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PROMPT GAMMA RAY SPECTRA FROM PRODUCTS FORMED IN THE SPONTANEOUS FISSION OF ^{252}Cf

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November 30, 1971

ABSTRACT

We present information on how to obtain and use a magnetic tape on which is recorded gamma ray spectral information in coincidence with the prompt fission of ^{252}Cf. This data is supplied so that interested users may have access to a large number and variety of gamma ray spectra sorted according to fragment mass intervals. The information was recorded in three and four parameter experiments in which two fragment kinetic energies were measured in coincidence with gamma rays and K x-rays.

I. INTRODUCTION

We have performed three and four parameter coincidence measurements on the gamma ray and K x-ray emission of prompt products (0 - 100 nsec) formed in the spontaneous fission of ^{252}Cf (see Fig. 1). These data have been analyzed to determine ground state bands in even-even fission products,[1-3] as well as information on the mass and charge distribution in fission[4] and on the primary fragment angular momentum.[5] We are currently in the process of assigning transitions to specific odd A and odd-odd nuclei. In the course of these experiments we have recorded $\sim 2 \times 10^8$ multiparameter coincidence events. It is therefore impossible to publish in detail all the experimental information. We therefore propose to make available, on request, the experimental data (on magnetic tape) to any individuals who would find it useful.

The purpose of this report is to present a compilation of data necessary for utilizing the experimental information present on the magnetic tape. The tape contains gamma ray spectra for selected mass intervals (in one case also Z intervals). The masses are calculated from the measured kinetic energies of the fragments and are based on the predetermined mass dependent neutron emission distributions.[6] The mass calculational procedure is outlined below in Section II. Section III contains the general description of the tape which we will provide. The tape will be sent to the requester so that he will be able to make a copy for himself and return the original to us.

II. Mass Calculation

Multiparameter events of the form (F_1, F_2, γ_1, γ_2, M) were recorded in chronological order on magnetic tapes. F_1, F_2 refer to fission fragment pulse heights of the two coincident fission fragments. γ_1 and γ_2 refer to pulse heights from two photon detectors. M designates a marker dimension which contained a classification of the event type. For a typical three parameter experiment (i.e. with only one photon detector) each magnetic tape contained approximately 10^6 events of the type F_1 F_2 γ (γ being γ_1 or γ_2) and 10^5 binary fission coincidences, without a photon (i.e. F_1 F_2). The binary fission events were taken by recording one out of every fifty or a hundred binary events throughout the experiment. Each dimension was analyzed in a 4096 channel ADC. The binary fission events were also used for stabilization of the gain by maintaining the center position of the light fragment peak at a fixed channel (1664). Upon the completion of the experiment the binary events were used for calibration, by finding the first moments between the 3/4 points of the two fission peaks. These are defined here as P_L and P_H for the light and heavy fragments respectively.

Sorting of the $F_1F_2\gamma$ events to obtain gamma ray spectra as a function of mass interval was performed by generating a mass table for all pulse height combinations of the fission fragments. The table was based on the fission fragment energy calibration described previously and was constructed for each data tape in the manner similar to that described by Watson.[7]

The mass table was constructed as a 100 x 100 matrix. In each fission dimension the 8 most significant bits (256 channels) out of a total of 12 bits were considered for the table. By restricting the fragment spectrum to 8 bits (256 channels) the centroid of the light fission peak (P_L) was maintained, by digital stabilization, in channel 104. The value of P_H was usually at channel

75. The 10,000 positions in the table were obtained from the matrix of channels 31 to 130 for both F_1 and F_2. This range included more than 98% of all the fission events. The mass in each location of the table was calculated by first obtaining a rough energy calibration:

$$E = a \cdot x + b \tag{1}$$

x is the channel number and a and b are constants

$$a = 24.40/(P_L - P_H)$$

$$b = 103.77 - a \cdot P_L$$

Conservation of momentum leads to:

$$M_{1p} = \frac{252}{(1+E_{1p}/E_{2p})} \tag{2}$$

$$M_{2p} = 252 - M_{1p}$$

M_i and E_i denote mass in a.m.u. and energy in MeV of the i-th fragment. The subscript p denotes pre-neutron emission quantities. At the first stage E_{1p} and E_{2p} were approximated by E_1 and E_2 (post neutron emission energies) in equation 2 and M_{1p} was derived. Also the total kinetic energy E_T was approximated by

$$E_T = E_{1p} + E_{2p} \cong E_1 + E_2. \tag{3}$$

The values of M_{1p} and M_{2p} were then corrected for the average number of emitted neutrons ($\bar{\nu}$) by using the tabulated experimental results of $\bar{\nu}(M,E_T)$ of Bowman et al.[6] The original table was stored in the memory of the computer and the specific values of $\bar{\nu}(M,E_T)$ were found by linear interpolation within the table.

The neutron correction takes the form

$$M_1 = M_{1p} - \bar{\nu}_1(M_{1p}, E_T); \; M_2 = M_{2p} - \bar{\nu}_2(M_{2p},E_T) \tag{4}$$

Using the final masses M_1 and M_2 the Schmitt mass dependent energy calibration[8] was evaluated.

$$E_i = (24.0203 + 0.03574\ M_i)\ \frac{x}{P_L - P_H} \qquad (5)$$

$$- (24.0203 + 0.03574\ M_i)\ \frac{P_L}{P_L - P_H}$$

$$+ -.1370\ M_i + 89.6083$$

The values of E_{ip} were then calculated

$$E_{ip} = E_i(1 + \nu_i/M_i) \qquad (6)$$

The new values of E_{1p} and E_{2p} were entered into equation (2) for continuation of the iterative process. This was repeated until the mass values resulting from two consecutive iterations differed by less than 0.05%. In a few rare instances no convergence was achieved due to fluctuations within the neutron correction tables. In such cases the calculation was stopped after the 20th iteration.

The mass table was generated from the calibration points P_L and P_H before the analysis of each magnetic tape of data. With the table in the memory the events of the type F_1, F_2, γ were read from the tape. Each of the values of F_1 and F_2 which consisted of 12 bits was separated into two numbers. The 8 most significant bits formed the numbers X_1' and X_2' and the 4 least significant bits formed the numbers R_1 and R_2. To use the mass table we define $X_1 = X_1' - 30$; $X_2 = X_2' - 30$. The mass value corresponding to channels F_1, F_2 were then inferred by interpolation from the 100 x 100 mass table

$$M(F_1, F_2) = M(X_1, X_2) + R_1[M(X_1 + 1, X_2) - M(X_1, X_2)]\ \frac{1}{16} \qquad (7)$$

$$+ R_2\ [M(X_1, X_2 + 1) - M(X_1, X_2)]\ \frac{1}{16}$$

After finding the mass of each event the gamma ray was placed in the gamma ray spectrum corresponding to the appropriate mass interval.

The analysis of the events in the sorting program was done in integer mode to save time. The mass table was prepared in units of a.m.u. x 256 and all the division operations were done by shifting bits. In this way one magnetic tape containing about 10^6 (F_1, F_2,γ)events was sorted into 38 gamma ray spectra corresponding to 38 mass intervals. This required a time of about 5 minutes in the CDC 6600 computer.

The mass resolution of the experiment was inferred directly from the appearance of a specific gamma ray line in several adjacent mass intervals. In this experiment it was 4-7 a.m.u. (FWHM) and depended on the mass of the specific fragment. An example of the mass dispersion for a single isotope is shown in Fig. 2.

It should be emphasized that the mass calculations are only approximate. This is because the neutron corrections which are applied to the data are determined from measurements of average values. When applying these average corrections to specific nuclei it is possible to introduce errors as large as 1 - 1.5 a.m.u. Though the absolute value of the mass so determined may be wrong,the general trends of the mass distribution will be correct (i.e. lighter isotopes will appear with mass centroids having lower values than heavy isotopes). The only accurate way of determining the true mass is by establishing the systematics of the distributions. In practice this means using our established transitions in even-even nuclei as reference points where the true mass values are known. It is then possible by interpolation to establish the true mass associated with other transitions.

III. General Tape Description

The tape contains 6 files of gamma ray data followed by an extra end of file mark. The 6 files are then repeated and an additional end of file mark follows the last gamma ray spectrum. The tape contains binary data which is written in an odd parity mode at a density of 800 bits per inch. Table 1 presents the general file structure of the tape. Table 2 presents the general format for the spectra and also the identification written in the first word of each spectrum. Table 3 contains a complete Scelm of the tape and Table 4 is an octal dump of the first spectrum in file 1.

To utilize the presented spectra it is necessary to know the energy and efficiency calibrations for each detector. These are given below along with relevant data of each experiment.

HR Experiment (files 1,8)

The HR experiment was a three parameter measurement of gamma rays in coincidence with fission fragment kinetic energies. The gamma ray detector was a 1 cm^3 Ge(Li) detector with resolution of 1 keV at 122 keV. The detector was located in position γ_2 (see Fig. 1). An example of the gamma ray spectra recorded in this experiment is shown in Fig. 3. Table 5 presents the energy and efficiency calibration data for the HR experiment. To find the energy of any channel a linear interpolation between values presented in the table will give adequate results (± .1 keV). To determine the yield of any gamma ray it is necessary to divide the number of counts in the photopeak by an interpolated number extracted from the table. (Since the photopeak efficiency of the detector is essentially a decreasing exponential function of energy it is probably best to use a logarithmic interpolation procedure). The divided number then represents the yield of the gamma ray in %/fission. In our analysis of photopeak

yields we have used a computer code called SAMPO written by Routti and Prussin.[9] Within the accuracy of the efficiency determination (~± 15%) the results are probably independent of the particular method used to analyze the photopeak intensities but there will likely be slight variations in determined yields dependent on the method chosen for analysis.

As an example of the use of Table 5 suppose that a photopeak has its centroid at channel 2407.83 and has area above the background of 7970 counts. The energy of this gamma ray transition is

$$E = \left(\frac{2407.83 - 2338.63}{2498.04 - 2338.63}\right) (249.73 \text{ keV} - 233.89 \text{ keV}) + 233.89 \text{ keV}$$

$$E = 240.77 \text{ keV}$$

The number of counts necessary for a 1%/fission yield at 240.77 keV is:

$$N_{1\%} = \exp\left[\left(\frac{240.77 - 234.}{242. - 234.}\right) * \left(\ln \frac{6900}{7500}\right) + \ln (7500)\right]$$

$$N_{1\%} = 6989.$$

Therefore the yield of the measured gamma ray is:

$$Y = \frac{7970}{6989} = 1.14\%/\text{fission}.$$

G6 Experiment (files 2,9)

Two three parameter measurements were recorded in the same experiment. These are the data labeled 'G6' and 'Coax'. In the G6 experiment a 6 cm^3 Ge(Li) gamma ray detector was located in position γ_1. Table 6 presents the energy and efficiency calibration data for the G6 experiment. The efficiency calibration is for gamma rays emitted from fragments stopped in detector F_1. Transitions occurring in fragments flying toward detector F_2 are Doppler shifted and broadened (due to the fairly large solid angle for fragment detection) and

are usually not resolvable into discrete lines. However, transitions occurring in fragments which have stopped in detector F_2 (these are transitions which occur at times greater than ~0.8 ns after fission) are non-Doppler shifted and appear as sharp gamma ray lines. The mass interval labelling the spectrum is based on fragments stopping in detector F_1 and therefore transitions from fragments stopped in detector F_2 are associated with the complementary masses. Deciding if a transition is from the mass interval on which the sort was performed or from a complementary mass can easily be resolved by observing the same transition in the HR, or Coax experiments. In these experiments the gamma ray detector was located behind fragment detector F_1. Therefore, from geometry considerations, gamma ray fragments stopped in detector F_1 will always be observed with more intensity than those stopped in F_2 even if the transition lifetime is long compared with the transit time between the two detectors. This removes the ambiguity of the analysis and insures that the transition is assigned to the correct mass interval.

GX Experiment (files 3,10)

The data recorded in the GX experiment represents the gamma ray portion of three and four parameter measurements in which gamma rays and K x-rays were recorded. The gamma ray detector had a 6 cm^3 volume and was located in position γ_1. Table 7 presents the energy and efficiency calibration data for the experiment. As in the G6 experiment the efficiency calibration is for fragments stopped in detector F_1.

COAX Experiment (files 4,11)

The data presented in the COAX file were recorded in the same experiment as the 'G6' data. The COAX data were taken with a 35 cm^3 coaxially drifted Ge(Li)

detector located in position γ_2. Table 8 presents the energy and photopeak efficiency calibration for transitions from fragments stopped in detector F_1.

HRF2 Experiment (files 5, 12)

This experiment is the same data that is presented in the HR experiment but in this case the data has been sorted into mass intervals relative to the fragment stopping in fragment detector F_2. This means, for example, in the first spectrum of this file the mass interval 87-89 is relative to fragments within this mass interval stopping in detector F_2. The sorting is performed in this manner so that transition lifetime information can be extracted from the γ-ray intensity measurements. By observing, over the same mass intervals, the intensity of a specific gamma ray in the HR and HRF2 experiments and knowing the velocity of the fragment and the geometry of the detectors it is possible to estimate the transition life time from a two point decay curve. Since the fragment detectors are separated by ~ 8 mm and fission fragments have velocities of ~ 1 cm/ns it is possible to obtain transition lifetime information over a region of about 0.2-2. nsec. Transition lifetimes which we have extracted utilizing this technique are presented in Ref. 1-3.

The energy calibration for the HRF2 data is the same as the HR energy calibration presented in Table 5. There is no efficiency calibration data available since the observed yield of the gamma ray is dependent on the transition lifetime

Z Experiment (files 6, 13)

This experiment presents gamma ray data obtained in a four parameter experiment in which two fragment energies were recorded in coincidence with gamma rays and K x-rays. The fragment energies were used in the standard way to

identify fragment masses. The K x-rays were used for identifying the atomic numbers of the fragments. The gamma ray data were recorded using the detector in the GX experiment. The energy calibration is the same as presented in Table 7.

In this file there are 27 spectra. Each spectrum is labeled with an atomic number. These atomic numbers were established by placing windows on the appropriate interval containing the Kα x-rays of each element. The energy resolution of the Si(Li) detector used for the K-x-ray measurements was ~ 0.7 keV at 14 keV. The resolution was this poor because, for the sake of detection efficiency, a large surface area detector was used (2 cm^2). Even at this resolution it is possible to separate the x-rays of adjacent elements reasonably well. Each spectrum in this file has, in addition to a window on the K-x-ray energy interval, an additional window on a mass interval. The mass interval window was chosen to be 12 a.m.u. wide and centered on the most probable mass (A_p) for each value of Z.[4] The atomic number of the fragment with which the transition is associated can be extracted from these data but the mass of the transition should be obtained from one of the sets of three dimensional data presented above.

It should be remembered that there are two fragments associated with each fission and it is therefore possible to have x-rays in coincidence with γ-rays from complementary fragments. It is easy to resolve this ambiguity by observing whether the transition is predominately seen with a light or heavy fragment mass in one of the three parameter experiments.

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Table 1. File indentification.

File	Experimental Designation	Detector	Position (Fig.1)	Resolution	Usuable Energy Range of Data (keV)	Number of Spectra
1	HR	1 cm^3 Ge(Li)	γ_2	~1 keV at 122keV	40-400	41
2	G6	6 cm^3 Ge(Li)	γ_1	1.6 keV at 279keV	60-1400	41
3	GX	6 cm^3 Ge(Li)	γ_1	1.6 keV at 279keV	60-1400	41
4	COAX	35 cm^3 Ge(Li)	γ_2	2.5 keV at 279keV	150-1900	41
5	HRF2	1 cm^3 Ge(Li)	γ_2	~1 keV at 122keV	40-400	41
6	X	6 cm^3 Ge(Li)	γ_1	1.6 keV at 279keV	60-1400	27
7	(Blank)					
8-13	repeat of files 1-6 respectively.					
14	(Blank)					

Table 2. General tape information.

Format of each spectrum

Number of 60 bit words	- 4112 (eight 512 word records and one 16 word record)
1st Word	- Spectrum identification (see below)
2nd Word	- Contains the number 4.
Words 3-4098	- Gamma ray channels 1 - 4096.
Words 4099 - 4112	- Contain the number 0.

Spectra Identification for Files 1 - 5 (8-12).

Spectrum	Identification (1st Word)	Mass interval
1	8700089	87-89
2	8900091	89-91
7	9900101	99-101
8	10100103	101-103
9	10300105	103-105
38	16100163	161-163
39	8700163	87-163 (all mass intervals)
40	8700123	87-123 (light mass intervals)
41	12300163	123-163 (heavy mass intervals)

Spectra Identification for File 6 (13)

Spectrum	Identification (1st Word)	Z	Mass Interval [a]
1	37	37	86 - 98
2	38	38	89 - 101
13	49	49	117 - 129
14	10050	50	122 - 134
15	10051	51	125 - 1137
26	10062	62	152 - 164
27	10063	63	155 - 167

a) The mass interval is for each Z the most probable mass value of the chain (A_p) ± 6 a.m.u. (A_p values are in ref. 4).

Table 3. Complete Scelm of Magnetic Tape.[a]

(a) Due to core limitations in the computer on which the Scelm was performed a full record (512 60 bit words) is recorded in the listing as 463 words and 5 characters.

