | 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 |
| 65 | 029 | 944 | . 000 | . 000 | . 250 | 568 | 91 | 68 | . 023 | .00 | . 000 | 000 | .000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 |
| 70 | 029 | 35 | 00 | 000 | . 086 | 543 | . 229 | 143 | . 000 | .000 | . 000 | 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 |
| 75 | 029 | 26 | 00 | 000 | . 000 | 077 | . 654 | D7 | . 154 | 038 | . 000 | 000 | . 000 | . 000 | . 000 | . 000 | . 000 | 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 00 | . 000 | . 000 |
| 80 | 029 | 929 | 000 | . 000 | . 000 | 000 | . 207 | 414 | 76 | 103 | 00 | 000 | D00 | . 000 | . 000 | . 000 | . 000 | 000 | .000 | . 000 | 000 | . 000 | . 000 | . 000 | . 000 | . 000 | 000 | . 000 | . 000 | . 000 | . 000 | . 000 |
| 85 | 029 | 24 | . 000 | 00 | 00 | . 000 | . 125 | 292 | . 500 | 083 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 |
| 90 | 029 | 928 | . 000 | . 000 | 00 | 000 | . 036 | 07 | . 679 | 79 | . 000 | 000 | . 000 | . 000 | . 000 | . 000 | . 000 | 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 00 | . 000 | . 00 | . 000 | . 00 |
| 95 | 029 | 92 | 000 | . 000 | 00 | -00 | 000 | . 091 | 36 | 227 | . 000 | 000 | .000 | . 000 | . 000 | . 045 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 00 | . 000 | . 000 |
| 105 | 029 | 916 | . 00 | . 000 | . 000 | . 00 | . 000 | 000 | . 500 | . 063 | . 188 | . 125 | . 125 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 |
| 200 | 029 | 918 | 00 | 000 | . 000 | 000 | 000 | 000 | 000 | -00 | 56 | . 056 | . 500 | . 00 | . 111 | . 056 | . 000 | . 167 | - | , | . 000 | 0 | . 000 | . 000 | . 000 | - | . 000 | . 000 | . 000 | . 000 | - |  |
| Gag1998 Unk A 15810 <br> 3002901.000 |  |  |  | 30 | 55 | 65 | 70 | 90 | 100105 | 200 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  | . 000 | . 000 | O | . 000 | . 000 | . 000 | . 000 | 000 | 000 | . 000 | . 000 | . 000 | 000 | . 000 | 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 |
| 55 | 0 | 22 | 00 | 000 | . 182 | 455 | . 273 | 91 | . 000 | 000 | . 000 | 00 | . 000 | . 000 | . 000 | 000 | . 000 | 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 |
| 60 | 29 | 92 | 00 | 000 | . 000 | 185 | . 370 | 07 | . 037 | .000 | . 000 | 000 | . 000 | . 000 | . 000 | . 000 | . 000 | 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 00 | . 000 | . 000 |
| 65 | 29 | 928 | , 00 | .000 | . 00 | 107 | . 143 | 750 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | .000 | . 000 | . 000 | . 000 | . 000 |
|  | 029 | 925 | 000 | . 000 | . 000 | . 040 | . 280 | 680 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 |
| 75 | 29 | 91 | . 000 | . 000 | 00 | 91 | . 091 | 36 | 82 | -00 | 000 | .000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 00 | . 00 | . 000 |