*** GENERAL SCELM *** TAPE-BUFFER SIZE IS 0463 60-BIT WORDS AND 5 6-BIT CHARACTERS
** (CDC) **

'NOISE' RECORD LIMIT IS 018 CHARACTERS

```
BEGIN FILE    1
      8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS      IN FILE    1, RECORDS     1 TO     8 INCLUSIVE
      1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                       IN FILE    1, RECORDS     9 TO     9 INCLUSIVE
      8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS      IN FILE    1, RECORDS    10 TO    17 INCLUSIVE
      1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                       IN FILE    1, RECORDS    18 TO    18 INCLUSIVE
      8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS      IN FILE    1, RECORDS    19 TO    26 INCLUSIVE
      1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                       IN FILE    1, RECORDS    27 TO    27 INCLUSIVE
      8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS      IN FILE    1, RECORDS    28 TO    35 INCLUSIVE
      1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                       IN FILE    1, RECORDS    36 TO    36 INCLUSIVE
      8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS      IN FILE    1, RECORDS    37 TO    44 INCLUSIVE
      1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                       IN FILE    1, RECORDS    45 TO    45 INCLUSIVE
      8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS      IN FILE    1, RECORDS    46 TO    53 INCLUSIVE
      1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                       IN FILE    1, RECORDS    54 TO    54 INCLUSIVE
      8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS      IN FILE    1, RECORDS    55 TO    62 INCLUSIVE
      1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                       IN FILE    1, RECORDS    63 TO    63 INCLUSIVE
      8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS      IN FILE    1, RECORDS    64 TO    71 INCLUSIVE
      1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                       IN FILE    1, RECORDS    72 TO    72 INCLUSIVE
      8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS      IN FILE    1, RECORDS    73 TO    80 INCLUSIVE
      1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                       IN FILE    1, RECORDS    81 TO    81 INCLUSIVE
      8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS      IN FILE    1, RECORDS    82 TO    89 INCLUSIVE
      1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                       IN FILE    1, RECORDS    90 TO    90 INCLUSIVE
      8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS      IN FILE    1, RECORDS    91 TO    98 INCLUSIVE
      1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                       IN FILE    1, RECORDS    99 TO    99 INCLUSIVE
      8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS      IN FILE    1, RECORDS   100 TO   107 INCLUSIVE
      1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                       IN FILE    1, RECORDS   108 TO   108 INCLUSIVE
      8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS      IN FILE    1, RECORDS   109 TO   116 INCLUSIVE
      1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                       IN FILE    1, RECORDS   117 TO   117 INCLUSIVE
      8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS      IN FILE    1, RECORDS   118 TO   125 INCLUSIVE
      1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                       IN FILE    1, RECORDS   126 TO   126 INCLUSIVE
      8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS      IN FILE    1, RECORDS   127 TO   134 INCLUSIVE
      1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                       IN FILE    1, RECORDS   135 TO   135 INCLUSIVE
      8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS      IN FILE    1, RECORDS   136 TO   143 INCLUSIVE
      1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                       IN FILE    1, RECORDS   144 TO   144 INCLUSIVE
      8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS      IN FILE    1, RECORDS   145 TO   152 INCLUSIVE
      1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                       IN FILE    1, RECORDS   153 TO   153 INCLUSIVE
      8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS      IN FILE    1, RECORDS   154 TO   161 INCLUSIVE
      1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                       IN FILE    1, RECORDS   162 TO   162 INCLUSIVE
      8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS      IN FILE    1, RECORDS   163 TO   170 INCLUSIVE
      1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                       IN FILE    1, RECORDS   171 TO   171 INCLUSIVE
      8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS      IN FILE    1, RECORDS   172 TO   179 INCLUSIVE
      1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                       IN FILE    1, RECORDS   180 TO   180 INCLUSIVE
      8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS      IN FILE    1, RECORDS   181 TO   188 INCLUSIVE
      1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                       IN FILE    1, RECORDS   189 TO   189 INCLUSIVE
      8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS      IN FILE    1, RECORDS   190 TO   197 INCLUSIVE
      1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                       IN FILE    1, RECORDS   198 TO   198 INCLUSIVE
      8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS      IN FILE    1, RECORDS   199 TO   206 INCLUSIVE
      1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                       IN FILE    1, RECORDS   207 TO   207 INCLUSIVE
      8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS      IN FILE    1, RECORDS   208 TO   215 INCLUSIVE
      1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                       IN FILE    1, RECORDS   216 TO   216 INCLUSIVE
      8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS      IN FILE    1, RECORDS   217 TO   224 INCLUSIVE
      1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                       IN FILE    1, RECORDS   225 TO   225 INCLUSIVE
      8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS      IN FILE    1, RECORDS   226 TO   233 INCLUSIVE
      1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                       IN FILE    1, RECORDS   234 TO   234 INCLUSIVE
      8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS      IN FILE    1, RECORDS   235 TO   242 INCLUSIVE
      1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                       IN FILE    1, RECORDS   243 TO   243 INCLUSIVE
      8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS      IN FILE    1, RECORDS   244 TO   251 INCLUSIVE
      1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                       IN FILE    1, RECORDS   252 TO   252 INCLUSIVE
      8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS      IN FILE    1, RECORDS   253 TO   260 INCLUSIVE
      1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                       IN FILE    1, RECORDS   261 TO   261 INCLUSIVE
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   8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS      IN FILE    1, RECORDS   262 TO   269 INCLUSIVE
   1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                       IN FILE    1, RECORDS   270 TO   270 INCLUSIVE
   8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS      IN FILE    1, RECORDS   271 TO   278 INCLUSIVE
   1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                       IN FILE    1, RECORDS   279 TO   279 INCLUSIVE
   8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS      IN FILE    1, RECORDS   280 TO   287 INCLUSIVE
   1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                       IN FILE    1, RECORDS   288 TO   288 INCLUSIVE
   8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS      IN FILE    1, RECORDS   289 TO   296 INCLUSIVE
   1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                       IN FILE    1, RECORDS   297 TO   297 INCLUSIVE
   8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS      IN FILE    1, RECORDS   298 TO   305 INCLUSIVE
   1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                       IN FILE    1, RECORDS   306 TO   306 INCLUSIVE
   8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS      IN FILE    1, RECORDS   307 TO   314 INCLUSIVE
   1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                       IN FILE    1, RECORDS   315 TO   315 INCLUSIVE
   8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS      IN FILE    1, RECORDS   316 TO   323 INCLUSIVE
   1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                       IN FILE    1, RECORDS   324 TO   324 INCLUSIVE
   8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS      IN FILE    1, RECORDS   325 TO   332 INCLUSIVE
   1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                       IN FILE    1, RECORDS   333 TO   333 INCLUSIVE
   8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS      IN FILE    1, RECORDS   334 TO   341 INCLUSIVE
   1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                       IN FILE    1, RECORDS   342 TO   342 INCLUSIVE
   8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS      IN FILE    1, RECORDS   343 TO   350 INCLUSIVE
   1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                       IN FILE    1, RECORDS   351 TO   351 INCLUSIVE
   8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS      IN FILE    1, RECORDS   352 TO   359 INCLUSIVE
   1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                       IN FILE    1, RECORDS   360 TO   360 INCLUSIVE
   8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS      IN FILE    1, RECORDS   361 TO   368 INCLUSIVE
   1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                       IN FILE    1, RECORDS   369 TO   369 INCLUSIVE

SUMMARY
   369 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                 TO 0463 WORDS AND 5 CHARACTERS
   THE ABOVE INCLUDES                                           328 N.I.N(W) RECORDS
IN FILE    1, RECORDS     1 TO   369 INCLUSIVE

END-OF-FILE    1
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BEGIN FILE 2

8	GOOD	BINARY	RECORDS	OF	LENGTH	0463	WORDS	AND 5 CHARACTERS	IN FILE	2,	RECORDS	1	TO	8 INCLUSIVE
1	GOOD	BINARY	RECORDS	OF	LENGTH	0016	WORDS		IN FILE	2,	RECORDS	9	TO	9 INCLUSIVE
8	GOOD	BINARY	RECORDS	OF	LENGTH	0463	WORDS	AND 5 CHARACTERS	IN FILE	2,	RECORDS	10	TO	17 INCLUSIVE
1	GOOD	BINARY	RECORDS	OF	LENGTH	0016	WORDS		IN FILE	2,	RECORDS	18	TO	18 INCLUSIVE
8	GOOD	BINARY	RECORDS	OF	LENGTH	0463	WORDS	AND 5 CHARACTERS	IN FILE	2,	RECORDS	19	TO	26 INCLUSIVE
1	GOOD	BINARY	RECORDS	OF	LENGTH	0016	WORDS		IN FILE	2,	RECORDS	27	TO	27 INCLUSIVE
8	GOOD	BINARY	RECORDS	OF	LENGTH	0463	WORDS	AND 5 CHARACTERS	IN FILE	2,	RECORDS	28	TO	35 INCLUSIVE
1	GOOD	BINARY	RECORDS	OF	LENGTH	0016	WORDS		IN FILE	2,	RECORDS	36	TO	36 INCLUSIVE
8	GOOD	BINARY	RECORDS	OF	LENGTH	0463	WORDS	AND 5 CHARACTERS	IN FILE	2,	RECORDS	37	TO	44 INCLUSIVE
1	GOOD	BINARY	RECORDS	OF	LENGTH	0016	WORDS		IN FILE	2,	RECORDS	45	TO	45 INCLUSIVE
8	GOOD	BINARY	RECORDS	OF	LENGTH	0463	WORDS	AND 5 CHARACTERS	IN FILE	2,	RECORDS	46	TO	53 INCLUSIVE
1	GOOD	BINARY	RECORDS	OF	LENGTH	0016	WORDS		IN FILE	2,	RECORDS	54	TO	54 INCLUSIVE
8	GOOD	BINARY	RECORDS	OF	LENGTH	0463	WORDS	AND 5 CHARACTERS	IN FILE	2,	RECORDS	55	TO	62 INCLUSIVE
1	GOOD	BINARY	RECORDS	OF	LENGTH	0016	WORDS		IN FILE	2,	RECORDS	63	TO	63 INCLUSIVE
8	GOOD	BINARY	RECORDS	OF	LENGTH	0463	WORDS	AND 5 CHARACTERS	IN FILE	2,	RECORDS	64	TO	71 INCLUSIVE
1	GOOD	BINARY	RECORDS	OF	LENGTH	0016	WORDS		IN FILE	2,	RECORDS	72	TO	72 INCLUSIVE
8	GOOD	BINARY	RECORDS	OF	LENGTH	0463	WORDS	AND 5 CHARACTERS	IN FILE	2,	RECORDS	73	TO	80 INCLUSIVE
1	GOOD	BINARY	RECORDS	OF	LENGTH	0016	WORDS		IN FILE	2,	RECORDS	81	TO	81 INCLUSIVE
8	GOOD	BINARY	RECORDS	OF	LENGTH	0463	WORDS	AND 5 CHARACTERS	IN FILE	2,	RECORDS	82	TO	89 INCLUSIVE
1	GOOD	BINARY	RECORDS	OF	LENGTH	0016	WORDS		IN FILE	2,	RECORDS	90	TO	90 INCLUSIVE
8	GOOD	BINARY	RECORDS	OF	LENGTH	0463	WORDS	AND 5 CHARACTERS	IN FILE	2,	RECORDS	91	TO	98 INCLUSIVE
1	GOOD	BINARY	RECORDS	OF	LENGTH	0016	WORDS		IN FILE	2,	RECORDS	99	TO	99 INCLUSIVE
8	GOOD	BINARY	RECORDS	OF	LENGTH	0463	WORDS	AND 5 CHARACTERS	IN FILE	2,	RECORDS	100	TO	107 INCLUSIVE
1	GOOD	BINARY	RECORDS	OF	LENGTH	0016	WORDS		IN FILE	2,	RECORDS	108	TO	108 INCLUSIVE
8	GOOD	BINARY	RECORDS	OF	LENGTH	0463	WORDS	AND 5 CHARACTERS	IN FILE	2,	RECORDS	109	TO	116 INCLUSIVE
1	GOOD	BINARY	RECORDS	OF	LENGTH	0016	WORDS		IN FILE	2,	RECORDS	117	TO	117 INCLUSIVE
8	GOOD	BINARY	RECORDS	OF	LENGTH	0463	WORDS	AND 5 CHARACTERS	IN FILE	2,	RECORDS	118	TO	125 INCLUSIVE
1	GOOD	BINARY	RECORDS	OF	LENGTH	0016	WORDS		IN FILE	2,	RECORDS	126	TO	126 INCLUSIVE
8	GOOD	BINARY	RECORDS	OF	LENGTH	0463	WORDS	AND 5 CHARACTERS	IN FILE	2,	RECORDS	127	TO	134 INCLUSIVE
1	GOOD	BINARY	RECORDS	OF	LENGTH	0016	WORDS		IN FILE	2,	RECORDS	135	TO	135 INCLUSIVE
8	GOOD	BINARY	RECORDS	OF	LENGTH	0463	WORDS	AND 5 CHARACTERS	IN FILE	2,	RECORDS	136	TO	143 INCLUSIVE
1	GOOD	BINARY	RECORDS	OF	LENGTH	0016	WORDS		IN FILE	2,	RECORDS	144	TO	144 INCLUSIVE
8	GOOD	BINARY	RECORDS	OF	LENGTH	0463	WORDS	AND 5 CHARACTERS	IN FILE	2,	RECORDS	145	TO	152 INCLUSIVE
1	GOOD	BINARY	RECORDS	OF	LENGTH	0016	WORDS		IN FILE	2,	RECORDS	153	TO	153 INCLUSIVE
8	GOOD	BINARY	RECORDS	OF	LENGTH	0463	WORDS	AND 5 CHARACTERS	IN FILE	2,	RECORDS	154	TO	161 INCLUSIVE
1	GOOD	BINARY	RECORDS	OF	LENGTH	0016	WORDS		IN FILE	2,	RECORDS	162	TO	162 INCLUSIVE
8	GOOD	BINARY	RECORDS	OF	LENGTH	0463	WORDS	AND 5 CHARACTERS	IN FILE	2,	RECORDS	163	TO	170 INCLUSIVE
1	GOOD	BINARY	RECORDS	OF	LENGTH	0016	WORDS		IN FILE	2,	RECORDS	171	TO	171 INCLUSIVE
8	GOOD	BINARY	RECORDS	OF	LENGTH	0463	WORDS	AND 5 CHARACTERS	IN FILE	2,	RECORDS	172	TO	179 INCLUSIVE
1	GOOD	BINARY	RECORDS	OF	LENGTH	0016	WORDS		IN FILE	2,	RECORDS	180	TO	180 INCLUSIVE
8	GOOD	BINARY	RECORDS	OF	LENGTH	0463	WORDS	AND 5 CHARACTERS	IN FILE	2,	RECORDS	181	TO	188 INCLUSIVE
1	GOOD	BINARY	RECORDS	OF	LENGTH	0016	WORDS		IN FILE	2,	RECORDS	189	TO	189 INCLUSIVE
8	GOOD	BINARY	RECORDS	OF	LENGTH	0463	WORDS	AND 5 CHARACTERS	IN FILE	2,	RECORDS	190	TO	197 INCLUSIVE
1	GOOD	BINARY	RECORDS	OF	LENGTH	0016	WORDS		IN FILE	2,	RECORDS	198	TO	198 INCLUSIVE
8	GOOD	BINARY	RECORDS	OF	LENGTH	0463	WORDS	AND 5 CHARACTERS	IN FILE	2,	RECORDS	199	TO	206 INCLUSIVE
1	GOOD	BINARY	RECORDS	OF	LENGTH	0016	WORDS		IN FILE	2,	RECORDS	207	TO	207 INCLUSIVE
8	GOOD	BINARY	RECORDS	OF	LENGTH	0463	WORDS	AND 5 CHARACTERS	IN FILE	2,	RECORDS	208	TO	215 INCLUSIVE
1	GOOD	BINARY	RECORDS	OF	LENGTH	0016	WORDS		IN FILE	2,	RECORDS	216	TO	216 INCLUSIVE
8	GOOD	BINARY	RECORDS	OF	LENGTH	0463	WORDS	AND 5 CHARACTERS	IN FILE	2,	RECORDS	217	TO	224 INCLUSIVE
1	GOOD	BINARY	RECORDS	OF	LENGTH	0016	WORDS		IN FILE	2,	RECORDS	225	TO	225 INCLUSIVE
8	GOOD	BINARY	RECORDS	OF	LENGTH	0463	WORDS	AND 5 CHARACTERS	IN FILE	2,	RECORDS	226	TO	233 INCLUSIVE
1	GOOD	BINARY	RECORDS	OF	LENGTH	0016	WORDS		IN FILE	2,	RECORDS	234	TO	234 INCLUSIVE
8	GOOD	BINARY	RECORDS	OF	LENGTH	0463	WORDS	AND 5 CHARACTERS	IN FILE	2,	RECORDS	235	TO	242 INCLUSIVE
1	GOOD	BINARY	RECORDS	OF	LENGTH	0016	WORDS		IN FILE	2,	RECORDS	243	TO	243 INCLUSIVE
8	GOOD	BINARY	RECORDS	OF	LENGTH	0463	WORDS	AND 5 CHARACTERS	IN FILE	2,	RECORDS	244	TO	251 INCLUSIVE
1	GOOD	BINARY	RECORDS	OF	LENGTH	0016	WORDS		IN FILE	2,	RECORDS	252	TO	252 INCLUSIVE
8	GOOD	BINARY	RECORDS	OF	LENGTH	0463	WORDS	AND 5 CHARACTERS	IN FILE	2,	RECORDS	253	TO	260 INCLUSIVE
1	GOOD	BINARY	RECORDS	OF	LENGTH	0016	WORDS		IN FILE	2,	RECORDS	261	TO	261 INCLUSIVE

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     8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS      IN FILE    2, RECORDS   262 TO   269 INCLUSIVE
     1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                       IN FILE    2, RECORDS   270 TO   270 INCLUSIVE
     8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS      IN FILE    2, RECORDS   271 TO   278 INCLUSIVE
     1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                       IN FILE    2, RECORDS   279 TO   279 INCLUSIVE
     8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS      IN FILE    2, RECORDS   280 TO   287 INCLUSIVE
     1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                       IN FILE    2, RECORDS   288 TO   288 INCLUSIVE
     8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS      IN FILE    2, RECORDS   289 TO   296 INCLUSIVE
     1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                       IN FILE    2, RECORDS   297 TO   297 INCLUSIVE
     8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS      IN FILE    2, RECORDS   298 TO   305 INCLUSIVE
     1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                       IN FILE    2, RECORDS   306 TO   306 INCLUSIVE
     8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS      IN FILE    2, RECORDS   307 TO   314 INCLUSIVE
     1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                       IN FILE    2, RECORDS   315 TO   315 INCLUSIVE
     8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS      IN FILE    2, RECORDS   316 TO   323 INCLUSIVE
     1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                       IN FILE    2, RECORDS   324 TO   324 INCLUSIVE
     8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS      IN FILE    2, RECORDS   325 TO   332 INCLUSIVE
     1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                       IN FILE    2, RECORDS   333 TO   333 INCLUSIVE
     8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS      IN FILE    2, RECORDS   334 TO   341 INCLUSIVE
     1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                       IN FILE    2, RECORDS   342 TO   342 INCLUSIVE
     8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS      IN FILE    2, RECORDS   343 TO   350 INCLUSIVE
     1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                       IN FILE    2, RECORDS   351 TO   351 INCLUSIVE
     8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS      IN FILE    2, RECORDS   352 TO   359 INCLUSIVE
     1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                       IN FILE    2, RECORDS   360 TO   360 INCLUSIVE
     8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS      IN FILE    2, RECORDS   361 TO   368 INCLUSIVE
     1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                       IN FILE    2, RECORDS   369 TO   369 INCLUSIVE

 SUMMARY
   369 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                  TO 0463 WORDS AND 5 CHARACTERS
   THE ABOVE INCLUDES                                            328 N.I.N(W) RECORDS
 IN FILE    2, RECORDS     1 TO   369 INCLUSIVE

 END-OF-FILE    2


 BEGIN FILE    3
     8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS      IN FILE    3, RECORDS     1 TO     8 INCLUSIVE
     1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                       IN FILE    3, RECORDS     9 TO     9 INCLUSIVE
     8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS      IN FILE    3, RECORDS    10 TO    17 INCLUSIVE
     1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                       IN FILE    3, RECORDS    18 TO    18 INCLUSIVE
     8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS      IN FILE    3, RECORDS    19 TO    26 INCLUSIVE
     1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                       IN FILE    3, RECORDS    27 TO    27 INCLUSIVE
     8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS      IN FILE    3, RECORDS    28 TO    35 INCLUSIVE
     1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                       IN FILE    3, RECORDS    36 TO    36 INCLUSIVE
     8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS      IN FILE    3, RECORDS    37 TO    44 INCLUSIVE
     1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                       IN FILE    3, RECORDS    45 TO    45 INCLUSIVE
     8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS      IN FILE    3, RECORDS    46 TO    53 INCLUSIVE
     1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                       IN FILE    3, RECORDS    54 TO    54 INCLUSIVE
     8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS      IN FILE    3, RECORDS    55 TO    62 INCLUSIVE
     1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                       IN FILE    3, RECORDS    63 TO    63 INCLUSIVE
     8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS      IN FILE    3, RECORDS    64 TO    71 INCLUSIVE
     1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                       IN FILE    3, RECORDS    72 TO    72 INCLUSIVE
     8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS      IN FILE    3, RECORDS    73 TO    80 INCLUSIVE
     1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                       IN FILE    3, RECORDS    81 TO    81 INCLUSIVE
     8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS      IN FILE    3, RECORDS    82 TO    89 INCLUSIVE
     1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                       IN FILE    3, RECORDS    90 TO    90 INCLUSIVE
     8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS      IN FILE    3, RECORDS    91 TO    98 INCLUSIVE