| 90 | 29 | 917 | . 000 | . 000 | . 000. | . 059 | . 000 | 235 | 471 | 176 | 059 | 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 00 | . 000 | . 00 | . 0 | . 000 |
| 100 | 029 | 912 | . 000 | 000 | . 000 | 000 | . 000 | 000 | . 167 | . 333 | . 333 | . 083 | . 083 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 00 | . 000 | . 000 |
| 105 | 29 | 9 | . 000 | . 000 | 00 | 00 | . 000 | 000 | 00 | .000 | . 250 | . 000 | . 125 | . 000 | . 125 | . 125 | . 125 | . 125 | . 000 | . 000 | . 000 | . 125 | . 00 | . 000 | . 000 | . 000 | . 000 | . 00 | . 000 | . 00 | . 00 | . 00 |
| 000 | 29 | 9 | . 000 | . 000 | . 00 | 000 | . 000 | . 000 | . 00 | . 125 | . | 000 | . 250 | . 000 | . 000 | . 250 | . 000 | . 000 | . 250 | . 125 | . 000 | . 00 | . 000 | . 000 | . 000 | . 000 | . 000 | . 00 | . 00 | . 00 | . 000 | . 000 |
| Gag1998 Unk A 13311 |  |  |  | 30 | 55 | 5 |  | 80 | 8590 | 105 | 200 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 3055 | 029 | 9 | . 0001 | 1.000 | . 000 | .000 | . 000 | 000 | . 000 | 000 | . 000 | . 000 | .000 | 000 | . 000 | . 000 | . 000 | 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 00 | . 000 | . 000 |
|  | 029 | 9 | . 000 | 500 | . 333 | . 000 | . 167 | 000 | . 000 | . 000 | . 000 | 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 |
|  | 029 | 9 | . 000 | . 00 | . 250 | 125 | . 500 | 125 | . 000 | .000 | . 000 | .00 | . 000 | . 000 | . 000 | 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 |
| 65 | 029 | 922 | 000 | 000 | . 000 | 227 | . 500 | 273 | . 000 | 000 | . 000 | .00 | . 000 | 000 | . 000 | 000 | . 000 | 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 00 | . 000 |
|  | 029 | 911 | . 000 | .00 | .00 | 91 | 364 | 545 | . 000 | . 000 | . 000 | .00 | .000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 00 | . 000 | . 00 |
|  | 029 | 920 | 00 | . 000 | 00 | 00 | 00 | . 600 | . 000 | . 000 | . 000 | .000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | .000 | . 000 | . 000 | 000 | .000 |
|  | 029 | 916 | . 000 | 000 | . 000 | . 000 | . 250 | 688 | 63 |  | 000 |  | .000 | . 000 | 000 | . 000 | 000 | 000 | 000 | .000 | 000 | 000 | 000 | 000 | 000 | 00 | 00 | 00 | 00 | 00 | . 000 | - |


|  |  | 291 |  |  | . 000 |  |  |  | . 083. |  | . 000. |  | . 000. |  |  |  |  | . 000 |  | . 000 |  |  |  |  |  | . 000 |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 90 | 29 | 2911 | 00 | . 000 | . 000 | 00 | . 91 | 55 | . 091 | . 273 | . 091 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 00 | . 00 | . 000 |
| 105 | 029 | 2911 | . 000 | 000 | . 000 | 000 | 91 | 000 | 91 | 273 | . 455 | 091 | . 000 | 000 | .000 | 000 | . 000 | 000 | . 000 | 000 | . 000 | . 000 | . 000 | . 00 | . 000 | . 000 | . 000 | . 000 | . 000 | . 00 | . 000 | . 000 |
| 200 |  | 29 | . 000 | . 000 | 0 |  | 00 | 000 | . 000. | . 000 | . 000. | 214 | . 21 | . 000 | . 0 | . 071 | . 14 | . 28 | . 000 | . 000 | . 071 | . 00 | . 0 | . 00 | . 00 | . 00 | . 00 | . 00 | . 00 | . 00 | . 00 | . 000 |
| Gag1 | 99 | Unk | A 43017 | 30 | 50 | 60 | 65 | 75 | 80 | 90 | 95100 | 105 | 115120 | 130 | 200 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30 | 29 | 29 | . 000 | 000 | . 000 | 000 | . 000 | 00 | . 000 | .000 | . 000 | . 000 | . 000 | . 000 | . 00 |  | .000 | . 00 | . 00 | .000 | . 00 | . 00 |  |  | 000 | . 0 | . 00 | . 00 | . 00 |  |  |  |
|  | 029 | 2913 | . 000 | . 000 | . 077 | 923 | . 000 | .000 | . 000 | 000 | . 000 | 000 | 000 | 000 | . 00 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 |
|  | 029 | 2929 | . 000 | . 000 | . | 828 | . 103 | 000 | 00 | 00 | 00 | .00 | 00 | .000 | . 000 | . 00 | . 000 | . 000 | . 000 | . 000 | . 000 | . 00 | . 00 | . 00 | . 000 | . 000 | . 000 | . 00 | . 000 | . 00 | . 00 | . 000 |
|  | 029 | - 2913 | . 000 | . 00 | . | 462 | . 308 | 77 | . 077 | 000 | . 000 | 000 | . 000. | .000 | . 000 | . 00 | . 000 | . 000 | .000 | 00 | 00 | . 00 | . 00 | . 00 | . 000 | . 000 | . 000 | . 00 | . 000 | . 00 | . 00 | . 000 |
|  | 02 |  |  |  |  |  |  | 40 | . 040 | D00 | . 000 | .000 | 000 | 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 00 | . 00 | . 0 | . | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 |
|  | 029 | 2935 | . 000 | . 000 | . | 057 | . 343 | 314 | . 286 | .000 | 00 | 000 | 00 | 000 | . 000 | . 00 | . 000 | . 000 | 000 | .000 | 00 | . 00 | . 00 | . 00 | . 000 | . 000 | 000 | . 000 | . 000 | . 00 | . 00 | . 00 |
|  | 029 | 2950 | . 000 | .000 | . | . 020 | . 120 | 00 | . 460 | 000 | 000 | .000 | 00 | 000 | . 000 | . 000 | . 000 | . 000 | . 00 | . 000 | . 000 | . 000 | . 00 | . 00 | . 000 | . 000 | . 000 | . 000 | . 000 | . 00 | . 00 | . 000 |
|  |  |  |  |  |  |  |  |  | . 407 | . 56 | . 000 | .000 | 000 | 000 | . 000 | . 000 | . 00 | 000 | . 000 | 000 | . 00 | . 00 | . 00 | . 0 | . 0 | . 0 | . 000 | . 00 | . 000 | . 000 | . 000 | . 000 |
|  | 029 | 2950 | . 000 | . 000 | . | 020 | 40 | 240 | . 520 | 20 | . 040 | 000 | 20 | 000 | . 000 | . 00 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 00 | . 00 | . 000 | . 000 | . 000 | . 000 | . 000 | . 00 | . 00 | . 000 |
| 90 | 029 | 294 | . 000 | . 00 | . | 00 | . 045 | 227 | 23 | . 045 | 91 | 045 | 00 | 000 | . 000 | . 000 | . 000 | . 000 | . 00 | . | . 000 | . 000 | . 00 | . 00 | . 023 | . 00 | . 000 | . 000 | . 000 | . 00 | . 00 | . 000 |
|  |  |  |  |  |  |  |  |  | . 296 |  | . 074 |  | 3 | .000 |  | . 000 | . 000 | 000 | 000 | 00 | 00 | . 00 | . 0 | . 00 | . 0 | . 000 | 000 | 00 | . 00 | . 00 | . 000 | . 000 |
| 100 | 029 | 2928 | 00 | . 000 | . 000 | . 000 | . 000 | 71 | 43 | 321 | 86 | 71 | 71 | 036 | . 000 | . 00 | . 00 | . 000 | . 000 | . 000 | . 000 | . 00 | . 0 | . 00 | . 000 | . 000 | . 000 | . 00 | . 000 | . 00 | . 00 | . 000 |