     1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                       IN FILE    3, RECORDS    99 TO    99 INCLUSIVE
     8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS      IN FILE    3, RECORDS   100 TO   107 INCLUSIVE
     1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                       IN FILE    3, RECORDS   108 TO   108 INCLUSIVE
     8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS      IN FILE    3, RECORDS   109 TO   116 INCLUSIVE
     1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                       IN FILE    3, RECORDS   117 TO   117 INCLUSIVE
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 8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS      IN FILE    3, RECORDS   118 TO   125 INCLUSIVE
 1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                      IN FILE    3, RECORDS   126 TO   126 INCLUSIVE
 8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS      IN FILE    3, RECORDS   127 TO   134 INCLUSIVE
 1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                      IN FILE    3, RECORDS   135 TO   135 INCLUSIVE
 8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS      IN FILE    3, RECORDS   136 TO   143 INCLUSIVE
 1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                      IN FILE    3, RECORDS   144 TO   144 INCLUSIVE
 8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS      IN FILE    3, RECORDS   145 TO   152 INCLUSIVE
 1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                      IN FILE    3, RECORDS   153 TO   153 INCLUSIVE
 8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS      IN FILE    3, RECORDS   154 TO   161 INCLUSIVE
 1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                      IN FILE    3, RECORDS   162 TO   162 INCLUSIVE
 8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS      IN FILE    3, RECORDS   163 TO   170 INCLUSIVE
 1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                      IN FILE    3, RECORDS   171 TO   171 INCLUSIVE
 8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS      IN FILE    3, RECORDS   172 TO   179 INCLUSIVE
 1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                      IN FILE    3, RECORDS   180 TO   180 INCLUSIVE
 8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS      IN FILE    3, RECORDS   181 TO   188 INCLUSIVE
 1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                      IN FILE    3, RECORDS   189 TO   189 INCLUSIVE
 8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS      IN FILE    3, RECORDS   190 TO   197 INCLUSIVE
 1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                      IN FILE    3, RECORDS   198 TO   198 INCLUSIVE
 8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS      IN FILE    3, RECORDS   199 TO   206 INCLUSIVE
 1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                      IN FILE    3, RECORDS   207 TO   207 INCLUSIVE
 8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS      IN FILE    3, RECORDS   208 TO   215 INCLUSIVE
 1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                      IN FILE    3, RECORDS   216 TO   216 INCLUSIVE
 8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS      IN FILE    3, RECORDS   217 TO   224 INCLUSIVE
 1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                      IN FILE    3, RECORDS   225 TO   225 INCLUSIVE
 8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS      IN FILE    3, RECORDS   226 TO   233 INCLUSIVE
 1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                      IN FILE    3, RECORDS   234 TO   234 INCLUSIVE
 8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS      IN FILE    3, RECORDS   235 TO   242 INCLUSIVE
 1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                      IN FILE    3, RECORDS   243 TO   243 INCLUSIVE
 8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS      IN FILE    3, RECORDS   244 TO   251 INCLUSIVE
 1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                      IN FILE    3, RECORDS   252 TO   252 INCLUSIVE
 8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS      IN FILE    3, RECORDS   253 TO   260 INCLUSIVE
 1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                      IN FILE    3, RECORDS   261 TO   261 INCLUSIVE
 8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS      IN FILE    3, RECORDS   262 TO   269 INCLUSIVE
 1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                      IN FILE    3, RECORDS   270 TO   270 INCLUSIVE
 8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS      IN FILE    3, RECORDS   271 TO   278 INCLUSIVE
 1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                      IN FILE    3, RECORDS   279 TO   279 INCLUSIVE
 8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS      IN FILE    3, RECORDS   280 TO   287 INCLUSIVE
 1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                      IN FILE    3, RECORDS   288 TO   288 INCLUSIVE
 8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS      IN FILE    3, RECORDS   289 TO   296 INCLUSIVE
 1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                      IN FILE    3, RECORDS   297 TO   297 INCLUSIVE
 8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS      IN FILE    3, RECORDS   298 TO   305 INCLUSIVE
 1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                      IN FILE    3, RECORDS   306 TO   306 INCLUSIVE
 8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS      IN FILE    3, RECORDS   307 TO   314 INCLUSIVE
 1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                      IN FILE    3, RECORDS   315 TO   315 INCLUSIVE
 8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS      IN FILE    3, RECORDS   316 TO   323 INCLUSIVE
 1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                      IN FILE    3, RECORDS   324 TO   324 INCLUSIVE
 8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS      IN FILE    3, RECORDS   325 TO   332 INCLUSIVE
 1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                      IN FILE    3, RECORDS   333 TO   333 INCLUSIVE
 8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS      IN FILE    3, RECORDS   334 TO   341 INCLUSIVE
 1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                      IN FILE    3, RECORDS   342 TO   342 INCLUSIVE
 8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS      IN FILE    3, RECORDS   343 TO   350 INCLUSIVE
 1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                      IN FILE    3, RECORDS   351 TO   351 INCLUSIVE
 8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS      IN FILE    3, RECORDS   352 TO   359 INCLUSIVE
 1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                      IN FILE    3, RECORDS   360 TO   360 INCLUSIVE
 8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS      IN FILE    3, RECORDS   361 TO   368 INCLUSIVE
 1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                      IN FILE    3, RECORDS   369 TO   369 INCLUSIVE

 SUMMARY
   369 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                      TO 0463 WORDS AND 5 CHARACTERS
   THE ABOVE INCLUDES                                                328 N.I.N(W) RECORDS
 IN FILE    3, RECORDS     1 TO   369 INCLUSIVE
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END-OF-FILE 3

BEGIN FILE 4

8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS IN FILE 4, RECORDS 1 TO 8 INCLUSIVE
1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS IN FILE 4, RECORDS 9 TO 9 INCLUSIVE
8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS IN FILE 4, RECORDS 10 TO 17 INCLUSIVE
1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS IN FILE 4, RECORDS 18 TO 18 INCLUSIVE
8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS IN FILE 4, RECORDS 19 TO 26 INCLUSIVE
1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS IN FILE 4, RECORDS 27 TO 27 INCLUSIVE
8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS IN FILE 4, RECORDS 28 TO 35 INCLUSIVE
1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS IN FILE 4, RECORDS 36 TO 36 INCLUSIVE
8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS IN FILE 4, RECORDS 37 TO 44 INCLUSIVE
1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS IN FILE 4, RECORDS 45 TO 45 INCLUSIVE
8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS IN FILE 4, RECORDS 46 TO 53 INCLUSIVE
1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS IN FILE 4, RECORDS 54 TO 54 INCLUSIVE
8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS IN FILE 4, RECORDS 55 TO 62 INCLUSIVE
1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS IN FILE 4, RECORDS 63 TO 63 INCLUSIVE
8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS IN FILE 4, RECORDS 64 TO 71 INCLUSIVE
1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS IN FILE 4, RECORDS 72 TO 72 INCLUSIVE
8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS IN FILE 4, RECORDS 73 TO 80 INCLUSIVE
1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS IN FILE 4, RECORDS 81 TO 81 INCLUSIVE
8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS IN FILE 4, RECORDS 82 TO 89 INCLUSIVE
1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS IN FILE 4, RECORDS 90 TO 90 INCLUSIVE
8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS IN FILE 4, RECORDS 91 TO 98 INCLUSIVE
1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS IN FILE 4, RECORDS 99 TO 99 INCLUSIVE
8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS IN FILE 4, RECORDS 100 TO 107 INCLUSIVE
1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS IN FILE 4, RECORDS 108 TO 108 INCLUSIVE
8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS IN FILE 4, RECORDS 109 TO 116 INCLUSIVE
1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS IN FILE 4, RECORDS 117 TO 117 INCLUSIVE
8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS IN FILE 4, RECORDS 118 TO 125 INCLUSIVE
1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS IN FILE 4, RECORDS 126 TO 126 INCLUSIVE
8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS IN FILE 4, RECORDS 127 TO 134 INCLUSIVE
1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS IN FILE 4, RECORDS 135 TO 135 INCLUSIVE
8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS IN FILE 4, RECORDS 136 TO 143 INCLUSIVE
1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS IN FILE 4, RECORDS 144 TO 144 INCLUSIVE
8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS IN FILE 4, RECORDS 145 TO 152 INCLUSIVE
1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS IN FILE 4, RECORDS 153 TO 153 INCLUSIVE
8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS IN FILE 4, RECORDS 154 TO 161 INCLUSIVE
1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS IN FILE 4, RECORDS 162 TO 162 INCLUSIVE
8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS IN FILE 4, RECORDS 163 TO 170 INCLUSIVE
1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS IN FILE 4, RECORDS 171 TO 171 INCLUSIVE
8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS IN FILE 4, RECORDS 172 TO 179 INCLUSIVE
1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS IN FILE 4, RECORDS 180 TO 180 INCLUSIVE
8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS IN FILE 4, RECORDS 181 TO 188 INCLUSIVE
1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS IN FILE 4, RECORDS 189 TO 189 INCLUSIVE
8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS IN FILE 4, RECORDS 190 TO 197 INCLUSIVE
1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS IN FILE 4, RECORDS 198 TO 198 INCLUSIVE
8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS IN FILE 4, RECORDS 199 TO 206 INCLUSIVE
1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS IN FILE 4, RECORDS 207 TO 207 INCLUSIVE
8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS IN FILE 4, RECORDS 208 TO 215 INCLUSIVE
1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS IN FILE 4, RECORDS 216 TO 216 INCLUSIVE
8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS IN FILE 4, RECORDS 217 TO 224 INCLUSIVE
1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS IN FILE 4, RECORDS 225 TO 225 INCLUSIVE
8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS IN FILE 4, RECORDS 226 TO 233 INCLUSIVE
1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS IN FILE 4, RECORDS 234 TO 234 INCLUSIVE
8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS IN FILE 4, RECORDS 235 TO 242 INCLUSIVE
1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS IN FILE 4, RECORDS 243 TO 243 INCLUSIVE
8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS IN FILE 4, RECORDS 244 TO 251 INCLUSIVE
1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS IN FILE 4, RECORDS 252 TO 252 INCLUSIVE

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     8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS      IN FILE    4, RECORDS   253 TO   260 INCLUSIVE
     1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                       IN FILE    4, RECORDS   261 TO   261 INCLUSIVE
     8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS      IN FILE    4, RECORDS   262 TO   269 INCLUSIVE
     1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                       IN FILE    4, RECORDS   270 TO   270 INCLUSIVE
     8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS      IN FILE    4, RECORDS   271 TO   278 INCLUSIVE
     1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                       IN FILE    4, RECORDS   279 TO   279 INCLUSIVE
     8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS      IN FILE    4, RECORDS   280 TO   287 INCLUSIVE
     1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                       IN FILE    4, RECORDS   288 TO   288 INCLUSIVE
     8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS      IN FILE    4, RECORDS   289 TO   296 INCLUSIVE
     1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                       IN FILE    4, RECORDS   297 TO   297 INCLUSIVE
     8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS      IN FILE    4, RECORDS   298 TO   305 INCLUSIVE
     1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                       IN FILE    4, RECORDS   306 TO   306 INCLUSIVE
     8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS      IN FILE    4, RECORDS   307 TO   314 INCLUSIVE
     1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                       IN FILE    4, RECORDS   315 TO   315 INCLUSIVE
     8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS      IN FILE    4, RECORDS   316 TO   323 INCLUSIVE
     1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                       IN FILE    4, RECORDS   324 TO   324 INCLUSIVE
     8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS      IN FILE    4, RECORDS   325 TO   332 INCLUSIVE
     1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                       IN FILE    4, RECORDS   333 TO   333 INCLUSIVE
     8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS      IN FILE    4, RECORDS   334 TO   341 INCLUSIVE
     1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                       IN FILE    4, RECORDS   342 TO   342 INCLUSIVE
     8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS      IN FILE    4, RECORDS   343 TO   350 INCLUSIVE
     1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                       IN FILE    4, RECORDS   351 TO   351 INCLUSIVE
     8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS      IN FILE    4, RECORDS   352 TO   359 INCLUSIVE
     1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                       IN FILE    4, RECORDS   360 TO   360 INCLUSIVE
     8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS      IN FILE    4, RECORDS   361 TO   368 INCLUSIVE
     1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                       IN FILE    4, RECORDS   369 TO   369 INCLUSIVE

SUMMARY
   369 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                  TO 0463 WORDS AND 5 CHARACTERS
   THE ABOVE INCLUDES                                            328 N.I.N(W) RECORDS
IN FILE    4, RECORDS     1 TO   369 INCLUSIVE

END-OF-FILE    4


BEGIN FILE    5
     8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS      IN FILE    5, RECORDS     1 TO     8 INCLUSIVE
     1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                       IN FILE    5, RECORDS     9 TO     9 INCLUSIVE
     8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS      IN FILE    5, RECORDS    10 TO    17 INCLUSIVE
     1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                       IN FILE    5, RECORDS    18 TO    18 INCLUSIVE
     8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS      IN FILE    5, RECORDS    19 TO    26 INCLUSIVE
     1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                       IN FILE    5, RECORDS    27 TO    27 INCLUSIVE
     8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS      IN FILE    5, RECORDS    28 TO    35 INCLUSIVE
     1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                       IN FILE    5, RECORDS    36 TO    36 INCLUSIVE
     8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS      IN FILE    5, RECORDS    37 TO    44 INCLUSIVE
     1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                       IN FILE    5, RECORDS    45 TO    45 INCLUSIVE
     8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS      IN FILE    5, RECORDS    46 TO    53 INCLUSIVE
     1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                       IN FILE    5, RECORDS    54 TO    54 INCLUSIVE
     8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS      IN FILE    5, RECORDS    55 TO    62 INCLUSIVE
     1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                       IN FILE    5, RECORDS    63 TO    63 INCLUSIVE
     8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS      IN FILE    5, RECORDS    64 TO    71 INCLUSIVE
     1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                       IN FILE    5, RECORDS    72 TO    72 INCLUSIVE
     8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS      IN FILE    5, RECORDS    73 TO    80 INCLUSIVE
     1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                       IN FILE    5, RECORDS    81 TO    81 INCLUSIVE
     8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS      IN FILE    5, RECORDS    82 TO    89 INCLUSIVE
     1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                       IN FILE    5, RECORDS    90 TO    90 INCLUSIVE
     8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS      IN FILE    5, RECORDS    91 TO    98 INCLUSIVE
     1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                       IN FILE    5, RECORDS    99 TO    99 INCLUSIVE
     8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS      IN FILE    5, RECORDS   100 TO   107 INCLUSIVE
     1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                       IN FILE    5, RECORDS   108 TO   108 INCLUSIVE
     8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS      IN FILE    5, RECORDS   109 TO   116 INCLUSIVE
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1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                          IN FILE    5, RECORDS   117 TO   117 INCLUSIVE
8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS        IN FILE    5, RECORDS   118 TO   125 INCLUSIVE
1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                          IN FILE    5, RECORDS   126 TO   126 INCLUSIVE
8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS        IN FILE    5, RECORDS   127 TO   134 INCLUSIVE
1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                          IN FILE    5, RECORDS   135 TO   135 INCLUSIVE
8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS        IN FILE    5, RECORDS   136 TO   143 INCLUSIVE
1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                          IN FILE    5, RECORDS   144 TO   144 INCLUSIVE
8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS        IN FILE    5, RECORDS   145 TO   152 INCLUSIVE
1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                          IN FILE    5, RECORDS   153 TO   153 INCLUSIVE
8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS        IN FILE    5, RECORDS   154 TO   161 INCLUSIVE
1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                          IN FILE    5, RECORDS   162 TO   162 INCLUSIVE
8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS        IN FILE    5, RECORDS   163 TO   170 INCLUSIVE
1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                          IN FILE    5, RECORDS   171 TO   171 INCLUSIVE
8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS        IN FILE    5, RECORDS   172 TO   179 INCLUSIVE
1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                          IN FILE    5, RECORDS   180 TO   180 INCLUSIVE
8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS        IN FILE    5, RECORDS   181 TO   188 INCLUSIVE
1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                          IN FILE    5, RECORDS   189 TO   189 INCLUSIVE
8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS        IN FILE    5, RECORDS   190 TO   197 INCLUSIVE