| 105 | 029 | 2921 | . 000 | .000 | . | .000 | . 000 | 48 | 48 | . 000 | 38 | 238 | 143. | 143 | . 048 | . 048 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 00 | . 0 | . 04 | . 0 | . 000 | . 000 | - | . 0 | . 000 | . 000 |
|  |  |  |  |  |  |  | . 000 |  | 00 |  |  | 67 | 83 | 167 | . |  | . 042 | 042 | . 000 | . 04 | . 00 |  |  | . 00 | . 000 | . 00 | . 000 | . 00 | . 00 | . 000 | . 000 | . 000 |
|  | 29 | 29 | . 000 | . 000 | . 000 | .000 | . 000 | 000 | 00 | 00 | 00 | 43 | 00 | 143 | . 14 | . 143 | 286 | . 00 | . 000 | . 000 | . 000 | . 00 | . 1 | . 00 | . 000 | . 000 | 000 | . 00 | . 000 | . 00 | . 00 | . 000 |
| 130 | 029 | 10 | . 000 | .000 | . | .000 | . 000 | .00 | . 000 | .000 | 00 | 100 | .000 | 000 | . 000 | . 200 | . 000 | . 0 | . 100 | . 100 | . 000 | . 100 | . 000 | . 000 | . 000 | . 10 | . 000 | . 000 | . 100 | . 00 | . 200 | 000 |
|  | 029 | 290 |  |  | . 000 |  | . 000 | ,000 | . 000 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 9 |  |  |  |  | 5055 |  |  | 80 | 8595 | 200 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30 |  | 29 | . 000 | . 000 | . 000 | . 000 | . 00 | . 000 | 000 | . 000 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | . 000 |  |  |  |  |
| 50 | 029 | 296 | . 000 | . 000 | . 333 | 667 | 00 | 000 | 000 | 000 | . 000 | 000 | .000. | 000 | . 000 | . 000 | . 000 | 000 | . 000 | 000 | 000 | . 00 | . 000 | . 00 | . 000 | . 000 | . 000 | . 000 | 00 | . 00 | . 00 | . 000 |
|  | 029 | 2914 | . 000 | . 000 | . 143 | 857 | . 000 | 000 | 00 | 000 | . 000 | 000 | .000. | 000 | . 000 | . 000 | . 000 | 000 | . 000 | 000 | 000 | . 000 | . 000 | . 000 | . 000 | . 000 | 000 | 000 | . 000 | . 00 | . 000 | . 000 |
|  | 029 | 29 | . 000 | . 00 | . | 556 | . 000 | 11 | 00 | .000 | 00 | .000 | 00 | 000 | . 000 | . 000 | . 000 | . 000 | . 0 | . 000 | . 0 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 |
|  |  | 297 | . 000 | . 000 | . | 714 | . 143 | 143 | 00 | .000 | . 000 | 000 | . 000 | 000 | . 000 | . 000 | . 000 | . 00 | . 0 | . 000 | - | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 |
|  | 029 | 2910 | . 000 | . 00 | . | 400 | . 200 | 00 | 00 | .000 | . 000 | 000 | . 000 . | 000 | . 00 | . 000 | . 000 | 000 | . 000 | 00 | . 000 | . 00 | . 00 | . 00 | . 00 | . 0 | . 000 | . 000 | . 000 | . 00 | . 000 | . 000 |
|  | 029 | 296 | . 000 | . 000 | . | 000 | 67 | 33 | 500 | .00 | 00 | 000 | . 000. | 000 | . 000 | . 000 | . 000 | . 000 | . 0 | . 000 | . 0 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 |
|  |  | 297 | . 000 | . 00 | . |  | . 143 |  | 29 | 143 | . 000 | 00 | 00 |  |  |  | . 000 | . 000 | . 0 | . 000 | . 000 | . 000 | - | . 000 |  | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 |
|  |  | 2915 |  |  |  | . 00 | . 067 | 267 | . 533 | 000 | . 000 | 133 | 000 | 000 | . 000 | . 000 | . 000 | 000 | . 000 | 000 | 000 | . 000 | . 00 | . 00 | . 0 | . 0 | . 000 | . 000 | . 000 | . 00 | . 00 | . 000 |