1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                          IN FILE    5, RECORDS   198 TO   198 INCLUSIVE
8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS        IN FILE    5, RECORDS   199 TO   206 INCLUSIVE
1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                          IN FILE    5, RECORDS   207 TO   207 INCLUSIVE
8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS        IN FILE    5, RECORDS   208 TO   215 INCLUSIVE
1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                          IN FILE    5, RECORDS   216 TO   216 INCLUSIVE
8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS        IN FILE    5, RECORDS   217 TO   224 INCLUSIVE
1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                          IN FILE    5, RECORDS   225 TO   225 INCLUSIVE
8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS        IN FILE    5, RECORDS   226 TO   233 INCLUSIVE
1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                          IN FILE    5, RECORDS   234 TO   234 INCLUSIVE
8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS        IN FILE    5, RECORDS   235 TO   242 INCLUSIVE
1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                          IN FILE    5, RECORDS   243 TO   243 INCLUSIVE
8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS        IN FILE    5, RECORDS   244 TO   251 INCLUSIVE
1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                          IN FILE    5, RECORDS   252 TO   252 INCLUSIVE
8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS        IN FILE    5, RECORDS   253 TO   260 INCLUSIVE
1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                          IN FILE    5, RECORDS   261 TO   261 INCLUSIVE
8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS        IN FILE    5, RECORDS   262 TO   269 INCLUSIVE
1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                          IN FILE    5, RECORDS   270 TO   270 INCLUSIVE
8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS        IN FILE    5, RECORDS   271 TO   278 INCLUSIVE
1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                          IN FILE    5, RECORDS   279 TO   279 INCLUSIVE
8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS        IN FILE    5, RECORDS   280 TO   287 INCLUSIVE
1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                          IN FILE    5, RECORDS   288 TO   288 INCLUSIVE
8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS        IN FILE    5, RECORDS   289 TO   296 INCLUSIVE
1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                          IN FILE    5, RECORDS   297 TO   297 INCLUSIVE
8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS        IN FILE    5, RECORDS   298 TO   305 INCLUSIVE
1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                          IN FILE    5, RECORDS   306 TO   306 INCLUSIVE
8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS        IN FILE    5, RECORDS   307 TO   314 INCLUSIVE
1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                          IN FILE    5, RECORDS   315 TO   315 INCLUSIVE
8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS        IN FILE    5, RECORDS   316 TO   323 INCLUSIVE
1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                          IN FILE    5, RECORDS   324 TO   324 INCLUSIVE
8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS        IN FILE    5, RECORDS   325 TO   332 INCLUSIVE
1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                          IN FILE    5, RECORDS   333 TO   333 INCLUSIVE
8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS        IN FILE    5, RECORDS   334 TO   341 INCLUSIVE
1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                          IN FILE    5, RECORDS   342 TO   342 INCLUSIVE
8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS        IN FILE    5, RECORDS   343 TO   350 INCLUSIVE
1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                          IN FILE    5, RECORDS   351 TO   351 INCLUSIVE
8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS        IN FILE    5, RECORDS   352 TO   359 INCLUSIVE
1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                          IN FILE    5, RECORDS   360 TO   360 INCLUSIVE
8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS        IN FILE    5, RECORDS   361 TO   368 INCLUSIVE
1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                          IN FILE    5, RECORDS   369 TO   369 INCLUSIVE
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SUMMARY

369 GOOD BINARY RECORDS OF LENGTH 0016 WORDS TO 0463 WORDS AND 5 CHARACTERS
THE ABOVE INCLUDES 328 N.I.N(W) RECORDS
IN FILE 5, RECORDS 1 TO 369 INCLUSIVE

END-OF-FILE 5

BEGIN FILE 6

8	GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS	IN FILE	6,	RECORDS	1	TO	8	INCLUSIVE
1	GOOD BINARY RECORDS OF LENGTH 0016 WORDS	IN FILE	6,	RECORDS	9	TO	9	INCLUSIVE
8	GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS	IN FILE	6,	RECORDS	10	TO	17	INCLUSIVE
1	GOOD BINARY RECORDS OF LENGTH 0016 WORDS	IN FILE	6,	RECORDS	18	TO	18	INCLUSIVE
8	GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS	IN FILE	6,	RECORDS	19	TO	26	INCLUSIVE
1	GOOD BINARY RECORDS OF LENGTH 0016 WORDS	IN FILE	6,	RECORDS	27	TO	27	INCLUSIVE
8	GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS	IN FILE	6,	RECORDS	28	TO	35	INCLUSIVE
1	GOOD BINARY RECORDS OF LENGTH 0016 WORDS	IN FILE	6,	RECORDS	36	TO	36	INCLUSIVE
8	GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS	IN FILE	6,	RECORDS	37	TO	44	INCLUSIVE
1	GOOD BINARY RECORDS OF LENGTH 0016 WORDS	IN FILE	6,	RECORDS	45	TO	45	INCLUSIVE
8	GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS	IN FILE	6,	RECORDS	46	TO	53	INCLUSIVE
1	GOOD BINARY RECORDS OF LENGTH 0016 WORDS	IN FILE	6,	RECORDS	54	TO	54	INCLUSIVE
8	GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS	IN FILE	6,	RECORDS	55	TO	62	INCLUSIVE
1	GOOD BINARY RECORDS OF LENGTH 0016 WORDS	IN FILE	6,	RECORDS	63	TO	63	INCLUSIVE
8	GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS	IN FILE	6,	RECORDS	64	TO	71	INCLUSIVE
1	GOOD BINARY RECORDS OF LENGTH 0016 WORDS	IN FILE	6,	RECORDS	72	TO	72	INCLUSIVE
8	GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS	IN FILE	6,	RECORDS	73	TO	80	INCLUSIVE
1	GOOD BINARY RECORDS OF LENGTH 0016 WORDS	IN FILE	6,	RECORDS	81	TO	81	INCLUSIVE
8	GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS	IN FILE	6,	RECORDS	82	TO	89	INCLUSIVE
1	GOOD BINARY RECORDS OF LENGTH 0016 WORDS	IN FILE	6,	RECORDS	90	TO	90	INCLUSIVE
8	GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS	IN FILE	6,	RECORDS	91	TO	98	INCLUSIVE
1	GOOD BINARY RECORDS OF LENGTH 0016 WORDS	IN FILE	6,	RECORDS	99	TO	99	INCLUSIVE
8	GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS	IN FILE	6,	RECORDS	100	TO	107	INCLUSIVE
1	GOOD BINARY RECORDS OF LENGTH 0016 WORDS	IN FILE	6,	RECORDS	108	TO	108	INCLUSIVE
8	GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS	IN FILE	6,	RECORDS	109	TO	116	INCLUSIVE
1	GOOD BINARY RECORDS OF LENGTH 0016 WORDS	IN FILE	6,	RECORDS	117	TO	117	INCLUSIVE
8	GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS	IN FILE	6,	RECORDS	118	TO	125	INCLUSIVE
1	GOOD BINARY RECORDS OF LENGTH 0016 WORDS	IN FILE	6,	RECORDS	126	TO	126	INCLUSIVE
8	GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS	IN FILE	6,	RECORDS	127	TO	134	INCLUSIVE
1	GOOD BINARY RECORDS OF LENGTH 0016 WORDS	IN FILE	6,	RECORDS	135	TO	135	INCLUSIVE
8	GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS	IN FILE	6,	RECORDS	136	TO	143	INCLUSIVE
1	GOOD BINARY RECORDS OF LENGTH 0016 WORDS	IN FILE	6,	RECORDS	144	TO	144	INCLUSIVE
8	GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS	IN FILE	6,	RECORDS	145	TO	152	INCLUSIVE
1	GOOD BINARY RECORDS OF LENGTH 0016 WORDS	IN FILE	6,	RECORDS	153	TO	153	INCLUSIVE
8	GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS	IN FILE	6,	RECORDS	154	TO	161	INCLUSIVE
1	GOOD BINARY RECORDS OF LENGTH 0016 WORDS	IN FILE	6,	RECORDS	162	TO	162	INCLUSIVE
8	GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS	IN FILE	6,	RECORDS	163	TO	170	INCLUSIVE
1	GOOD BINARY RECORDS OF LENGTH 0016 WORDS	IN FILE	6,	RECORDS	171	TO	171	INCLUSIVE
8	GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS	IN FILE	6,	RECORDS	172	TO	179	INCLUSIVE
1	GOOD BINARY RECORDS OF LENGTH 0016 WORDS	IN FILE	6,	RECORDS	180	TO	180	INCLUSIVE
8	GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS	IN FILE	6,	RECORDS	181	TO	188	INCLUSIVE
1	GOOD BINARY RECORDS OF LENGTH 0016 WORDS	IN FILE	6,	RECORDS	189	TO	189	INCLUSIVE
8	GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS	IN FILE	6,	RECORDS	190	TO	197	INCLUSIVE
1	GOOD BINARY RECORDS OF LENGTH 0016 WORDS	IN FILE	6,	RECORDS	198	TO	198	INCLUSIVE
8	GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS	IN FILE	6,	RECORDS	199	TO	206	INCLUSIVE
1	GOOD BINARY RECORDS OF LENGTH 0016 WORDS	IN FILE	6,	RECORDS	207	TO	207	INCLUSIVE
8	GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS	IN FILE	6,	RECORDS	208	TO	215	INCLUSIVE
1	GOOD BINARY RECORDS OF LENGTH 0016 WORDS	IN FILE	6,	RECORDS	216	TO	216	INCLUSIVE
8	GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS	IN FILE	6,	RECORDS	217	TO	224	INCLUSIVE
1	GOOD BINARY RECORDS OF LENGTH 0016 WORDS	IN FILE	6,	RECORDS	225	TO	225	INCLUSIVE
8	GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS	IN FILE	6,	RECORDS	226	TO	233	INCLUSIVE

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     1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                    IN FILE    6, RECORDS   234 TO   234 INCLUSIVE
     8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS   IN FILE    6, RECORDS   235 TO   242 INCLUSIVE
     1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                    IN FILE    6, RECORDS   243 TO   243 INCLUSIVE

  SUMMARY
    243 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                   TO 0463 WORDS AND 5 CHARACTERS
    THE ABOVE INCLUDES                                             216 N.I.N(W) RECORDS
  IN FILE    6, RECORDS     1 TO   243 INCLUSIVE

  END-OF-FILE    6


  BEGIN FILE    7

  END-OF-FILE    7

  EMPTY FILE - POSSIBLE END-OF-RUN
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BEGIN FILE 8

8	GOOD	BINARY	RECORDS	OF LENGTH 0463	WORDS AND 5 CHARACTERS	IN FILE	8,	RECORDS	1	TO 8 INCLUSIVE
1	GOOD	BINARY	RECORDS	OF LENGTH 0016	WORDS	IN FILE	8,	RECORDS	9	TO 9 INCLUSIVE
8	GOOD	BINARY	RECORDS	OF LENGTH 0463	WORDS AND 5 CHARACTERS	IN FILE	8,	RECORDS	10	TO 17 INCLUSIVE
1	GOOD	BINARY	RECORDS	OF LENGTH 0016	WORDS	IN FILE	8,	RECORDS	18	TO 18 INCLUSIVE
8	GOOD	BINARY	RECORDS	OF LENGTH 0463	WORDS AND 5 CHARACTERS	IN FILE	8,	RECORDS	19	TO 26 INCLUSIVE
1	GOOD	BINARY	RECORDS	OF LENGTH 0016	WORDS	IN FILE	8,	RECORDS	27	TO 27 INCLUSIVE
8	GOOD	BINARY	RECORDS	OF LENGTH 0463	WORDS AND 5 CHARACTERS	IN FILE	8,	RECORDS	28	TO 35 INCLUSIVE
1	GOOD	BINARY	RECORDS	OF LENGTH 0016	WORDS	IN FILE	8,	RECORDS	36	TO 36 INCLUSIVE
8	GOOD	BINARY	RECORDS	OF LENGTH 0463	WORDS AND 5 CHARACTERS	IN FILE	8,	RECORDS	37	TO 44 INCLUSIVE
1	GOOD	BINARY	RECORDS	OF LENGTH 0016	WORDS	IN FILE	8,	RECORDS	45	TO 45 INCLUSIVE
8	GOOD	BINARY	RECORDS	OF LENGTH 0463	WORDS AND 5 CHARACTERS	IN FILE	8,	RECORDS	46	TO 53 INCLUSIVE
1	GOOD	BINARY	RECORDS	OF LENGTH 0016	WORDS	IN FILE	8,	RECORDS	54	TO 54 INCLUSIVE
8	GOOD	BINARY	RECORDS	OF LENGTH 0463	WORDS AND 5 CHARACTERS	IN FILE	8,	RECORDS	55	TO 62 INCLUSIVE
1	GOOD	BINARY	RECORDS	OF LENGTH 0016	WORDS	IN FILE	8,	RECORDS	63	TO 63 INCLUSIVE
8	GOOD	BINARY	RECORDS	OF LENGTH 0463	WORDS AND 5 CHARACTERS	IN FILE	8,	RECORDS	64	TO 71 INCLUSIVE
1	GOOD	BINARY	RECORDS	OF LENGTH 0016	WORDS	IN FILE	8,	RECORDS	72	TO 72 INCLUSIVE
8	GOOD	BINARY	RECORDS	OF LENGTH 0463	WORDS AND 5 CHARACTERS	IN FILE	8,	RECORDS	73	TO 80 INCLUSIVE
1	GOOD	BINARY	RECORDS	OF LENGTH 0016	WORDS	IN FILE	8,	RECORDS	81	TO 81 INCLUSIVE
8	GOOD	BINARY	RECORDS	OF LENGTH 0463	WORDS AND 5 CHARACTERS	IN FILE	8,	RECORDS	82	TO 89 INCLUSIVE
1	GOOD	BINARY	RECORDS	OF LENGTH 0016	WORDS	IN FILE	8,	RECORDS	90	TO 90 INCLUSIVE
8	GOOD	BINARY	RECORDS	OF LENGTH 0463	WORDS AND 5 CHARACTERS	IN FILE	8,	RECORDS	91	TO 98 INCLUSIVE
1	GOOD	BINARY	RECORDS	OF LENGTH 0016	WORDS	IN FILE	8,	RECORDS	99	TO 99 INCLUSIVE
8	GOOD	BINARY	RECORDS	OF LENGTH 0463	WORDS AND 5 CHARACTERS	IN FILE	8,	RECORDS	100	TO 107 INCLUSIVE
1	GOOD	BINARY	RECORDS	OF LENGTH 0016	WORDS	IN FILE	8,	RECORDS	108	TO 108 INCLUSIVE
8	GOOD	BINARY	RECORDS	OF LENGTH 0463	WORDS AND 5 CHARACTERS	IN FILE	8,	RECORDS	109	TO 116 INCLUSIVE
1	GOOD	BINARY	RECORDS	OF LENGTH 0016	WORDS	IN FILE	8,	RECORDS	117	TO 117 INCLUSIVE
8	GOOD	BINARY	RECORDS	OF LENGTH 0463	WORDS AND 5 CHARACTERS	IN FILE	8,	RECORDS	118	TO 125 INCLUSIVE
1	GOOD	BINARY	RECORDS	OF LENGTH 0016	WORDS	IN FILE	8,	RECORDS	126	TO 126 INCLUSIVE
8	GOOD	BINARY	RECORDS	OF LENGTH 0463	WORDS AND 5 CHARACTERS	IN FILE	8,	RECORDS	127	TO 134 INCLUSIVE
1	GOOD	BINARY	RECORDS	OF LENGTH 0016	WORDS	IN FILE	8,	RECORDS	135	TO 135 INCLUSIVE
8	GOOD	BINARY	RECORDS	OF LENGTH 0463	WORDS AND 5 CHARACTERS	IN FILE	8,	RECORDS	136	TO 143 INCLUSIVE
1	GOOD	BINARY	RECORDS	OF LENGTH 0016	WORDS	IN FILE	8,	RECORDS	144	TO 144 INCLUSIVE
8	GOOD	BINARY	RECORDS	OF LENGTH 0463	WORDS AND 5 CHARACTERS	IN FILE	8,	RECORDS	145	TO 152 INCLUSIVE
1	GOOD	BINARY	RECORDS	OF LENGTH 0016	WORDS	IN FILE	8,	RECORDS	153	TO 153 INCLUSIVE
8	GOOD	BINARY	RECORDS	OF LENGTH 0463	WORDS AND 5 CHARACTERS	IN FILE	8,	RECORDS	154	TO 161 INCLUSIVE
1	GOOD	BINARY	RECORDS	OF LENGTH 0016	WORDS	IN FILE	8,	RECORDS	162	TO 162 INCLUSIVE
8	GOOD	BINARY	RECORDS	OF LENGTH 0463	WORDS AND 5 CHARACTERS	IN FILE	8,	RECORDS	163	TO 170 INCLUSIVE
1	GOOD	BINARY	RECORDS	OF LENGTH 0016	WORDS	IN FILE	8,	RECORDS	171	TO 171 INCLUSIVE
8	GOOD	BINARY	RECORDS	OF LENGTH 0463	WORDS AND 5 CHARACTERS	IN FILE	8,	RECORDS	172	TO 179 INCLUSIVE
1	GOOD	BINARY	RECORDS	OF LENGTH 0016	WORDS	IN FILE	8,	RECORDS	180	TO 180 INCLUSIVE
8	GOOD	BINARY	RECORDS	OF LENGTH 0463	WORDS AND 5 CHARACTERS	IN FILE	8,	RECORDS	181	TO 188 INCLUSIVE
1	GOOD	BINARY	RECORDS	OF LENGTH 0016	WORDS	IN FILE	8,	RECORDS	189	TO 189 INCLUSIVE
8	GOOD	BINARY	RECORDS	OF LENGTH 0463	WORDS AND 5 CHARACTERS	IN FILE	8,	RECORDS	190	TO 197 INCLUSIVE
1	GOOD	BINARY	RECORDS	OF LENGTH 0016	WORDS	IN FILE	8,	RECORDS	198	TO 198 INCLUSIVE
8	GOOD	BINARY	RECORDS	OF LENGTH 0463	WORDS AND 5 CHARACTERS	IN FILE	8,	RECORDS	199	TO 206 INCLUSIVE
1	GOOD	BINARY	RECORDS	OF LENGTH 0016	WORDS	IN FILE	8,	RECORDS	207	TO 207 INCLUSIVE
8	GOOD	BINARY	RECORDS	OF LENGTH 0463	WORDS AND 5 CHARACTERS	IN FILE	8,	RECORDS	208	TO 215 INCLUSIVE
1	GOOD	BINARY	RECORDS	OF LENGTH 0016	WORDS	IN FILE	8,	RECORDS	216	TO 216 INCLUSIVE
8	GOOD	BINARY	RECORDS	OF LENGTH 0463	WORDS AND 5 CHARACTERS	IN FILE	8,	RECORDS	217	TO 224 INCLUSIVE
1	GOOD	BINARY	RECORDS	OF LENGTH 0016	WORDS	IN FILE	8,	RECORDS	225	TO 225 INCLUSIVE
8	GOOD	BINARY	RECORDS	OF LENGTH 0463	WORDS AND 5 CHARACTERS	IN FILE	8,	RECORDS	226	TO 233 INCLUSIVE
1	GOOD	BINARY	RECORDS	OF LENGTH 0016	WORDS	IN FILE	8,	RECORDS	234	TO 234 INCLUSIVE
8	GOOD	BINARY	RECORDS	OF LENGTH 0463	WORDS AND 5 CHARACTERS	IN FILE	8,	RECORDS	235	TO 242 INCLUSIVE
1	GOOD	BINARY	RECORDS	OF LENGTH 0016	WORDS	IN FILE	8,	RECORDS	243	TO 243 INCLUSIVE
8	GOOD	BINARY	RECORDS	OF LENGTH 0463	WORDS AND 5 CHARACTERS	IN FILE	8,	RECORDS	244	TO 251 INCLUSIVE
1	GOOD	BINARY	RECORDS	OF LENGTH 0016	WORDS	IN FILE	8,	RECORDS	252	TO 252 INCLUSIVE
8	GOOD	BINARY	RECORDS	OF LENGTH 0463	WORDS AND 5 CHARACTERS	IN FILE	8,	RECORDS	253	TO 260 INCLUSIVE
1	GOOD	BINARY	RECORDS	OF LENGTH 0016	WORDS	IN FILE	8,	RECORDS	261	TO 261 INCLUSIVE

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     8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS      IN FILE    8, RECORDS   262 TO   269 INCLUSIVE
     1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                       IN FILE    8, RECORDS   270 TO   270 INCLUSIVE
     8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS      IN FILE    8, RECORDS   271 TO   278 INCLUSIVE
     1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                       IN FILE    8, RECORDS   279 TO   279 INCLUSIVE
     8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS      IN FILE    8, RECORDS   280 TO   287 INCLUSIVE
     1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                       IN FILE    8, RECORDS   288 TO   288 INCLUSIVE
     8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS      IN FILE    8, RECORDS   289 TO   296 INCLUSIVE
     1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                       IN FILE    8, RECORDS   297 TO   297 INCLUSIVE
     8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS      IN FILE    8, RECORDS   298 TO   305 INCLUSIVE
     1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                       IN FILE    8, RECORDS   306 TO   306 INCLUSIVE
     8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS      IN FILE    8, RECORDS   307 TO   314 INCLUSIVE
     1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                       IN FILE    8, RECORDS   315 TO   315 INCLUSIVE
     8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS      IN FILE    8, RECORDS   316 TO   323 INCLUSIVE
     1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                       IN FILE    8, RECORDS   324 TO   324 INCLUSIVE
     8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS      IN FILE    8, RECORDS   325 TO   332 INCLUSIVE
     1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                       IN FILE    8, RECORDS   333 TO   333 INCLUSIVE
     8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS      IN FILE    8, RECORDS   334 TO   341 INCLUSIVE
     1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                       IN FILE    8, RECORDS   342 TO   342 INCLUSIVE
     8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS      IN FILE    8, RECORDS   343 TO   350 INCLUSIVE
     1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                       IN FILE    8, RECORDS   351 TO   351 INCLUSIVE
     8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS      IN FILE    8, RECORDS   352 TO   359 INCLUSIVE
     1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                       IN FILE    8, RECORDS   360 TO   360 INCLUSIVE
     8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS      IN FILE    8, RECORDS   361 TO   368 INCLUSIVE
     1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                       IN FILE    8, RECORDS   369 TO   369 INCLUSIVE

 SUMMARY
   369 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                  TO 0463 WORDS AND 5 CHARACTERS
   THE ABOVE INCLUDES                                            328 N.I.N(W) RECORDS
 IN FILE    8, RECORDS     1 TO   369 INCLUSIVE

 END-OF-FILE    8

 BEGIN FILE    9
     8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS      IN FILE    9, RECORDS     1 TO     8 INCLUSIVE
     1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                       IN FILE    9, RECORDS     9 TO     9 INCLUSIVE
     8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS      IN FILE    9, RECORDS    10 TO    17 INCLUSIVE
     1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                       IN FILE    9, RECORDS    18 TO    18 INCLUSIVE
     8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS      IN FILE    9, RECORDS    19 TO    26 INCLUSIVE
     1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                       IN FILE    9, RECORDS    27 TO    27 INCLUSIVE
     8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS      IN FILE    9, RECORDS    28 TO    35 INCLUSIVE
     1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                       IN FILE    9, RECORDS    36 TO    36 INCLUSIVE
     8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS      IN FILE    9, RECORDS    37 TO    44 INCLUSIVE
     1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                       IN FILE    9, RECORDS    45 TO    45 INCLUSIVE
     8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS      IN FILE    9, RECORDS    46 TO    53 INCLUSIVE
     1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                       IN FILE    9, RECORDS    54 TO    54 INCLUSIVE
     8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS      IN FILE    9, RECORDS    55 TO    62 INCLUSIVE
     1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                       IN FILE    9, RECORDS    63 TO    63 INCLUSIVE
     8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS      IN FILE    9, RECORDS    64 TO    71 INCLUSIVE
     1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                       IN FILE    9, RECORDS    72 TO    72 INCLUSIVE
     8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS      IN FILE    9, RECORDS    73 TO    80 INCLUSIVE
     1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                       IN FILE    9, RECORDS    81 TO    81 INCLUSIVE
     8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS      IN FILE    9, RECORDS    82 TO    89 INCLUSIVE
     1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                       IN FILE    9, RECORDS    90 TO    90 INCLUSIVE
     8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS      IN FILE    9, RECORDS    91 TO    98 INCLUSIVE
     1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                       IN FILE    9, RECORDS    99 TO    99 INCLUSIVE
     8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS      IN FILE    9, RECORDS   100 TO   107 INCLUSIVE
     1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                       IN FILE    9, RECORDS   108 TO   108 INCLUSIVE
     8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS      IN FILE    9, RECORDS   109 TO   116 INCLUSIVE
     1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                       IN FILE    9, RECORDS   117 TO   117 INCLUSIVE
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   8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS    IN FILE    9, RECORDS   118 TO   125 INCLUSIVE
   1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                     IN FILE    9, RECORDS   126 TO   126 INCLUSIVE
   8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS    IN FILE    9, RECORDS   127 TO   134 INCLUSIVE
   1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                     IN FILE    9, RECORDS   135 TO   135 INCLUSIVE
   8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS    IN FILE    9, RECORDS   136 TO   143 INCLUSIVE
   1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                     IN FILE    9, RECORDS   144 TO   144 INCLUSIVE
   8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS    IN FILE    9, RECORDS   145 TO   152 INCLUSIVE
   1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                     IN FILE    9, RECORDS   153 TO   153 INCLUSIVE
   8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS    IN FILE    9, RECORDS   154 TO   161 INCLUSIVE
   1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                     IN FILE    9, RECORDS   162 TO   162 INCLUSIVE
   8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS    IN FILE    9, RECORDS   163 TO   170 INCLUSIVE
   1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                     IN FILE    9, RECORDS   171 TO   171 INCLUSIVE
   8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS    IN FILE    9, RECORDS   172 TO   179 INCLUSIVE
   1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                     IN FILE    9, RECORDS   180 TO   180 INCLUSIVE
   8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS    IN FILE    9, RECORDS   181 TO   188 INCLUSIVE
   1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                     IN FILE    9, RECORDS   189 TO   189 INCLUSIVE
   8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS    IN FILE    9, RECORDS   190 TO   197 INCLUSIVE
   1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                     IN FILE    9, RECORDS   198 TO   198 INCLUSIVE
   8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS    IN FILE    9, RECORDS   199 TO   206 INCLUSIVE
   1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                     IN FILE    9, RECORDS   207 TO   207 INCLUSIVE
   8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS    IN FILE    9, RECORDS   208 TO   215 INCLUSIVE
   1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                     IN FILE    9, RECORDS   216 TO   216 INCLUSIVE
   8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS    IN FILE    9, RECORDS   217 TO   224 INCLUSIVE
   1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                     IN FILE    9, RECORDS   225 TO   225 INCLUSIVE
   8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS    IN FILE    9, RECORDS   226 TO   233 INCLUSIVE
   1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                     IN FILE    9, RECORDS   234 TO   234 INCLUSIVE
   8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS    IN FILE    9, RECORDS   235 TO   242 INCLUSIVE
   1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                     IN FILE    9, RECORDS   243 TO   243 INCLUSIVE
   8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS    IN FILE    9, RECORDS   244 TO   251 INCLUSIVE
   1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                     IN FILE    9, RECORDS   252 TO   252 INCLUSIVE
   8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS    IN FILE    9, RECORDS   253 TO   260 INCLUSIVE
   1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                     IN FILE    9, RECORDS   261 TO   261 INCLUSIVE
   8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS    IN FILE    9, RECORDS   262 TO   269 INCLUSIVE
   1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                     IN FILE    9, RECORDS   270 TO   270 INCLUSIVE
   8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS    IN FILE    9, RECORDS   271 TO   278 INCLUSIVE
   1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                     IN FILE    9, RECORDS   279 TO   279 INCLUSIVE
   8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS    IN FILE    9, RECORDS   280 TO   287 INCLUSIVE
   1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                     IN FILE    9, RECORDS   288 TO   288 INCLUSIVE
   8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS    IN FILE    9, RECORDS   289 TO   296 INCLUSIVE
   1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                     IN FILE    9, RECORDS   297 TO   297 INCLUSIVE
   8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS    IN FILE    9, RECORDS   298 TO   305 INCLUSIVE
   1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                     IN FILE    9, RECORDS   306 TO   306 INCLUSIVE
   8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS    IN FILE    9, RECORDS   307 TO   314 INCLUSIVE
   1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                     IN FILE    9, RECORDS   315 TO   315 INCLUSIVE
   8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS    IN FILE    9, RECORDS   316 TO   323 INCLUSIVE
   1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                     IN FILE    9, RECORDS   324 TO   324 INCLUSIVE
   8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS    IN FILE    9, RECORDS   325 TO   332 INCLUSIVE
   1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                     IN FILE    9, RECORDS   333 TO   333 INCLUSIVE
   8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS    IN FILE    9, RECORDS   334 TO   341 INCLUSIVE
   1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                     IN FILE    9, RECORDS   342 TO   342 INCLUSIVE
   8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS    IN FILE    9, RECORDS   343 TO   350 INCLUSIVE
   1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                     IN FILE    9, RECORDS   351 TO   351 INCLUSIVE
   8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS    IN FILE    9, RECORDS   352 TO   359 INCLUSIVE
   1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                     IN FILE    9, RECORDS   360 TO   360 INCLUSIVE
   8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS    IN FILE    9, RECORDS   361 TO   368 INCLUSIVE
   1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                     IN FILE    9, RECORDS   369 TO   369 INCLUSIVE

 SUMMARY
   369 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                  TO 0463 WORDS AND 5 CHARACTERS
   THE ABOVE INCLUDES                                            328 N.I.N(W) RECORDS
 IN FILE    9, RECORDS     1 TO   369 INCLUSIVE
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END-OF-FILE 9

BEGIN FILE 10

8	GOOD	BINARY	RECORDS	OF LENGTH 0463	WORDS AND 5 CHARACTERS	IN FILE	10,	RECORDS	1 TO 8 INCLUSIVE
1	GOOD	BINARY	RECORDS	OF LENGTH 0016	WORDS	IN FILE	10,	RECORDS	9 TO 9 INCLUSIVE
8	GOOD	BINARY	RECORDS	OF LENGTH 0463	WORDS AND 5 CHARACTERS	IN FILE	10,	RECORDS	10 TO 17 INCLUSIVE
1	GOOD	BINARY	RECORDS	OF LENGTH 0016	WORDS	IN FILE	10,	RECORDS	18 TO 18 INCLUSIVE
8	GOOD	BINARY	RECORDS	OF LENGTH 0463	WORDS AND 5 CHARACTERS	IN FILE	10,	RECORDS	19 TO 26 INCLUSIVE
1	GOOD	BINARY	RECORDS	OF LENGTH 0016	WORDS	IN FILE	10,	RECORDS	27 TO 27 INCLUSIVE
8	GOOD	BINARY	RECORDS	OF LENGTH 0463	WORDS AND 5 CHARACTERS	IN FILE	10,	RECORDS	28 TO 35 INCLUSIVE
1	GOOD	BINARY	RECORDS	OF LENGTH 0016	WORDS	IN FILE	10,	RECORDS	36 TO 36 INCLUSIVE
8	GOOD	BINARY	RECORDS	OF LENGTH 0463	WORDS AND 5 CHARACTERS	IN FILE	10,	RECORDS	37 TO 44 INCLUSIVE
1	GOOD	BINARY	RECORDS	OF LENGTH 0016	WORDS	IN FILE	10,	RECORDS	45 TO 45 INCLUSIVE
8	GOOD	BINARY	RECORDS	OF LENGTH 0463	WORDS AND 5 CHARACTERS	IN FILE	10,	RECORDS	46 TO 53 INCLUSIVE
1	GOOD	BINARY	RECORDS	OF LENGTH 0016	WORDS	IN FILE	10,	RECORDS	54 TO 54 INCLUSIVE
8	GOOD	BINARY	RECORDS	OF LENGTH 0463	WORDS AND 5 CHARACTERS	IN FILE	10,	RECORDS	55 TO 62 INCLUSIVE
1	GOOD	BINARY	RECORDS	OF LENGTH 0016	WORDS	IN FILE	10,	RECORDS	63 TO 63 INCLUSIVE
8	GOOD	BINARY	RECORDS	OF LENGTH 0463	WORDS AND 5 CHARACTERS	IN FILE	10,	RECORDS	64 TO 71 INCLUSIVE
1	GOOD	BINARY	RECORDS	OF LENGTH 0016	WORDS	IN FILE	10,	RECORDS	72 TO 72 INCLUSIVE
8	GOOD	BINARY	RECORDS	OF LENGTH 0463	WORDS AND 5 CHARACTERS	IN FILE	10,	RECORDS	73 TO 80 INCLUSIVE
1	GOOD	BINARY	RECORDS	OF LENGTH 0016	WORDS	IN FILE	10,	RECORDS	81 TO 81 INCLUSIVE
8	GOOD	BINARY	RECORDS	OF LENGTH 0463	WORDS AND 5 CHARACTERS	IN FILE	10,	RECORDS	82 TO 89 INCLUSIVE
1	GOOD	BINARY	RECORDS	OF LENGTH 0016	WORDS	IN FILE	10,	RECORDS	90 TO 90 INCLUSIVE
8	GOOD	BINARY	RECORDS	OF LENGTH 0463	WORDS AND 5 CHARACTERS	IN FILE	10,	RECORDS	91 TO 98 INCLUSIVE
1	GOOD	BINARY	RECORDS	OF LENGTH 0016	WORDS	IN FILE	10,	RECORDS	99 TO 99 INCLUSIVE
8	GOOD	BINARY	RECORDS	OF LENGTH 0463	WORDS AND 5 CHARACTERS	IN FILE	10,	RECORDS	100 TO 107 INCLUSIVE
1	GOOD	BINARY	RECORDS	OF LENGTH 0016	WORDS	IN FILE	10,	RECORDS	108 TO 108 INCLUSIVE
8	GOOD	BINARY	RECORDS	OF LENGTH 0463	WORDS AND 5 CHARACTERS	IN FILE	10,	RECORDS	109 TO 116 INCLUSIVE
1	GOOD	BINARY	RECORDS	OF LENGTH 0016	WORDS	IN FILE	10,	RECORDS	117 TO 117 INCLUSIVE
8	GOOD	BINARY	RECORDS	OF LENGTH 0463	WORDS AND 5 CHARACTERS	IN FILE	10,	RECORDS	118 TO 125 INCLUSIVE
1	GOOD	BINARY	RECORDS	OF LENGTH 0016	WORDS	IN FILE	10,	RECORDS	126 TO 126 INCLUSIVE
8	GOOD	BINARY	RECORDS	OF LENGTH 0463	WORDS AND 5 CHARACTERS	IN FILE	10,	RECORDS	127 TO 134 INCLUSIVE
1	GOOD	BINARY	RECORDS	OF LENGTH 0016	WORDS	IN FILE	10,	RECORDS	135 TO 135 INCLUSIVE
8	GOOD	BINARY	RECORDS	OF LENGTH 0463	WORDS AND 5 CHARACTERS	IN FILE	10,	RECORDS	136 TO 143 INCLUSIVE
1	GOOD	BINARY	RECORDS	OF LENGTH 0016	WORDS	IN FILE	10,	RECORDS	144 TO 144 INCLUSIVE
8	GOOD	BINARY	RECORDS	OF LENGTH 0463	WORDS AND 5 CHARACTERS	IN FILE	10,	RECORDS	145 TO 152 INCLUSIVE
1	GOOD	BINARY	RECORDS	OF LENGTH 0016	WORDS	IN FILE	10,	RECORDS	153 TO 153 INCLUSIVE
8	GOOD	BINARY	RECORDS	OF LENGTH 0463	WORDS AND 5 CHARACTERS	IN FILE	10,	RECORDS	154 TO 161 INCLUSIVE
1	GOOD	BINARY	RECORDS	OF LENGTH 0016	WORDS	IN FILE	10,	RECORDS	162 TO 162 INCLUSIVE
8	GOOD	BINARY	RECORDS	OF LENGTH 0463	WORDS AND 5 CHARACTERS	IN FILE	10,	RECORDS	163 TO 170 INCLUSIVE
1	GOOD	BINARY	RECORDS	OF LENGTH 0016	WORDS	IN FILE	10,	RECORDS	171 TO 171 INCLUSIVE
8	GOOD	BINARY	RECORDS	OF LENGTH 0463	WORDS AND 5 CHARACTERS	IN FILE	10,	RECORDS	172 TO 179 INCLUSIVE
1	GOOD	BINARY	RECORDS	OF LENGTH 0016	WORDS	IN FILE	10,	RECORDS	180 TO 180 INCLUSIVE
8	GOOD	BINARY	RECORDS	OF LENGTH 0463	WORDS AND 5 CHARACTERS	IN FILE	10,	RECORDS	181 TO 188 INCLUSIVE
1	GOOD	BINARY	RECORDS	OF LENGTH 0016	WORDS	IN FILE	10,	RECORDS	189 TO 189 INCLUSIVE
8	GOOD	BINARY	RECORDS	OF LENGTH 0463	WORDS AND 5 CHARACTERS	IN FILE	10,	RECORDS	190 TO 197 INCLUSIVE
1	GOOD	BINARY	RECORDS	OF LENGTH 0016	WORDS	IN FILE	10,	RECORDS	198 TO 198 INCLUSIVE
8	GOOD	BINARY	RECORDS	OF LENGTH 0463	WORDS AND 5 CHARACTERS	IN FILE	10,	RECORDS	199 TO 206 INCLUSIVE
1	GOOD	BINARY	RECORDS	OF LENGTH 0016	WORDS	IN FILE	10,	RECORDS	207 TO 207 INCLUSIVE
8	GOOD	BINARY	RECORDS	OF LENGTH 0463	WORDS AND 5 CHARACTERS	IN FILE	10,	RECORDS	208 TO 215 INCLUSIVE
1	GOOD	BINARY	RECORDS	OF LENGTH 0016	WORDS	IN FILE	10,	RECORDS	216 TO 216 INCLUSIVE
8	GOOD	BINARY	RECORDS	OF LENGTH 0463	WORDS AND 5 CHARACTERS	IN FILE	10,	RECORDS	217 TO 224 INCLUSIVE
1	GOOD	BINARY	RECORDS	OF LENGTH 0016	WORDS	IN FILE	10,	RECORDS	225 TO 225 INCLUSIVE
8	GOOD	BINARY	RECORDS	OF LENGTH 0463	WORDS AND 5 CHARACTERS	IN FILE	10,	RECORDS	226 TO 233 INCLUSIVE
1	GOOD	BINARY	RECORDS	OF LENGTH 0016	WORDS	IN FILE	10,	RECORDS	234 TO 234 INCLUSIVE
8	GOOD	BINARY	RECORDS	OF LENGTH 0463	WORDS AND 5 CHARACTERS	IN FILE	10,	RECORDS	235 TO 242 INCLUSIVE
1	GOOD	BINARY	RECORDS	OF LENGTH 0016	WORDS	IN FILE	10,	RECORDS	243 TO 243 INCLUSIVE
8	GOOD	BINARY	RECORDS	OF LENGTH 0463	WORDS AND 5 CHARACTERS	IN FILE	10,	RECORDS	244 TO 251 INCLUSIVE
1	GOOD	BINARY	RECORDS	OF LENGTH 0016	WORDS	IN FILE	10,	RECORDS	252 TO 252 INCLUSIVE

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     8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS      IN FILE   10, RECORDS   253 TO   260 INCLUSIVE
     1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                       IN FILE   10, RECORDS   261 TO   261 INCLUSIVE
     8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS      IN FILE   10, RECORDS   262 TO   269 INCLUSIVE
     1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                       IN FILE   10, RECORDS   270 TO   270 INCLUSIVE
     8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS      IN FILE   10, RECORDS   271 TO   278 INCLUSIVE
     1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                       IN FILE   10, RECORDS   279 TO   279 INCLUSIVE
     8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS      IN FILE   10, RECORDS   280 TO   287 INCLUSIVE
     1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                       IN FILE   10, RECORDS   288 TO   288 INCLUSIVE
     8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS      IN FILE   10, RECORDS   289 TO   296 INCLUSIVE
     1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                       IN FILE   10, RECORDS   297 TO   297 INCLUSIVE
     8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS      IN FILE   10, RECORDS   298 TO   305 INCLUSIVE
     1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                       IN FILE   10, RECORDS   306 TO   306 INCLUSIVE
     8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS      IN FILE   10, RECORDS   307 TO   314 INCLUSIVE
     1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                       IN FILE   10, RECORDS   315 TO   315 INCLUSIVE
     8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS      IN FILE   10, RECORDS   316 TO   323 INCLUSIVE
     1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                       IN FILE   10, RECORDS   324 TO   324 INCLUSIVE
     8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS      IN FILE   10, RECORDS   325 TO   332 INCLUSIVE
     1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                       IN FILE   10, RECORDS   333 TO   333 INCLUSIVE
     8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS      IN FILE   10, RECORDS   334 TO   341 INCLUSIVE
     1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                       IN FILE   10, RECORDS   342 TO   342 INCLUSIVE
     8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS      IN FILE   10, RECORDS   343 TO   350 INCLUSIVE
     1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                       IN FILE   10, RECORDS   351 TO   351 INCLUSIVE
     8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS      IN FILE   10, RECORDS   352 TO   359 INCLUSIVE
     1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                       IN FILE   10, RECORDS   360 TO   360 INCLUSIVE
     8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS      IN FILE   10, RECORDS   361 TO   368 INCLUSIVE
     1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                       IN FILE   10, RECORDS   369 TO   369 INCLUSIVE

SUMMARY
   369 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                  TO 0463 WORDS AND 5 CHARACTERS
   THE ABOVE INCLUDES                                            328 N.I.N(W) RECORDS
IN FILE   10, RECORDS     1 TO   369 INCLUSIVE

END-OF-FILE   10


BEGIN FILE   11
     8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS      IN FILE   11, RECORDS     1 TO     8 INCLUSIVE
     1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                       IN FILE   11, RECORDS     9 TO     9 INCLUSIVE
     8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS      IN FILE   11, RECORDS    10 TO    17 INCLUSIVE
     1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                       IN FILE   11, RECORDS    18 TO    18 INCLUSIVE
     8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS      IN FILE   11, RECORDS    19 TO    26 INCLUSIVE
     1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                       IN FILE   11, RECORDS    27 TO    27 INCLUSIVE
     8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS      IN FILE   11, RECORDS    28 TO    35 INCLUSIVE
     1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                       IN FILE   11, RECORDS    36 TO    36 INCLUSIVE
     8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS      IN FILE   11, RECORDS    37 TO    44 INCLUSIVE
     1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                       IN FILE   11, RECORDS    45 TO    45 INCLUSIVE
     8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS      IN FILE   11, RECORDS    46 TO    53 INCLUSIVE
     1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                       IN FILE   11, RECORDS    54 TO    54 INCLUSIVE
     8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS      IN FILE   11, RECORDS    55 TO    62 INCLUSIVE
     1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                       IN FILE   11, RECORDS    63 TO    63 INCLUSIVE
     8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS      IN FILE   11, RECORDS    64 TO    71 INCLUSIVE
     1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                       IN FILE   11, RECORDS    72 TO    72 INCLUSIVE
     8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS      IN FILE   11, RECORDS    73 TO    80 INCLUSIVE
     1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                       IN FILE   11, RECORDS    81 TO    81 INCLUSIVE
     8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS      IN FILE   11, RECORDS    82 TO    89 INCLUSIVE
     1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                       IN FILE   11, RECORDS    90 TO    90 INCLUSIVE
     8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS      IN FILE   11, RECORDS    91 TO    98 INCLUSIVE
     1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                       IN FILE   11, RECORDS    99 TO    99 INCLUSIVE
     8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS      IN FILE   11, RECORDS   100 TO   107 INCLUSIVE
     1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                       IN FILE   11, RECORDS   108 TO   108 INCLUSIVE
     8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS      IN FILE   11, RECORDS   109 TO   116 INCLUSIVE
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1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS IN FILE 11, RECORDS 117 TO 117 INCLUSIVE
8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS IN FILE 11, RECORDS 118 TO 125 INCLUSIVE
1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS IN FILE 11, RECORDS 126 TO 126 INCLUSIVE
8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS IN FILE 11, RECORDS 127 TO 134 INCLUSIVE
1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS IN FILE 11, RECORDS 135 TO 135 INCLUSIVE
8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS IN FILE 11, RECORDS 136 TO 143 INCLUSIVE
1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS IN FILE 11, RECORDS 144 TO 144 INCLUSIVE
8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS IN FILE 11, RECORDS 145 TO 152 INCLUSIVE
1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS IN FILE 11, RECORDS 153 TO 153 INCLUSIVE
8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS IN FILE 11, RECORDS 154 TO 161 INCLUSIVE
1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS IN FILE 11, RECORDS 162 TO 162 INCLUSIVE
8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS IN FILE 11, RECORDS 163 TO 170 INCLUSIVE
1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS IN FILE 11, RECORDS 171 TO 171 INCLUSIVE
8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS IN FILE 11, RECORDS 172 TO 179 INCLUSIVE
1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS IN FILE 11, RECORDS 180 TO 180 INCLUSIVE
8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS IN FILE 11, RECORDS 181 TO 188 INCLUSIVE
1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS IN FILE 11, RECORDS 189 TO 189 INCLUSIVE
8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS IN FILE 11, RECORDS 190 TO 197 INCLUSIVE
1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS IN FILE 11, RECORDS 198 TO 198 INCLUSIVE
8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS IN FILE 11, RECORDS 199 TO 206 INCLUSIVE
1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS IN FILE 11, RECORDS 207 TO 207 INCLUSIVE
8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS IN FILE 11, RECORDS 208 TO 215 INCLUSIVE
1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS IN FILE 11, RECORDS 216 TO 216 INCLUSIVE
8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS IN FILE 11, RECORDS 217 TO 224 INCLUSIVE
1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS IN FILE 11, RECORDS 225 TO 225 INCLUSIVE