| Gagzouo Unk A 978 |  |  |  | 000 | . 000 | . 000 | . 000 | 000 | . 000 | 333 | . 167 |  | 83 | 000 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  | 30 | 5570 |  | 80 |  | 200 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  | . 000 | . 000 | . 000 | . 000 | 000 | . 000 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | 029 | 2912 | . 000 | . 00 | . | 000 | . 167 | 00 | . 000 | 00 | D00 | .000 | .000 . | 000 | . 00 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 00 | . 00 | . 000 | . 000 | . 000 | . 00 | . 000 | . 00 | . 000 | . 000 |
|  | 029 | 29 27 | . 000 | .000 | . 148 | , | . 630 | 74 | . 037 | 000 | 000 | .000 | 00 | 000 | . 00 | . 000 | . 000 | 000 | . 00 | 00 | . 00 | . 00 | . 00 | . 00 | . 000 | . 000 | . 000 | . 00 | . 000 | . 00 | . 000 | . 000 |
|  |  | 29 12 |  |  | . | . 00 | 250 | 33 | . 333 | . 83 | 000 | 00 | 00 | . 000 | . 00 | . 00 | . 000 | 000 | . 000 | . 00 | . 000 | . 00 | . | . 00 | . 00 | . 000 | . 000 | . 00 | . 000 |  |  | . 000 |
|  | 029 | 2919 | . 000 |  | . | .000 | . 000 |  | 68 | 16 | 053 | 00 | .00 | . 053 | . 00 | 000 | . 000 | .00 | . 000 | . 00 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 00 | . 000 | . 00 | . 000 | . 000 |
| 85 | 029 | 2911 | . 000 | .000 | . 000 | .000 | 00 | .00 | 73 | 27 | 00 | .00 | 00 | 000 | . 000 | . 000 | . 000 | .000 | . 000 | 000 | . 000 | 00 | . 00 | . 00 | . 000 | . 00 | . 000 | . 00 | . 000 | . 00 | . 00 | . 000 |
| 9 |  | 29 |  | 000 | . 000 | .000 |  | 143 | . 000 | 857 | . 000 | .000 | . 000 | 000 |  | . 0 |  | 000 | . 00 | 00 | . 00 | . |  | . 00 | . 000 | . 000 | . 000 | . 00 | . 00 | . |  | . |
| Gag2000 Unk A 54016 |  |  |  | 000 | . 000 | 000 | 000 | 000 | . 000 | 111 | . 111 | . 111 | . 000 | 000 | . 111 | . 11 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  | 30 | 5560 |  | $70 \quad 75$ | 80 | 8590 | , | 100110 | 115 | 120125 | 200 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  | 000 | . 000 | .000 | . 000 | .00 | .000 | 000 | . 000 | 000 | .000 | 000 |  |  | , | , | , | 000 | , | . |  | . 00 | ,000 | , | . 000 | . 000 | , | . 00 |  | . 000 |
| $\begin{aligned} & 30 \\ & 35 \\ & 65 \\ & 60 \end{aligned}$ | 029 | 29 | . 000 |  | . 333 | 22 | . 333 | 000 | . 000 | .000 | . 000 | . 000 | .000 | . 000 | . | . 000 | . 000 | 000 | . 00 | . 000 | . | . 000 | . 000 | . 000 | . 000 | . 00 | . 00 | . | . 000 | . | . | . 000 |
|  | 029 | 29 | . 000 | 000 | . 095 | 571 | . 333 | 000 | . 000 | .000 | . 000 | 000 | . 000 | 000 | 000 | 000 | . 000 | 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 00 | . 000 | . 000 |
|  | 0 | 2961 | . 000 | .000 | . | 13 | . 721 | 00 | 00 | 00 | 00 | .00 | 00 | .000 | . 000 | 000 | . 000 | 000 | 000 | 000 | . 000 | . 00 | . 00 | . 00 | . 000 | . 000 | . 000 | . 00 | . 000 | . 00 | . 00 | . 000 |