8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS IN FILE 11, RECORDS 226 TO 233 INCLUSIVE
1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS IN FILE 11, RECORDS 234 TO 234 INCLUSIVE
8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS IN FILE 11, RECORDS 235 TO 242 INCLUSIVE
1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS IN FILE 11, RECORDS 243 TO 243 INCLUSIVE
8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS IN FILE 11, RECORDS 244 TO 251 INCLUSIVE
1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS IN FILE 11, RECORDS 252 TO 252 INCLUSIVE
8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS IN FILE 11, RECORDS 253 TO 260 INCLUSIVE
1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS IN FILE 11, RECORDS 261 TO 261 INCLUSIVE
8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS IN FILE 11, RECORDS 262 TO 269 INCLUSIVE
1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS IN FILE 11, RECORDS 270 TO 270 INCLUSIVE
8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS IN FILE 11, RECORDS 271 TO 278 INCLUSIVE
1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS IN FILE 11, RECORDS 279 TO 279 INCLUSIVE
8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS IN FILE 11, RECORDS 280 TO 287 INCLUSIVE
1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS IN FILE 11, RECORDS 288 TO 288 INCLUSIVE
8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS IN FILE 11, RECORDS 289 TO 296 INCLUSIVE
1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS IN FILE 11, RECORDS 297 TO 297 INCLUSIVE
8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS IN FILE 11, RECORDS 298 TO 305 INCLUSIVE
1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS IN FILE 11, RECORDS 306 TO 306 INCLUSIVE
8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS IN FILE 11, RECORDS 307 TO 314 INCLUSIVE
1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS IN FILE 11, RECORDS 315 TO 315 INCLUSIVE
8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS IN FILE 11, RECORDS 316 TO 323 INCLUSIVE
1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS IN FILE 11, RECORDS 324 TO 324 INCLUSIVE
8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS IN FILE 11, RECORDS 325 TO 332 INCLUSIVE
1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS IN FILE 11, RECORDS 333 TO 333 INCLUSIVE
8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS IN FILE 11, RECORDS 334 TO 341 INCLUSIVE
1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS IN FILE 11, RECORDS 342 TO 342 INCLUSIVE
8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS IN FILE 11, RECORDS 343 TO 350 INCLUSIVE
1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS IN FILE 11, RECORDS 351 TO 351 INCLUSIVE
8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS IN FILE 11, RECORDS 352 TO 359 INCLUSIVE
1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS IN FILE 11, RECORDS 360 TO 360 INCLUSIVE
8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS IN FILE 11, RECORDS 361 TO 368 INCLUSIVE
1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS IN FILE 11, RECORDS 369 TO 369 INCLUSIVE

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SUMMARY
  369 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                    TO 0463 WORDS AND 5 CHARACTERS
  THE ABOVE INCLUDES                                              328 N.I.N(W) RECORDS
IN FILE   11, RECORDS     1 TO   369 INCLUSIVE

END-OF-FILE   11

BEGIN FILE   12
    8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS    IN FILE   12, RECORDS     1 TO     8 INCLUSIVE
    1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                     IN FILE   12, RECORDS     9 TO     9 INCLUSIVE
    8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS    IN FILE   12, RECORDS    10 TO    17 INCLUSIVE
    1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                     IN FILE   12, RECORDS    18 TO    18 INCLUSIVE
    8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS    IN FILE   12, RECORDS    19 TO    26 INCLUSIVE
    1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                     IN FILE   12, RECORDS    27 TO    27 INCLUSIVE
    8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS    IN FILE   12, RECORDS    28 TO    35 INCLUSIVE
    1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                     IN FILE   12, RECORDS    36 TO    36 INCLUSIVE
    8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS    IN FILE   12, RECORDS    37 TO    44 INCLUSIVE
    1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                     IN FILE   12, RECORDS    45 TO    45 INCLUSIVE
    8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS    IN FILE   12, RECORDS    46 TO    53 INCLUSIVE
    1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                     IN FILE   12, RECORDS    54 TO    54 INCLUSIVE
    8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS    IN FILE   12, RECORDS    55 TO    62 INCLUSIVE
    1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                     IN FILE   12, RECORDS    63 TO    63 INCLUSIVE
    8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS    IN FILE   12, RECORDS    64 TO    71 INCLUSIVE
    1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                     IN FILE   12, RECORDS    72 TO    72 INCLUSIVE
    8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS    IN FILE   12, RECORDS    73 TO    80 INCLUSIVE
    1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                     IN FILE   12, RECORDS    81 TO    81 INCLUSIVE
    8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS    IN FILE   12, RECORDS    82 TO    89 INCLUSIVE
    1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                     IN FILE   12, RECORDS    90 TO    90 INCLUSIVE
    8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS    IN FILE   12, RECORDS    91 TO    98 INCLUSIVE
    1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                     IN FILE   12, RECORDS    99 TO    99 INCLUSIVE
    8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS    IN FILE   12, RECORDS   100 TO   107 INCLUSIVE
    1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                     IN FILE   12, RECORDS   108 TO   108 INCLUSIVE
    8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS    IN FILE   12, RECORDS   109 TO   116 INCLUSIVE
    1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                     IN FILE   12, RECORDS   117 TO   117 INCLUSIVE
    8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS    IN FILE   12, RECORDS   118 TO   125 INCLUSIVE
    1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                     IN FILE   12, RECORDS   126 TO   126 INCLUSIVE
    8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS    IN FILE   12, RECORDS   127 TO   134 INCLUSIVE
    1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                     IN FILE   12, RECORDS   135 TO   135 INCLUSIVE
    8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS    IN FILE   12, RECORDS   136 TO   143 INCLUSIVE
    1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                     IN FILE   12, RECORDS   144 TO   144 INCLUSIVE
    8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS    IN FILE   12, RECORDS   145 TO   152 INCLUSIVE
    1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                     IN FILE   12, RECORDS   153 TO   153 INCLUSIVE
    8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS    IN FILE   12, RECORDS   154 TO   161 INCLUSIVE
    1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                     IN FILE   12, RECORDS   162 TO   162 INCLUSIVE
    8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS    IN FILE   12, RECORDS   163 TO   170 INCLUSIVE
    1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                     IN FILE   12, RECORDS   171 TO   171 INCLUSIVE
    8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS    IN FILE   12, RECORDS   172 TO   179 INCLUSIVE
    1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                     IN FILE   12, RECORDS   180 TO   180 INCLUSIVE
    8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS    IN FILE   12, RECORDS   181 TO   188 INCLUSIVE
    1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                     IN FILE   12, RECORDS   189 TO   189 INCLUSIVE
    8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS    IN FILE   12, RECORDS   190 TO   197 INCLUSIVE
    1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                     IN FILE   12, RECORDS   198 TO   198 INCLUSIVE
    8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS    IN FILE   12, RECORDS   199 TO   206 INCLUSIVE
    1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                     IN FILE   12, RECORDS   207 TO   207 INCLUSIVE
    8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS    IN FILE   12, RECORDS   208 TO   215 INCLUSIVE
    1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                     IN FILE   12, RECORDS   216 TO   216 INCLUSIVE
    8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS    IN FILE   12, RECORDS   217 TO   224 INCLUSIVE
    1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                     IN FILE   12, RECORDS   225 TO   225 INCLUSIVE
    8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS    IN FILE   12, RECORDS   226 TO   233 INCLUSIVE
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     1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                    IN FILE   12, RECORDS   234 TO   234 INCLUSIVE
     8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS   IN FILE   12, RECORDS   235 TO   242 INCLUSIVE
     1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                    IN FILE   12, RECORDS   243 TO   243 INCLUSIVE
     8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS   IN FILE   12, RECORDS   244 TO   251 INCLUSIVE
     1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                    IN FILE   12, RECORDS   252 TO   252 INCLUSIVE
     8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS   IN FILE   12, RECORDS   253 TO   260 INCLUSIVE
     1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                    IN FILE   12, RECORDS   261 TO   261 INCLUSIVE
     8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS   IN FILE   12, RECORDS   262 TO   269 INCLUSIVE
     1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                    IN FILE   12, RECORDS   270 TO   270 INCLUSIVE
     8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS   IN FILE   12, RECORDS   271 TO   278 INCLUSIVE
     1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                    IN FILE   12, RECORDS   279 TO   279 INCLUSIVE
     8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS   IN FILE   12, RECORDS   280 TO   287 INCLUSIVE
     1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                    IN FILE   12, RECORDS   288 TO   288 INCLUSIVE
     8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS   IN FILE   12, RECORDS   289 TO   296 INCLUSIVE
     1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                    IN FILE   12, RECORDS   297 TO   297 INCLUSIVE
     8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS   IN FILE   12, RECORDS   298 TO   305 INCLUSIVE
     1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                    IN FILE   12, RECORDS   306 TO   306 INCLUSIVE
     8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS   IN FILE   12, RECORDS   307 TO   314 INCLUSIVE
     1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                    IN FILE   12, RECORDS   315 TO   315 INCLUSIVE
     8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS   IN FILE   12, RECORDS   316 TO   323 INCLUSIVE
     1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                    IN FILE   12, RECORDS   324 TO   324 INCLUSIVE
     8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS   IN FILE   12, RECORDS   325 TO   332 INCLUSIVE
     1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                    IN FILE   12, RECORDS   333 TO   333 INCLUSIVE
     8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS   IN FILE   12, RECORDS   334 TO   341 INCLUSIVE
     1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                    IN FILE   12, RECORDS   342 TO   342 INCLUSIVE
     8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS   IN FILE   12, RECORDS   343 TO   350 INCLUSIVE
     1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                    IN FILE   12, RECORDS   351 TO   351 INCLUSIVE
     8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS   IN FILE   12, RECORDS   352 TO   359 INCLUSIVE
     1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                    IN FILE   12, RECORDS   360 TO   360 INCLUSIVE
     8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS   IN FILE   12, RECORDS   361 TO   368 INCLUSIVE
     1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                    IN FILE   12, RECORDS   369 TO   369 INCLUSIVE

SUMMARY
   369 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                    TO 0463 WORDS AND 5 CHARACTERS
   THE ABOVE INCLUDES                                              328 N.I.N(W) RECORDS
IN FILE   12, RECORDS     1 TO   369 INCLUSIVE

END-OF-FILE   12


BEGIN FILE   13
     8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS   IN FILE   13, RECORDS     1 TO     8 INCLUSIVE
     1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                    IN FILE   13, RECORDS     9 TO     9 INCLUSIVE
     8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS   IN FILE   13, RECORDS    10 TO    17 INCLUSIVE
     1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                    IN FILE   13, RECORDS    18 TO    18 INCLUSIVE
     8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS   IN FILE   13, RECORDS    19 TO    26 INCLUSIVE
     1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                    IN FILE   13, RECORDS    27 TO    27 INCLUSIVE
     8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS   IN FILE   13, RECORDS    28 TO    35 INCLUSIVE
     1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                    IN FILE   13, RECORDS    36 TO    36 INCLUSIVE
     8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS   IN FILE   13, RECORDS    37 TO    44 INCLUSIVE
     1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                    IN FILE   13, RECORDS    45 TO    45 INCLUSIVE
     8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS   IN FILE   13, RECORDS    46 TO    53 INCLUSIVE
     1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                    IN FILE   13, RECORDS    54 TO    54 INCLUSIVE
     8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS   IN FILE   13, RECORDS    55 TO    62 INCLUSIVE
     1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                    IN FILE   13, RECORDS    63 TO    63 INCLUSIVE
     8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS   IN FILE   13, RECORDS    64 TO    71 INCLUSIVE
     1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                    IN FILE   13, RECORDS    72 TO    72 INCLUSIVE
     8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS   IN FILE   13, RECORDS    73 TO    80 INCLUSIVE
     1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                    IN FILE   13, RECORDS    81 TO    81 INCLUSIVE
     8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS   IN FILE   13, RECORDS    82 TO    89 INCLUSIVE
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     1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                    IN FILE   13, RECORDS    90 TO    90 INCLUSIVE
     8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS   IN FILE   13, RECORDS    91 TO    98 INCLUSIVE
     1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                    IN FILE   13, RECORDS    99 TO    99 INCLUSIVE
     8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS   IN FILE   13, RECORDS   100 TO   107 INCLUSIVE
     1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                    IN FILE   13, RECORDS   108 TO   108 INCLUSIVE
     8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS   IN FILE   13, RECORDS   109 TO   116 INCLUSIVE
     1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                    IN FILE   13, RECORDS   117 TO   117 INCLUSIVE
     8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS   IN FILE   13, RECORDS   118 TO   125 INCLUSIVE
     1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                    IN FILE   13, RECORDS   126 TO   126 INCLUSIVE
     8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS   IN FILE   13, RECORDS   127 TO   134 INCLUSIVE
     1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                    IN FILE   13, RECORDS   135 TO   135 INCLUSIVE
     8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS   IN FILE   13, RECORDS   136 TO   143 INCLUSIVE
     1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                    IN FILE   13, RECORDS   144 TO   144 INCLUSIVE
     8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS   IN FILE   13, RECORDS   145 TO   152 INCLUSIVE
     1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                    IN FILE   13, RECORDS   153 TO   153 INCLUSIVE
     8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS   IN FILE   13, RECORDS   154 TO   161 INCLUSIVE
     1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                    IN FILE   13, RECORDS   162 TO   162 INCLUSIVE
     8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS   IN FILE   13, RECORDS   163 TO   170 INCLUSIVE
     1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                    IN FILE   13, RECORDS   171 TO   171 INCLUSIVE
     8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS   IN FILE   13, RECORDS   172 TO   179 INCLUSIVE
     1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                    IN FILE   13, RECORDS   180 TO   180 INCLUSIVE
     8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS   IN FILE   13, RECORDS   181 TO   188 INCLUSIVE
     1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                    IN FILE   13, RECORDS   189 TO   189 INCLUSIVE
     8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS   IN FILE   13, RECORDS   190 TO   197 INCLUSIVE
     1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                    IN FILE   13, RECORDS   198 TO   198 INCLUSIVE
     8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS   IN FILE   13, RECORDS   199 TO   206 INCLUSIVE
     1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                    IN FILE   13, RECORDS   207 TO   207 INCLUSIVE
     8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS   IN FILE   13, RECORDS   208 TO   215 INCLUSIVE
     1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                    IN FILE   13, RECORDS   216 TO   216 INCLUSIVE
     8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS   IN FILE   13, RECORDS   217 TO   224 INCLUSIVE
     1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                    IN FILE   13, RECORDS   225 TO   225 INCLUSIVE
     8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS   IN FILE   13, RECORDS   226 TO   233 INCLUSIVE
     1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                    IN FILE   13, RECORDS   234 TO   234 INCLUSIVE
     8 GOOD BINARY RECORDS OF LENGTH 0463 WORDS AND 5 CHARACTERS   IN FILE   13, RECORDS   235 TO   242 INCLUSIVE
     1 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                    IN FILE   13, RECORDS   243 TO   243 INCLUSIVE

  SUMMARY
    243 GOOD BINARY RECORDS OF LENGTH 0016 WORDS                   TO 0463 WORDS AND 5 CHARACTERS
    THE ABOVE INCLUDES                                             216 N.I.N(W) RECORDS
  IN FILE   13, RECORDS     1 TO   243 INCLUSIVE

  END-OF-FILE   13


  BEGIN FILE   14

  END-OF-FILE   14

  EMPTY FILE - POSSIBLE END-OF-RUN


  BEGIN FILE   15

   FILE   15 RECORD     1 'NOISE' RECORD OF LENGTH              6 CHARACTERS
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SUMMARY
     1 'NOISE' RECORDS OF LENGTH                6 CHARACTERS
   THE ABOVE INCLUDES                                        1 N.I.N(W) RECORDS
  IN FILE    15, RECORDS      1 TO      1 INCLUSIVE

  END-OF-FILE   15


  BEGIN FILE    16

  END-OF-FILE   16

  EMPTY FILE - POSSIBLE END-OF-RUN


  BEGIN FILE    17
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Table 4. Tape Dump of First 10 Records[a]

(a) The computer listing has four words per line. Each word is written as 20 octal characters. The four characters on the far left of each page give the word count in decimal and the four characters to the right of this give the word count in octal.

FILE NO 1 RECORD NO 1 5120 CHARACTERS. BINARY

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0008	0010	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000
0012	0014	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000
0016	0020	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000
0020	0024	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000
0024	0030	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000