| 65 | 29 | -29 | , | , |  |  | . 96 | 12 | . 012 | , | . 000 | , | .000 | O | . | . | . 000 | 000 | . | . | . 00 | . 000 | . 000 | . 000 | . 000 | . 000 | . 00 | . | . 000 | . | . | . 000 |
| $\begin{aligned} & 75 \\ & 80 \end{aligned}$ | 029 | 29 | . 000 | 000 | . 000 | 030 | . 646 | 192 | 121 | 010 | . 000 | . 000 | .000 | 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 00 | . 00 | . 000 | . 000 | . 000 | . 000 | . 000 | . 00 | . 00 | . 000 |
|  | 0 | 2990 | . 000 | 000 | . | 011 | . 36 | 211 | . 278 | 100 | . 022 | 000 | 00 | . 000 | . 000 | 00 | . 00 | . 000 | . 00 | . 00 | . 000 | . 000 | . 00 | . 00 | . 000 | . 00 | . 000 | . 00 | . 000 | . 00 | . 00 | . 000 |
| 85 | 29 | 29 | . 000 | 000 | 00 | .000 | 56 | 56 | 56 | 11 | 22 | 000 | .00 | 000 | . 000 | . 00 | . 000 | 00 | . 00 | . 000 | . 000 | . 00 | . 00 | . 00 | . 00 | . 00 | . 00 | . 00 | . 00 | . 00 | . 00 | . 00 |
|  | 029 | 2942 | . 000 | .000 | . 000 | .000 | . 071 | 43 | . 262 | 176 | . 048 | 000 | . 000 | 000 | . 00 | . | . 000 | . 000 | . 000 | . 00 | . 000 | . 000 | . 000 | . 00 | . 000 | . 000 | . 000 | . 00 | . 00 | . 00 | . 00 | . 00 |
| 95100 | 029 | 2923 | . 000 | 00 | . 000 | 000 | . 087 | 87 | 174 | 304 | . 304 | 043 | .000 | 000 | . 000 | 000 | . 000 | . 00 | . 00 | . | . 000 | . 000 | . 00 | . 00 | . 00 | . | . | . 00 | . 000 | . 00 | . 00 | . 000 |
|  | 29 | 291 | . 000 | 00 | . 000 | 000 | . 000 | .83 | 00 | 67 | 500 | 83 | 000 | . 083 | . 083 | 00 | . 000 | 000 | . 000 | 00 | . 000 | . 00 | . 00 | . 00 | . 000 | . 00 | . 000 | . 00 | . 00 | . 00 | . 00 | . 000 |
| 110115 | 029 | 29 | 000 | .000 | . 000 | .000 | . 000 |  | . 000 | 231 | . 077 | 154 | . 231 | ${ }^{231}$ | . | 000 | . 000 | 000 | . 000 | 00 | . 000 | . 000 | . 00 | . 000 | . 000 | . 000 | . 000 | . 00 | . 000 | . 00 | . 00 | . 000 |
|  | 029 | 29 | . 000 |  | . 000 | 000 | .000 | .00 | .000 | 111 | . 222. | . 111 |  | . 111 | , | . 111 | . | . 000 | . | . 000 | . | . 000 | . | . 000 | . | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | 00 |
| 120125 | 029 | 2911 | . 000 | 000 | . 000 | 000 | . 000 | .000 | . 000 | . 000 | 00 | 091 | .82 | 000 | . 091 | 000 | . 09 | 273 | . 091 | 000 | . 091 | . 000 | . 000 | . 091 | . 000 | . 000 | . 000 | . 000 | 00 | . 000 | 00 | . 000 |
|  | 125 0 <br> 200 0 |  | 2910 | . 00 | . 000 | . 000 | . 000 | , 00 | .000 | .000 | .000 | . 000 | , | 100 | . 00 |  | . 00 | . 100 | . 00 | , | 200 |  | 10 | .000 | .000 | 100 | 100 | 100 | . 00 | . 00 | . 100 | . 100 | .000 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |


[^0]:    $\begin{array}{lllllllllllll}.0 & 14.1 & 11.7 & 10.5 & 12.7 & 6.7 & 8.6 & 7.6 & 6.6 & 2 .\end{array}$

[^1]:    $\begin{array}{ll}0 & 0 \\ 0 & 0\end{array}$ 0 $\begin{array}{ll}0 & 0 \\ 0 & 0\end{array}$ $0 \quad 0$ $\begin{array}{ll}0 & 0 \\ 0 & 0\end{array}$