0028	0034	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000
0032	0040	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000
0036	0044	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000
0040	0050	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000
0044	0054	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000
0048	0060	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000
0052	0064	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000
0056	0070	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000
0060	0074	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000
0064	0100	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000
0068	0104	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000
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0076	0114	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000
0080	0120	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000
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0088	0130	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000
0092	0134	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000
0096	0140	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000
0100	0144	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000
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0108	0154	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000
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0116	0164	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000
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0140	0214	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000
0144	0220	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000
0148	0224	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000
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0156	0234	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000
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0188	0274	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000
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0224	0340	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000
0228	0344	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000
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0248	0370	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000
0252	0374	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000
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0264	0410	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000
0268	0414	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000
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0288	0440	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000
0292	0444	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000
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0308	0464	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000
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0332	0514	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000
0336	0520	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000
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0348	0534	00000	00000	00000	00000	00000	00000	00000	00001	00000	00000	00000	00002	00000	00000
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0376	0570	00000	00000	00000	00147	00000	00000	00000	00145	00000	00000	00000	00212	00000	00000
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0392	0610	00000	00000	00000	00330	00000	00000	00000	00273	00000	00000	00000	00332	00000	00000
0396	0614	00000	00000	00000	00362	00000	00000	00000	00362	00000	00000	00000	00360	00000	00000
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0404	0624	00000	00000	00000	00336	00000	00000	00000	00267	00000	00000	00000	00304	00000	00000
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0444	0674	00000	00000	00000	00060	00000	00000	00000	00103	00000	00000	00000	00106	00000	00000
0448	0700	00000	00000	00000	00101	00000	00000	00000	00126	00000	00000	00000	00101	00000	00000
0452	0704	00000	00000	00000	00076	00000	00000	00000	00065	00000	00000	00000	00076	00000	00000
0456	0710	00000	00000	00000	00065	00000	00000	00000	00063	00000	00000	00000	00101	00000	00000
0460	0714	00000	00000	00000	00055	00000	00000	00000	00116	00000	00000	00000	00076	00000	00000
0464	0720	00000	00000	00000	00077	00000	00000	00000	00076	00000	00000	00000	00075	00000	00000
0468	0724	00000	00000	00000	00075	00000	00000	00000	00050	00000	00000	00000	00050	00000	00000
0472	0730	00000	00000	00000	00037	00000	00000	00000	00035	00000	00000	00000	00047	00000	00000
0476	0734	00000	00000	00000	00041	00000	00000	00000	00050	00000	00000	00000	00035	00000	00000
0480	0740	00000	00000	00000	00046	00000	00000	00000	00051	00000	00000	00000	00041	00000	00000

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0484  0744   00000 00000 00000 00044   00000 00000 00000 00046   00000 00000 00000 00035   00000 00000 00000 00042
0488  0750   00000 00000 00000 00046   00000 00000 00000 00044   00000 00000 00000 00043   00000 00000 00000 00040
0492  0754   00000 00000 00000 00043   00000 00000 00000 00042   00000 00000 00000 00032   00000 00000 00000 00030
0496  0760   00000 00000 00000 00030   00000 00000 00000 00035   00000 00000 00000 00032   00000 00000 00000 00024
0500  0764   00000 00000 00000 00022   00000 00000 00000 00024   00000 00000 00000 00021   00000 00000 00000 00017
0504  0770   00000 00000 00000 00021   00000 00000 00000 00014   00000 00000 00000 00023   00000 00000 00000 00014
0508  0774   00000 00000 00000 00011   00000 00000 00000 00014   00000 00000 00000 00021   00000 00000 00000 00024
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FILE NO 1 RECORD NO 2 5120 CHARACTERS. BINARY

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0008  0010   00000 00000 00000 00016   00000 00000 00000 00013   00000 00000 00000 00020   00000 00000 00000 00024
0012  0014   00000 00000 00000 00017   00000 00000 00000 00021   00000 00000 00000 00024   00000 00000 00000 00015
0016  0020   00000 00000 00000 00015   00000 00000 00000 00016   00000 00000 00000 00014   00000 00000 00000 00011
0020  0024   00000 00000 00000 00013   00000 00000 00000 00013   00000 00000 00000 00015   00000 00000 00000 00017
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0028  0034   00000 00000 00000 00007   00000 00000 00000 00007   00000 00000 00000 00021   00000 00000 00000 00021
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FILE NO 1 RECORD NO 3 5120 CHARACTERS. BINARY

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0296	0450	00000	00000	00000	00020	00000	00000	00000	00012	00000	00000	00000	00023	00000	00000	00000	00011
0300	0454	00000	00000	00000	00012	00000	00000	00000	00020	00000	00000	00000	00012	00000	00000	00000	00013
0304	0460	00000	00000	00000	00012	00000	00000	00000	00015	00000	00000	00000	00016	00000	00000	00000	00016
0308	0464	00000	00000	00000	00012	00000	00000	00000	00012	00000	00000	00000	00015	00000	00000	00000	00022
0312	0470	00000	00000	00000	00015	00000	00000	00000	00023	00000	00000	00000	00022	00000	00000	00000	00016
0316	0474	00000	00000	00000	00014	00000	00000	00000	00015	00000	00000	00000	00022	00000	00000	00000	00015
0320	0500	00000	00000	00000	00022	00000	00000	00000	00016	00000	00000	00000	00021	00000	00000	00000	00012
0324	0504	00000	00000	00000	00020	00000	00000	00000	00015	00000	00000	00000	00015	00000	00000	00000	00013
0328	0510	00000	00000	00000	00014	00000	00000	00000	00017	00000	00000	00000	00015	00000	00000	00000	00015
0332	0514	00000	00000	00000	00016	00000	00000	00000	00017	00000	00000	00000	00010	00000	00000	00000	00022
0336	0520	00000	00000	00000	00013	00000	00000	00000	00013	00000	00000	00000	00015	00000	00000	00000	00015
0340	0524	00000	00000	00000	00015	00000	00000	00000	00014	00000	00000	00000	00011	00000	00000	00000	00017
0344	0530	00000	00000	00000	00020	00000	00000	00000	00014	00000	00000	00000	00020	00000	00000	00000	00020
0348	0534	00000	00000	00000	00012	00000	00000	00000	00014	00000	00000	00000	00007	00000	00000	00000	00015
0352	0540	00000	00000	00000	00012	00000	00000	00000	00015	00000	00000	00000	00012	00000	00000	00000	00011
0356	0544	00000	00000	00000	00016	00000	00000	00000	00012	00000	00000	00000	00015	00000	00000	00000	00017
0360	0550	00000	00000	00000	00017	00000	00000	00000	00017	00000	00000	00000	00004	00000	00000	00000	00013
0364	0554	00000	00000	00000	00023	00000	00000	00000	00012	00000	00000	00000	00020	00000	00000	00000	00020
0368	0560	00000	00000	00000	00013	00000	00000	00000	00020	00000	00000	00000	00014	00000	00000	00000	00013
0372	0564	00000	00000	00000	00016	00000	00000	00000	00017	00000	00000	00000	00013	00000	00000	00000	00011
0376	0570	00000	00000	00000	00013	00000	00000	00000	00006	00000	00000	00000	00011	00000	00000	00000	00012
0380	0574	00000	00000	00000	00013	00000	00000	00000	00016	00000	00000	00000	00012	00000	00000	00000	00007
0384	0600	00000	00000	00000	00020	00000	00000	00000	00021	00000	00000	00000	00023	00000	00000	00000	00030
0388	0604	00000	00000	00000	00017	00000	00000	00000	00022	00000	00000	00000	00017	00000	00000	00000	00021
0392	0610	00000	00000	00000	00023	00000	00000	00000	00022	00000	00000	00000	00031	00000	00000	00000	00027
0396	0614	00000	00000	00000	00024	00000	00000	00000	00014	00000	00000	00000	00021	00000	00000	00000	00021
0400	0620	00000	00000	00000	00020	00000	00000	00000	00013	00000	00000	00000	00021	00000	00000	00000	00013

0404 0624	00000 00000 00000 00012	00000 00000 00000 00011	00000 00000 00000 00015	00000 00000 00000 00007	
0408 0630	00000 00000 00000 00014	00000 00000 00000 00017	00000 00000 00000 00011	00000 00000 00000 00014	
0412 0634	00000 00000 00000 00017	00000 00000 00000 00013	00000 00000 00000 00007	00000 00000 00000 00021	
0416 0640	00000 00000 00000 00020	00000 00000 00000 00015	00000 00000 00000 00016	00000 00000 00000 00012	
0420 0644	00000 00000 00000 00007	00000 00000 00000 00012	00000 00000 00000 00013	00000 00000 00000 00013	
0424 0650	00000 00000 00000 00011	00000 00000 00000 00010	00000 00000 00000 00016	00000 00000 00000 00024	
0428 0654	00000 00000 00000 00012	00000 00000 00000 00012	00000 00000 00000 00020	00000 00000 00000 00012	
0432 0660	00000 00000 00000 00011	00000 00000 00000 00014	00000 00000 00000 00014	00000 00000 00000 00022	
0436 0664	00000 00000 00000 00020	00000 00000 00000 00012	00000 00000 00000 00012	00000 00000 00000 00015	
0440 0670	00000 00000 00000 00016	00000 00000 00000 00015	00000 00000 00000 00007	00000 00000 00000 00013	
0444 0674	00000 00000 00000 00010	00000 00000 00000 00014	00000 00000 00000 00007	00000 00000 00000 00012	
0448 0700	00000 00000 00000 00011	00000 00000 00000 00011	00000 00000 00000 00007	00000 00000 00000 00010	
0452 0704	00000 00000 00000 00011	00000 00000 00000 00007	00000 00000 00000 00010	00000 00000 00000 00006	
0456 0710	00000 00000 00000 00013	00000 00000 00000 00012	00000 00000 00000 00010	00000 00000 00000 00010	
0460 0714	00000 00000 00000 00017	00000 00000 00000 00015	00000 00000 00000 00011	00000 00000 00000 00007	
0464 0720	00000 00000 00000 00006	00000 00000 00000 00015	00000 00000 00000 00013	00000 00000 00000 00011	
0468 0724	00000 00000 00000 00011	00000 00000 00000 00006	00000 00000 00000 00011	00000 00000 00000 00012	
0472 0730	00000 00000 00000 00007	00000 00000 00000 00013	00000 00000 00000 00012	00000 00000 00000 00017	
0476 0734	00000 00000 00000 00020	00000 00000 00000 00007	00000 00000 00000 00010	00000 00000 00000 00013	
0480 0740	00000 00000 00000 00013	00000 00000 00000 00007	00000 00000 00000 00007	00000 00000 00000 00005	
0484 0744	00000 00000 00000 00015	00000 00000 00000 00014	00000 00000 00000 00016	00000 00000 00000 00007	
0488 0750	00000 00000 00000 00014	00000 00000 00000 00011	00000 00000 00000 00004	00000 00000 00000 00016	
0492 0754	00000 00000 00000 00020	00000 00000 00000 00006	00000 00000 00000 00012	00000 00000 00000 00011	
0496 0760	00000 00000 00000 00013	00000 00000 00000 00012	00000 00000 00000 00010	00000 00000 00000 00015	
0500 0764	00000 00000 00000 00010	00000 00000 00000 00012	00000 00000 00000 00010	00000 00000 00000 00010	
0504 0770	00000 00000 00000 00007	00000 00000 00000 00015	00000 00000 00000 00012	00000 00000 00000 00010	
0508 0774	00000 00000 00000 00007	00000 00000 00000 00015	00000 00000 00000 00015	00000 00000 00000 00014	

FILE NO 1 RECORD NO 4 5120 CHARACTERS. BINARY

0000 0000	00000 00000 00000 00013	00000 00000 00000 00012	00000 00000 00000 00006	00000 00000 00000 00006	
0004 0004	00000 00000 00000 00015	00000 00000 00000 00013	00000 00000 00000 00013	00000 00000 00000 00006	
0008 0010	00000 00000 00000 00014	00000 00000 00000 00016	00000 00000 00000 00011	00000 00000 00000 00010	
0012 0014	00000 00000 00000 00010	00000 00000 00000 00015	00000 00000 00000 00011	00000 00000 00000 00010	
0016 0020	00000 00000 00000 00011	00000 00000 00000 00007	00000 00000 00000 00012	00000 00000 00000 00004	
0020 0024	00000 00000 00000 00010	00000 00000 00000 00007	00000 00000 00000 00011	00000 00000 00000 00014	
0024 0030	00000 00000 00000 00011	00000 00000 00000 00015	00000 00000 00000 00020	00000 00000 00000 00010	
0028 0034	00000 00000 00000 00005	00000 00000 00000 00013	00000 00000 00000 00013	00000 00000 00000 00015	
0032 0040	00000 00000 00000 00015	00000 00000 00000 00013	00000 00000 00000 00016	00000 00000 00000 00016	
0036 0044	00000 00000 00000 00015	00000 00000 00000 00011	00000 00000 00000 00016	00000 00000 00000 00012	
0040 0050	00000 00000 00000 00021	00000 00000 00000 00016	00000 00000 00000 00021	00000 00000 00000 00025	
0044 0054	00000 00000 00000 00023	00000 00000 00000 00023	00000 00000 00000 00034	00000 00000 00000 00036	
0048 0060	00000 00000 00000 00031	00000 00000 00000 00031	00000 00000 00000 00040	00000 00000 00000 00031	
0052 0064	00000 00000 00000 00027	00000 00000 00000 00024	00000 00000 00000 00032	00000 00000 00000 00030	
0056 0070	00000 00000 00000 00025	00000 00000 00000 00017	00000 00000 00000 00020	00000 00000 00000 00022	
0060 0074	00000 00000 00000 00021	00000 00000 00000 00020	00000 00000 00000 00014	00000 00000 00000 00022	
0064 0100	00000 00000 00000 00020	00000 00000 00000 00016	00000 00000 00000 00016	00000 00000 00000 00013	
0068 0104	00000 00000 00000 00017	00000 00000 00000 00017	00000 00000 00000 00014	00000 00000 00000 00011	
0072 0110	00000 00000 00000 00014	00000 00000 00000 00017	00000 00000 00000 00014	00000 00000 00000 00014	
0076 0114	00000 00000 00000 00020	00000 00000 00000 00021	00000 00000 00000 00016	00000 00000 00000 00014	
0080 0120	00000 00000 00000 00022	00000 00000 00000 00014	00000 00000 00000 00021	00000 00000 00000 00022	
0084 0124	00000 00000 00000 00026	00000 00000 00000 00027	00000 00000 00000 00021	00000 00000 00000 00022	
0088 0130	00000 00000 00000 00022	00000 00000 00000 00027	00000 00000 00000 00025	00000 00000 00000 00025	
0092 0134	00000 00000 00000 00022	00000 00000 00000 00027	00000 00000 00000 00021	00000 00000 00000 00027	
0096 0140	00000 00000 00000 00021	00000 00000 00000 00031	00000 00000 00000 00017	00000 00000 00000 00033	
0100 0144	00000 00000 00000 00023	00000 00000 00000 00014	00000 00000 00000 00011	00000 00000 00000 00017	
0104 0150	00000 00000 00000 00011	00000 00000 00000 00013	00000 00000 00000 00016	00000 00000 00000 00010	
0108 0154	00000 00000 00000 00007	00000 00000 00000 00015	00000 00000 00000 00012	00000 00000 00000 00013	
0112 0160	00000 00000 00000 00010	00000 00000 00000 00016	00000 00000 00000 00013	00000 00000 00000 00010	

0116	0164	00000	00000	00000	00015	00000	00000	00000	00007	00000	00000	00000	00012	00000	00000	00000	00010
0120	0170	00000	00000	00000	00007	00000	00000	00000	00015	00000	00000	00000	00012	00000	00000	00000	00013
0124	0174	00000	00000	00000	00011	00000	00000	00000	00004	00000	00000	00000	00010	00000	00000	00000	00011
0128	0200	00000	00000	00000	00011	00000	00000	00000	00012	00000	00000	00000	00014	00000	00000	00000	00004
0132	0204	00000	00000	00000	00014	00000	00000	00000	00014	00000	00000	00000	00007	00000	00000	00000	00006
0136	0210	00000	00000	00000	00007	00000	00000	00000	00011	00000	00000	00000	00011	00000	00000	00000	00013
0140	0214	00000	00000	00000	00011	00000	00000	00000	00006	00000	00000	00000	00007	00000	00000	00000	00015
0144	0220	00000	00000	00000	00012	00000	00000	00000	00011	00000	00000	00000	00013	00000	00000	00000	00007
0148	0224	00000	00000	00000	00016	00000	00000	00000	00012	00000	00000	00000	00017	00000	00000	00000	00025
0152	0230	00000	00000	00000	00022	00000	00000	00000	00017	00000	00000	00000	00011	00000	00000	00000	00010
0156	0234	00000	00000	00000	00010	00000	00000	00000	00012	00000	00000	00000	00015	00000	00000	00000	00012
0160	0240	00000	00000	00000	00016	00000	00000	00000	00016	00000	00000	00000	00013	00000	00000	00000	00016
0164	0244	00000	00000	00000	00013	00000	00000	00000	00014	00000	00000	00000	00022	00000	00000	00000	00013
0168	0250	00000	00000	00000	00007	00000	00000	00000	00013	00000	00000	00000	00010	00000	00000	00000	00012
0172	0254	00000	00000	00000	00020	00000	00000	00000	00010	00000	00000	00000	00011	00000	00000	00000	00014
0176	0260	00000	00000	00000	00013	00000	00000	00000	00016	00000	00000	00000	00007	00000	00000	00000	00011
0180	0264	00000	00000	00000	00016	00000	00000	00000	00012	00000	00000	00000	00007	00000	00000	00000	00013
0184	0270	00000	00000	00000	00011	00000	00000	00000	00006	00000	00000	00000	00013	00000	00000	00000	00004
0188	0274	00000	00000	00000	00005	00000	00000	00000	00011	00000	00000	00000	00006	00000	00000	00000	00011
0192	0300	00000	00000	00000	00006	00000	00000	00000	00005	00000	00000	00000	00013	00000	00000	00000	00005
0196	0304	00000	00000	00000	00011	00000	00000	00000	00004	00000	00000	00000	00004	00000	00000	00000	00007
0200	0310	00000	00000	00000	00005	00000	00000	00000	00014	00000	00000	00000	00010	00000	00000	00000	00012
0204	0314	00000	00000	00000	00007	00000	00000	00000	00006	00000	00000	00000	00011	00000	00000	00000	00010
0208	0320	00000	00000	00000	00022	00000	00000	00000	00013	00000	00000	00000	00006	00000	00000	00000	00007
0212	0324	00000	00000	00000	00007	00000	00000	00000	00011	00000	00000	00000	00007	00000	00000	00000	00005
0216	0330	00000	00000	00000	00006	00000	00000	00000	00011	00000	00000	00000	00004	00000	00000	00000	00011
0220	0334	00000	00000	00000	00011	00000	00000	00000	00013	00000	00000	00000	00007	00000	00000	00000	00006
0224	0340	00000	00000	00000	00014	00000	00000	00000	00011	00000	00000	00000	00005	00000	00000	00000	00007
0228	0344	00000	00000	00000	00003	00000	00000	00000	00006	00000	00000	00000	00011	00000	00000	00000	00007
0232	0350	00000	00000	00000	00006	00000	00000	00000	00006	00000	00000	00000	00003	00000	00000	00000	00004
0236	0354	00000	00000	00000	00005	00000	00000	00000	00011	00000	00000	00000	00006	00000	00000	00000	00007
0240	0360	00000	00000	00000	00004	00000	00000	00000	00006	00000	00000	00000	00011	00000	00000	00000	00010
0244	0364	00000	00000	00000	00013	00000	00000	00000	00011	00000	00000	00000	00011	00000	00000	00000	00010
0248	0370	00000	00000	00000	00005	00000	00000	00000	00004	00000	00000	00000	00007	00000	00000	00000	00005
0252	0374	00000	00000	00000	00007	00000	00000	00000	00005	00000	00000	00000	00011	00000	00000	00000	00011
0256	0400	00000	00000	00000	00007	00000	00000	00000	00015	00000	00000	00000	00006	00000	00000	00000	00010
0260	0404	00000	00000	00000	00011	00000	00000	00000	00007	00000	00000	00000	00007	00000	00000	00000	00012
0264	0410	00000	00000	00000	00007	00000	00000	00000	00007	00000	00000	00000	00012	00000	00000	00000	00002
0268	0414	00000	00000	00000	00004	00000	00000	00000	00006	00000	00000	00000	00007	00000	00000	00000	00006
0272	0420	00000	00000	00000	00007	00000	00000	00000	00004	00000	00000	00000	00011	00000	00000	00000	00003
0276	0424	00000	00000	00000	00005	00000	00000	00000	00005	00000	00000	00000	00015	00000	00000	00000	00007
0280	0430	00000	00000	00000	00006	00000	00000	00000	00007	00000	00000	00000	00007	00000	00000	00000	00010
0284	0434	00000	00000	00000	00002	00000	00000	00000	00002	00000	00000	00000	00013	00000	00000	00000	00006
0288	0440	00000	00000	00000	00012	00000	00000	00000	00014	00000	00000	00000	00005	00000	00000	00000	00011
0292	0444	00000	00000	00000	00006	00000	00000	00000	00012	00000	00000	00000	00006	00000	00000	00000	00010
0296	0450	00000	00000	00000	00006	00000	00000	00000	00006	00000	00000	00000	00011	00000	00000	00000	00006
0300	0454	00000	00000	00000	00004	00000	00000	00000	00007	00000	00000	00000	00010	00000	00000	00000	00010
0304	0460	00000	00000	00000	00011	00000	00000	00000	00004	00000	00000	00000	00013	00000	00000	00000	00011
0308	0464	00000	00000	00000	00007	00000	00000	00000	00007	00000	00000	00000	00012	00000	00000	00000	00007
0312	0470	00000	00000	00000	00006	00000	00000	00000	00007	00000	00000	00000	00005	00000	00000	00000	00006
0316	0474	00000	00000	00000	00004	00000	00000	00000	00006	00000	00000	00000	00005	00000	00000	00000	00006
0320	0500	00000	00000	00000	00004	00000	00000	00000	00011	00000	00000	00000	00007	00000	00000	00000	00013
0324	0504	00000	00000	00000	00005	00000	00000	00000	00004	00000	00000	00000	00006	00000	00000	00000	00011
0328	0510	00000	00000	00000	00007	00000	00000	00000	00005	00000	00000	00000	00013	00000	00000	00000	00012
0332	0514	00000	00000	00000	00007	00000	00000	00000	00005	00000	00000	00000	00006	00000	00000	00000	00012
0336	0520	00000	00000	00000	00006	00000	00000	00000	00005	00000	00000	00000	00011	00000	00000	00000	00011
0340	0524	00000	00000	00000	00006	00000	00000	00000	00006	00000	00000	00000	00006	00000	00000	00000	00006
0344	0530	00000	00000	00000	00002	00000	00000	00000	00006	00000	00000	00000	00007	00000	00000	00000	00004
0348	0534	00000	00000	00000	00005	00000	00000	00000	00013	00000	00000	00000	00012	00000	00000	00000	00012
0352	0540	00000	00000	00000	00004	00000	00000	00000	00005	00000	00000	00000	00007	00000	00000	00000	00010
0356	0544	00000	00000	00000	00011	00000	00000	00000	00010	00000	00000	00000	00002	00000	00000	00000	00002
0360	0550	00000	00000	00000	00005	00000	00000	00000	00002	00000	00000	00000	00005	00000	00000	00000	00007

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0364  0554   00000 00000 00000 00012  00000 00000 00000 00005  00000 00000 00000 00010  00000 00000 00000 00005
0368  0560   00000 00000 00000 00010  00000 00000 00000 00012  00000 00000 00000 00006  00000 00000 00000 00012
0372  0564   00000 00000 00000 00005  00000 00000 00000 00011  00000 00000 00000 00006  00000 00000 00000 00003
0376  0570   00000 00000 00000 00006  00000 00000 00000 00006  00000 00000 00000 00011  00000 00000 00000 00007
0380  0574   00000 00000 00000 00003  00000 00000 00000 00004  00000 00000 00000 00004  00000 00000 00000 00010
0384  0600   00000 00000 00000 00007  00000 00000 00000 00006  00000 00000 00000 00007  00000 00000 00000 00006
0388  0604   00000 00000 00000 00007  00000 00000 00000 00005  00000 00000 00000 00006  00000 00000 00000 00007
0392  0610   00000 00000 00000 00010  00000 00000 00000 00003  00000 00000 00000 00002  00000 00000 00000 00002
0396  0614   00000 00000 00000 00010  00000 00000 00000 00006  00000 00000 00000 00007  00000 00000 00000 00005
0400  0620   00000 00000 00000 00002  00000 00000 00000 00007  00000 00000 00000 00010  00000 00000 00000 00010
0404  0624   00000 00000 00000 00012  00000 00000 00000 00007  00000 00000 00000 00011  00000 00000 00000 00007
0408  0630   00000 00000 00000 00011  00000 00000 00000 00005  00000 00000 00000 00010  00000 00000 00000 00006
0412  0634   00000 00000 00000 00012  00000 00000 00000 00005  00000 00000 00000 00006  00000 00000 00000 00011
0416  0640   00000 00000 00000 00013  00000 00000 00000 00007  00000 00000 00000 00006  00000 00000 00000 00005
0420  0644   00000 00000 00000 00005  00000 00000 00000 00003  00000 00000 00000 00006  00000 00000 00000 00006
0424  0650   00000 00000 00000 00004  00000 00000 00000 00006  00000 00000 00000 00005  00000 00000 00000 00006
0428  0654   00000 00000 00000 00005  00000 00000 00000 00005  00000 00000 00000 00003  00000 00000 00000 00007
0432  0660   00000 00000 00000 00004  00000 00000 00000 00005  00000 00000 00000 00007  00000 00000 00000 00005
0436  0664   00000 00000 00000 00003  00000 00000 00000 00005  00000 00000 00000 00004  00000 00000 00000 00007
0440  0670   00000 00000 00000 00006  00000 00000 00000 00007  00000 00000 00000 00007  00000 00000 00000 00012
0444  0674   00000 00000 00000 00011  00000 00000 00000 00015  00000 00000 00000 00007  00000 00000 00000 00006
0448  0700   00000 00000 00000 00011  00000 00000 00000 00007  00000 00000 00000 00012  00000 00000 00000 00014
0452  0704   00000 00000 00000 00013  00000 00000 00000 00010  00000 00000 00000 00004  00000 00000 00000 00007
0456  0710   00000 00000 00000 00006  00000 00000 00000 00006  00000 00000 00000 00007  00000 00000 00000 00010
0460  0714   00000 00000 00000 00010  00000 00000 00000 00005  00000 00000 00000 00007  00000 00000 00000 00011
0464  0720   00000 00000 00000 00004  00000 00000 00000 00010  00000 00000 00000 00012  00000 00000 00000 00012
0468  0724   00000 00000 00000 00006  00000 00000 00000 00010  00000 00000 00000 00010  00000 00000 00000 00007
0472  0730   00000 00000 00000 00005  00000 00000 00000 00002  00000 00000 00000 00005  00000 00000 00000 00006
0476  0734   00000 00000 00000 00004  00000 00000 00000 00007  00000 00000 00000 00010  00000 00000 00000 00002
0480  0740   00000 00000 00000 00003  00000 00000 00000 00005  00000 00000 00000 00007  00000 00000 00000 00005
0484  0744   00000 00000 00000 00007  00000 00000 00000 00006  00000 00000 00000 00006  00000 00000 00000 00006
0488  0750   00000 00000 00000 00005  00000 00000 00000 00006  00000 00000 00000 00004  00000 00000 00000 00004
0492  0754   00000 00000 00000 00012  00000 00000 00000 00003  00000 00000 00000 00001  00000 00000 00000 00004
0496  0760   00000 00000 00000 00012  00000 00000 00000 00010  00000 00000 00000 00004  00000 00000 00000 00007
0500  0764   00000 00000 00000 00006  00000 00000 00000 00005  00000 00000 00000 00007  00000 00000 00000 00006
0504  0770   00000 00000 00000 00001  00000 00000 00000 00002  00000 00000 00000 00007  00000 00000 00000 00004
0508  0774   00000 00000 00000 00003  00000 00000 00000 00006  00000 00000 00000 00007  00000 00000 00000 00007

FILE NO     1 RECORD NO      5   5120 CHARACTERS. BINARY

0000  0000   00000 00000 00000 00005  00000 00000 00000 00004  00000 00000 00000 00012  00000 00000 00000 00007
0004  0004   00000 00000 00000 00007  00000 00000 00000 00010  00000 00000 00000 00004  00000 00000 00000 00003
0008  0010   00000 00000 00000 00006  00000 00000 00000 00006  00000 00000 00000 00004  00000 00000 00000 00006
0012  0014   00000 00000 00000 00007  00000 00000 00000 00001  00000 00000 00000 00005  00000 00000 00000 00005
0016  0020   00000 00000 00000 00004  00000 00000 00000 00002  00000 00000 00000 00005  00000 00000 00000 00002
0020  0024   00000 00000 00000 00010  00000 00000 00000 00010  00000 00000 00000 00006  00000 00000 00000 00006
0024  0030   00000 00000 00000 00006  00000 00000 00000 00007  00000 00000 00000 00007  00000 00000 00000 00011
0028  0034   00000 00000 00000 00007  00000 00000 00000 00004  00000 00000 00000 00004  00000 00000 00000 00001
0032  0040   00000 00000 00000 00002  00000 00000 00000 00002  00000 00000 00000 00005  00000 00000 00000 00007
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FILE NO 1 RECORD NO 6 5120 CHARACTERS. BINARY

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FILE NO 1 RECORD NO 7 5120 CHARACTERS. BINARY

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0332	0514	00000	00000	00000	00003	00000	00000	00000	00004	00000	00000	00000	00002	00000	00000	00000	00002
0336	0520	00000	00000	00000	00004	00000	00000	00000	00003	00000	00000	00000	00001	00000	00000	00000	00001
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0508  0774   00000 00000 00000 00001   00000 00000 00000 00001   00000 00000 00000 00000   00000 00000 00000 00000

FILE NO     1 RECORD NO     8   5120 CHARACTERS. BINARY

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0124  0174   00000 00000 00000 00006   00000 00000 00000 00004   00000 00000 00000 00004   00000 00000 00000 00003
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0204  0314   00000 00000 00000 00003   00000 00000 00000 00001   00000 00000 00000 00005   00000 00000 00000 00003
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0276	0424	00000	00000	00000	00006	00000	00000	00000	00015	00000	00000	00000	00013	00000	00000	00000	00011
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0500  0764   00000 00000 00000 00007   00000 00000 00000 00006   00000 00000 00000 00004   00000 00000 00000 00007
0504  0770   00000 00000 00000 00003   00000 00000 00000 00006   00000 00000 00000 00003   00000 00000 00000 00003
0508  0774   00000 00000 00000 00005   00000 00000 00000 00011   00000 00000 00000 00006   00000 00000 00000 00010
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FILE NO 1 RECORD NO 9 160 CHARACTERS. BINARY

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0008  0010   00000 00000 00000 00000   00000 00000 00000 00000   00000 00000 00000 00000   00000 00000 00000 00000
0012  0014   00000 00000 00000 00000   00000 00000 00000 00000   00000 00000 00000 00000   00000 00000 00000 00000
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FILE NO 1 RECORD NO 10 5120 CHARACTERS. BINARY

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0012  0014   00000 00000 00000 00000   00000 00000 00000 00000   00000 00000 00000 00000   00000 00000 00000 00000
0016  0020   00000 00000 00000 00000   00000 00000 00000 00000   00000 00000 00000 00000   00000 00000 00000 00000
0020  0024   00000 00000 00000 00000   00000 00000 00000 00000   00000 00000 00000 00000   00000 00000 00000 00000
0024  0030   00000 00000 00000 00000   00000 00000 00000 00000   00000 00000 00000 00000   00000 00000 00000 00000
0028  0034   00000 00000 00000 00000   00000 00000 00000 00000   00000 00000 00000 00000   00000 00000 00000 00000
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0092  0134   00000 00000 00000 00000   00000 00000 00000 00000   00000 00000 00000 00000   00000 00000 00000 00000
0096  0140   00000 00000 00000 00000   00000 00000 00000 00000   00000 00000 00000 00000   00000 00000 00000 00000
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0104  0150   00000 00000 00000 00000   00000 00000 00000 00000   00000 00000 00000 00000   00000 00000 00000 00000
0108  0154   00000 00000 00000 00000   00000 00000 00000 00000   00000 00000 00000 00000   00000 00000 00000 00000
0112  0160   00000 00000 00000 00000   00000 00000 00000 00000   00000 00000 00000 00000   00000 00000 00000 00000
0116  0164   00000 00000 00000 00000   00000 00000 00000 00000   00000 00000 00000 00000   00000 00000 00000 00000
0120  0170   00000 00000 00000 00000   00000 00000 00000 00000   00000 00000 00000 00000   00000 00000 00000 00000
0124  0174   00000 00000 00000 00000   00000 00000 00000 00000   00000 00000 00000 00000   00000 00000 00000 00000
0128  0200   00000 00000 00000 00000   00000 00000 00000 00000   00000 00000 00000 00000   00000 00000 00000 00000
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0132	0204	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000
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0168	0250	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000
0172	0254	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000
0176	0260	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000
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0184	0270	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000
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0348	0534	00000	00000	00000	00011	00000	00000	00000	00013	00000	00000	00000	00007	00000	00000	00000	00000	00000	00015
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0368	0560	00000	00000	00000	00436	00000	00000	00000	00535	00000	00000	00000	00555	00000	00000	00000	00000	00000	00564
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0384  0600   00000 00000 00000 01712   00000 00000 00000 01636   00000 00000 00000 01564   00000 00000 00000 01543
0388  0604   00000 00000 00000 01376   00000 00000 00000 01462   00000 00000 00000 01416   00000 00000 00000 01426
0392  0610   00000 00000 00000 01431   00000 00000 00000 01420   00000 00000 00000 01406   00000 00000 00000 01466
0396  0614   00000 00000 00000 01406   00000 00000 00000 01514   00000 00000 00000 01313   00000 00000 00000 01336
0400  0620   00000 00000 00000 01216   00000 00000 00000 01122   00000 00000 00000 01107   00000 00000 00000 00763
0404  0624   00000 00000 00000 00755   00000 00000 00000 00724   00000 00000 00000 00715   00000 00000 00000 00646
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0412  0634   00000 00000 00000 00553   00000 00000 00000 00527   00000 00000 00000 00526   00000 00000 00000 00437
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0424  0650   00000 00000 00000 00310   00000 00000 00000 00303   00000 00000 00000 00333   00000 00000 00000 00323
0428  0654   00000 00000 00000 00343   00000 00000 00000 00375   00000 00000 00000 00362   00000 00000 00000 00454
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0436  0664   00000 00000 00000 00362   00000 00000 00000 00356   00000 00000 00000 00323   00000 00000 00000 00267
0440  0670   00000 00000 00000 00256   00000 00000 00000 00322   00000 00000 00000 00307   00000 00000 00000 00357
0444  0674   00000 00000 00000 00307   00000 00000 00000 00352   00000 00000 00000 00370   00000 00000 00000 00360
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0452  0704   00000 00000 00000 00324   00000 00000 00000 00270   00000 00000 00000 00250   00000 00000 00000 00254
0456  0710   00000 00000 00000 00234   00000 00000 00000 00201   00000 00000 00000 00255   00000 00000 00000 00237
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0464  0720   00000 00000 00000 00246   00000 00000 00000 00201   00000 00000 00000 00177   00000 00000 00000 00202
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0492  0754   00000 00000 00000 00121   00000 00000 00000 00113   00000 00000 00000 00105   00000 00000 00000 00102
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0500  0764   00000 00000 00000 00064   00000 00000 00000 00075   00000 00000 00000 00056   00000 00000 00000 00075
0504  0770   00000 00000 00000 00060   00000 00000 00000 00074   00000 00000 00000 00071   00000 00000 00000 00066
0508  0774   00000 00000 00000 00107   00000 00000 00000 00066   00000 00000 00000 00072   00000 00000 00000 00104

FILE NO    1 RECORD NO    11   5120 CHARACTERS, BINARY

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0004  0004   00000 00000 00000 00106   00000 00000 00000 00071   00000 00000 00000 00106   00000 00000 00000 00067
0008  0010   00000 00000 00000 00071   00000 00000 00000 00104   00000 00000 00000 00053   00000 00000 00000 00055
0012  0014   00000 00000 00000 00077   00000 00000 00000 00067   00000 00000 00000 00064   00000 00000 00000 00062
0016  0020   00000 00000 00000 00047   00000 00000 00000 00056   00000 00000 00000 00056   00000 00000 00000 00063
0020  0024   00000 00000 00000 00065   00000 00000 00000 00062   00000 00000 00000 00047   00000 00000 00000 00053
0024  0030   00000 00000 00000 00073   00000 00000 00000 00077   00000 00000 00000 00063   00000 00000 00000 00052
0028  0034   00000 00000 00000 00056   00000 00000 00000 00074   00000 00000 00000 00066   00000 00000 00000 00065
0032  0040   00000 00000 00000 00060   00000 00000 00000 00061   00000 00000 00000 00067   00000 00000 00000 00102
0036  0044   00000 00000 00000 00076   00000 00000 00000 00103   00000 00000 00000 00060   00000 00000 00000 00072
0040  0050   00000 00000 00000 00067   00000 00000 00000 00076   00000 00000 00000 00101   00000 00000 00000 00075
0044  0054   00000 00000 00000 00122   00000 00000 00000 00107   00000 00000 00000 00105   00000 00000 00000 00063
0048  0060   00000 00000 00000 00106   00000 00000 00000 00106   00000 00000 00000 00075   00000 00000 00000 00104
0052  0064   00000 00000 00000 00071   00000 00000 00000 00055   00000 00000 00000 00072   00000 00000 00000 00065
0056  0070   00000 00000 00000 00054   00000 00000 00000 00067   00000 00000 00000 00065   00000 00000 00000 00063
0060  0074   00000 00000 00000 00066   00000 00000 00000 00072   00000 00000 00000 00075   00000 00000 00000 00075
0064  0100   00000 00000 00000 00103   00000 00000 00000 00067   00000 00000 00000 00072   00000 00000 00000 00066
0068  0104   00000 00000 00000 00112   00000 00000 00000 00075   00000 00000 00000 00074   00000 00000 00000 00110
0072  0110   00000 00000 00000 00061   00000 00000 00000 00056   00000 00000 00000 00075   00000 00000 00000 00106
0076  0114   00000 00000 00000 00103   00000 00000 00000 00073   00000 00000 00000 00054   00000 00000 00000 00072
0080  0120   00000 00000 00000 00067   00000 00000 00000 00104   00000 00000 00000 00101   00000 00000 00000 00056
0084  0124   00000 00000 00000 00071   00000 00000 00000 00051   00000 00000 00000 00104   00000 00000 00000 00074
0088  0130   00000 00000 00000 00055   00000 00000 00000 00054   00000 00000 00000 00057   00000 00000 00000 00061
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Table 5. Energy and photopeak efficiency calibration for HR experiment.

Energy Calibration

Channel	Energy (keV)	Channel	Energy (keV)	Channel	Energy (keV)
713.93	71.55	1763.48	177.05	2690.40	268.89
1048.46	105.24	2038.04	204.11	2969.70	296.58
1210.20	121.57	2081.28	208.37	2994.60	299.16
1359.79	136.68	2142.59	214.49	3281.40	327.82
1463.58	147.12	2179.93	218.10	3747.01	378.72
1524.48	153.27	2284.36	228.49	3780.91	385.23
1711.72	171.33	2338.63	233.89	3855.30	413.86
1739.47	174.37	2498.04	249.73	3864.88	418.73

Photopeak Efficiency Calibration

Energy (keV)	Counts for 1%/Fission Yield	Energy (keV)	Counts for 1%/Fission Yield	Energy (keV)	Counts for 1%/Fission Yield
30.0	1.48×10^5	116.	3.70×10^4	225.	8.35×10^3
47.0	1.48×10^5	121.	3.42×10^4	234.	7.50×10^3
52.0	1.33×10^5	125.	3.15×10^4	242.	6.90×10^3
60.0	1.10×10^5	130.	2.89×10^4	251.	6.25×10^3
70.0	8.85×10^4	136.	2.68×10^4	262.	5.70×10^3
72.5	8.45×10^4	141.	2.48×10^4	274.	5.20×10^3
75.8	7.90×10^4	146.	2.30×10^4	284.	4.72×10^3
78.5	7.45×10^4	152.	2.10×10^4	294.	4.28×10^3
81.5	7.00×10^4	158.	1.93×10^4	308.	3.86×10^3
84.8	6.60×10^4	164.	1.75×10^4	319.	3.51×10^3
88.3	6.15×10^4	171.	1.61×10^4	331.	3.21×10^3
92.0	5.70×10^4	177.	1.48×10^4	345.	2.59×10^3
95.7	5.30×10^4	185.	1.33×10^4	358.	2.45×10^3
99.5	4.90×10^4	192.	1.23×10^4	372.	2.31×10^3
103.0	4.56×10^4	199.	1.11×10^4	388.	2.21×10^3
107.0	4.35×10^4	206.	1.02×10^4	405.	1.96×10^3
111.0	3.98×10^4	216.	9.25×10^3		

Table 6. Energy and photopeak efficiency calibration for G6 experiment.

Energy Calibration

Channel	Energy (keV)	Channel	Energy (keV)	Channel	Energy (keV)
276.9	99.6	768.5	277.6	2832.3	1015.1
288.3	103.8	996.0	359.7	3279.3	1173.2
580.7	209.8	1171.4	423.1	3532.0	1279.2
631.7	228.2	1634.8	589.6	3709.7	1332.5

Photopeak Efficiency Calibration [a]

Energy (keV)	Counts for 1%/Fission Yield	Energy (keV)	Counts for 1%/Fission Yield	Energy (keV)	Counts for 1%/Fission Yield
60.	4864.	190.	3174.	580.	389.
70.	5888.	200.	2892.	600.	376.
80.	6528.	220.	2406.	650.	333.
90.	6912.	240.	1997.	700.	297.
100.	6784.	260.	1638.	750.	269.
110.	6400.	280.	1357.	800.	241.
120.	6144.	300.	1203.	850.	218.
130.	5708.	340.	947.	900.	194.
140.	5325.	380.	806.	1000.	161.
150.	4838.	420.	678.	1100.	138.
160.	4378.	460.	576.	1200.	118.
170.	3917.	500.	491.	1300.	105.
180.	3584.	540.	433.		

a) These absolute efficiencies are not as well determined as the HR experimental efficiencies. For best absolute accuracy a photopeak should be normalized to the HR results and then use these efficiencies as relative standards.

Table 7. Energy and photopeak efficiency calibration for GX experiment.

Energy Calibration

Channel	Energy (keV)	Channel	Energy (keV)	Channel	Energy (keV)
315.1	104.0	613.2	211.6	1660.0	589.0
502.8	171.7	949.7	332.9	2287.2	815.4
519.4	199.4	1024.0	359.7	3568.2	1279.5

Photopeak Efficiency Calibration [a]

Energy (keV)	Counts for 1%/Fission Yield	Energy (keV)	Counts for 1%/Fission Yield	Energy (keV)	Counts for 1%/Fission Yield
60.	42670.	190.	27840.	580.	3412.
70.	51650.	200.	25370.	600.	3298.
80.	57260.	220.	21100.	650.	2921.
90.	60630.	240.	17520.	700.	2605.
100.	59510.	260.	14370.	750.	2359.
110.	56140.	280.	11900.	800.	2114.
120.	53890.	300.	10550.	850.	1912.
130.	50070.	340.	8307.	900.	1701.
140.	46710.	380.	7070.	1000.	1412.
150.	42440.	420.	5947.	1100.	1210.
160.	38400.	460.	5050.	1200.	1035.
170.	34300.	500.	4307.	1300.	921.
180.	31440.	540.	3798.		

a) See note on Table 6.

Table 8. Energy and Photopeak Efficiency Calibration for COAX Experiment.

Energy Calibration

Channel	Energy (keV)	Channel	Energy (keV)	Channel	Energy (keV)
396.9	199.3	513.0	258.5	1173.9	589.6
421.0	211.6	585.4	296.0	2348.5	1173.2
470.5	236.9	659.4	332.9	2667.5	1332.5
478.8	240.8	712.4	359.7		

Photopeak Efficiency Calibration [a]

Energy (keV)	Counts for 1%/Fission Yield	Energy (keV)	Counts for 1%/Fission Yield	Energy (keV)	Counts for 1%/Fission Yield
130.	24395.	380.	5474.	900.	1549.
150.	21420.	440.	4403.	950.	1481.
170.	16838.	460.	4165.	1000.	1374.
190.	14399.	480.	3927.	1100.	1190.
210.	12495.	500.	3689.	1200.	1053.
230.	11126.	540.	3320.	1300.	940.
250.	9996.	580.	2986.	1400.	845.
270.	8865.	600.	2856.	1500.	768.
290.	8032.	650.	2558.	1600.	708.
300.	7616.	700.	2350.	1700.	648.
320.	6961.	750.	2130.	1800.	601.
340.	6426.	800.	1909.	1900.	559.
360.	5890.	850.	1749.	2000.	523.

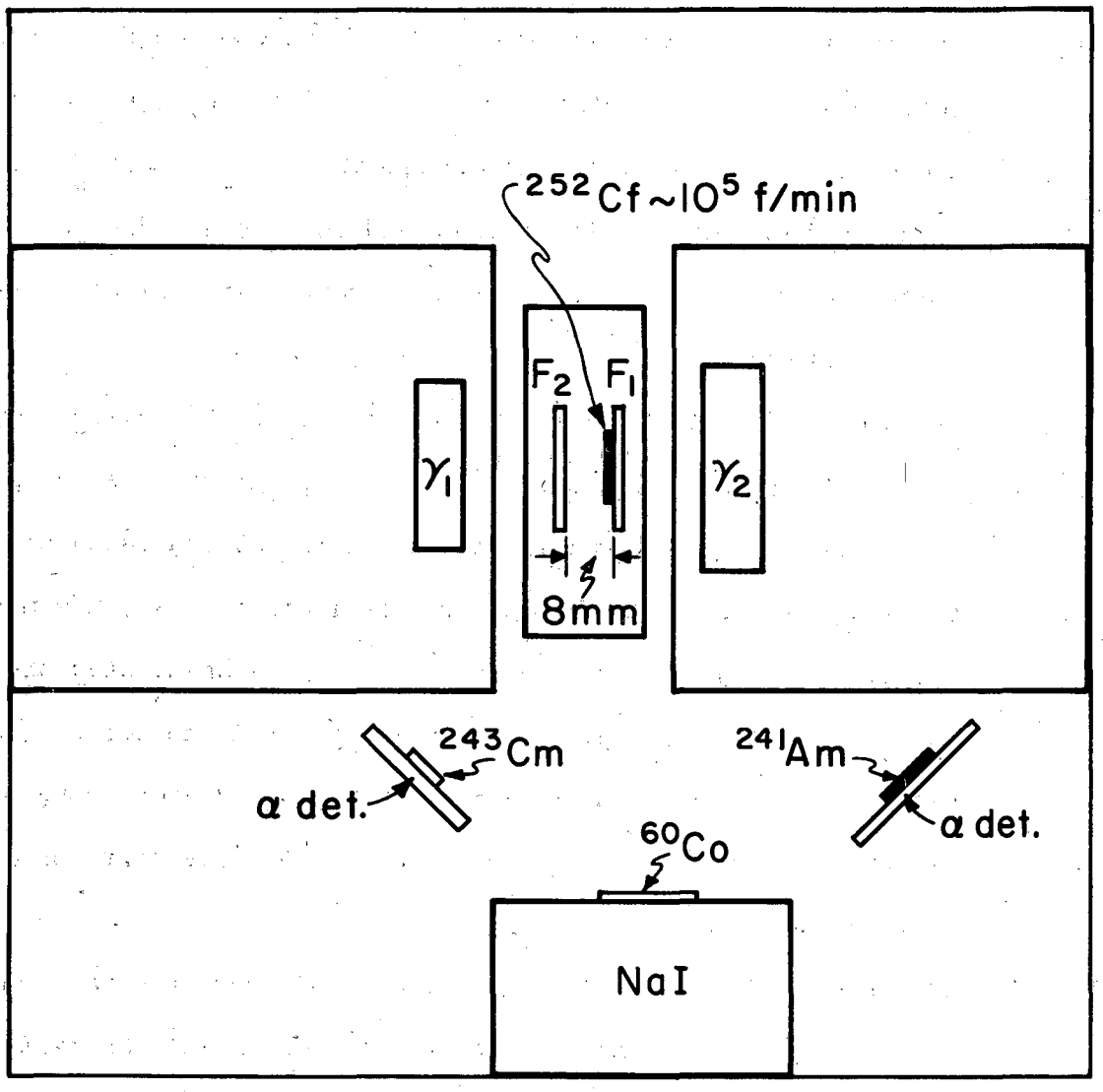
a) See note on Table 6.

FIGURE CAPTIONS

Fig. 1. General schematic representation of the detector configuration. Detectors F_1 (with electrodeposited ^{252}Cf) and F_2 measured kinetic energies of the fragments. Detectors γ_1 and γ_2 measured energies of γ-rays and/or x-rays. The sources and detectors indicated in the bottom of the figure were used for external stabilization of the photon detectors.

Fig. 2. An example showing the mass resolution for four specific transitions associated with the isotope ^{144}Ba. Each point represents the intensity of the gamma ray observed in the mass interval indicated on the abscissa. The width of the distribution for this isotope is ~ 5.6 a.m.u. (FWHM). Depending on the mass with which the γ-ray is associated the width can vary from ~ 4-7 a.m.u. It should be noted the centroid of this distribution is about A = 143.5 and not A = 144 even though these transitions are associated with the isotope ^{144}Ba (see text for discussion on this subject).

Fig. 3. An example of portions of mass sorted gamma ray spectra recorded in the HR experiment. The top spectrum is for transition from fission products stopped in fragment detector F_1 having masses between 103-105 and the bottom spectrum is for the mass interval 105-107. The straight line is for energy calibration. Each spectrum is plotted twice with the top spectrum being equal to the bottom spectrum multiplied by 5.



XBL703-2403

Fig. 1

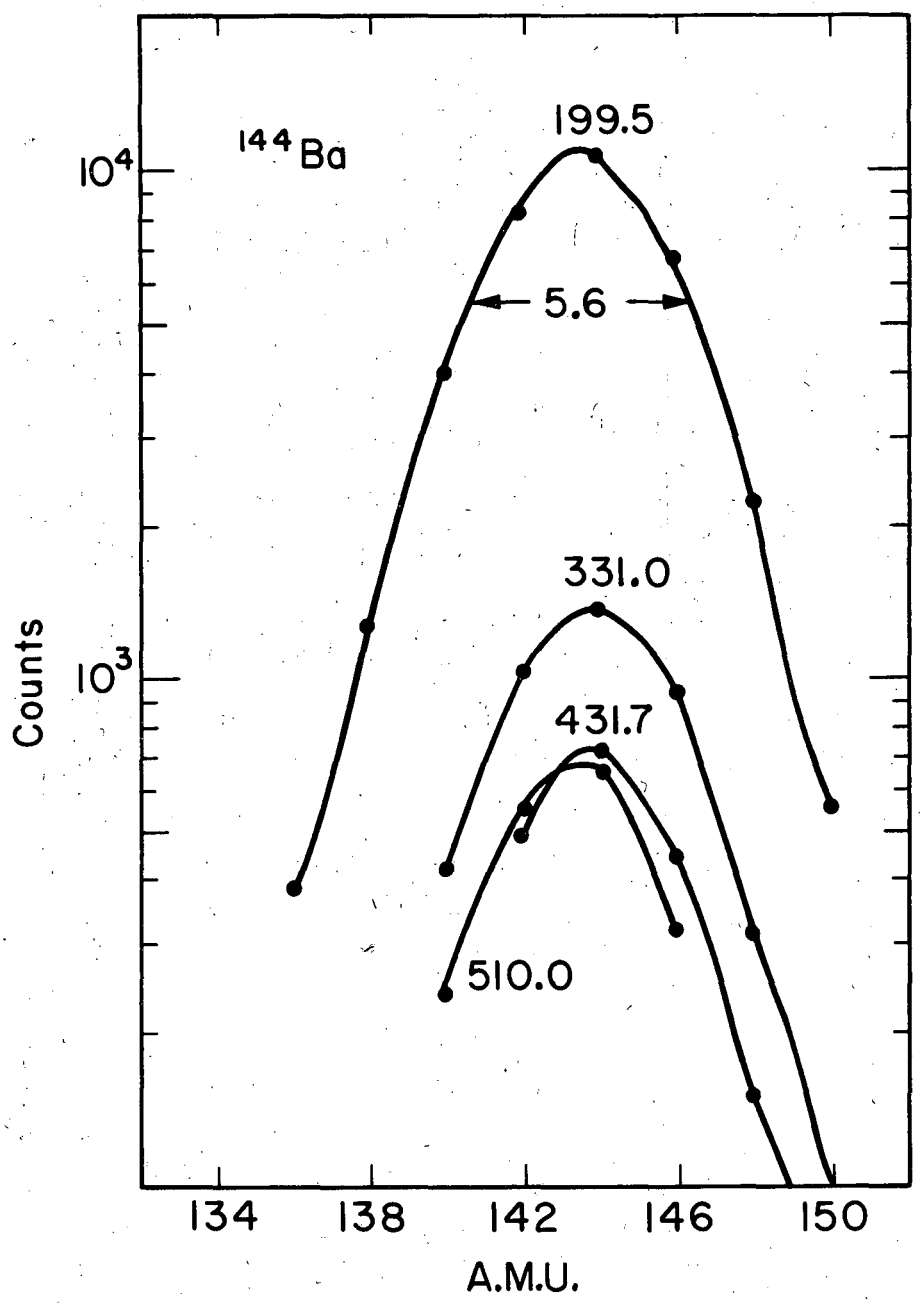
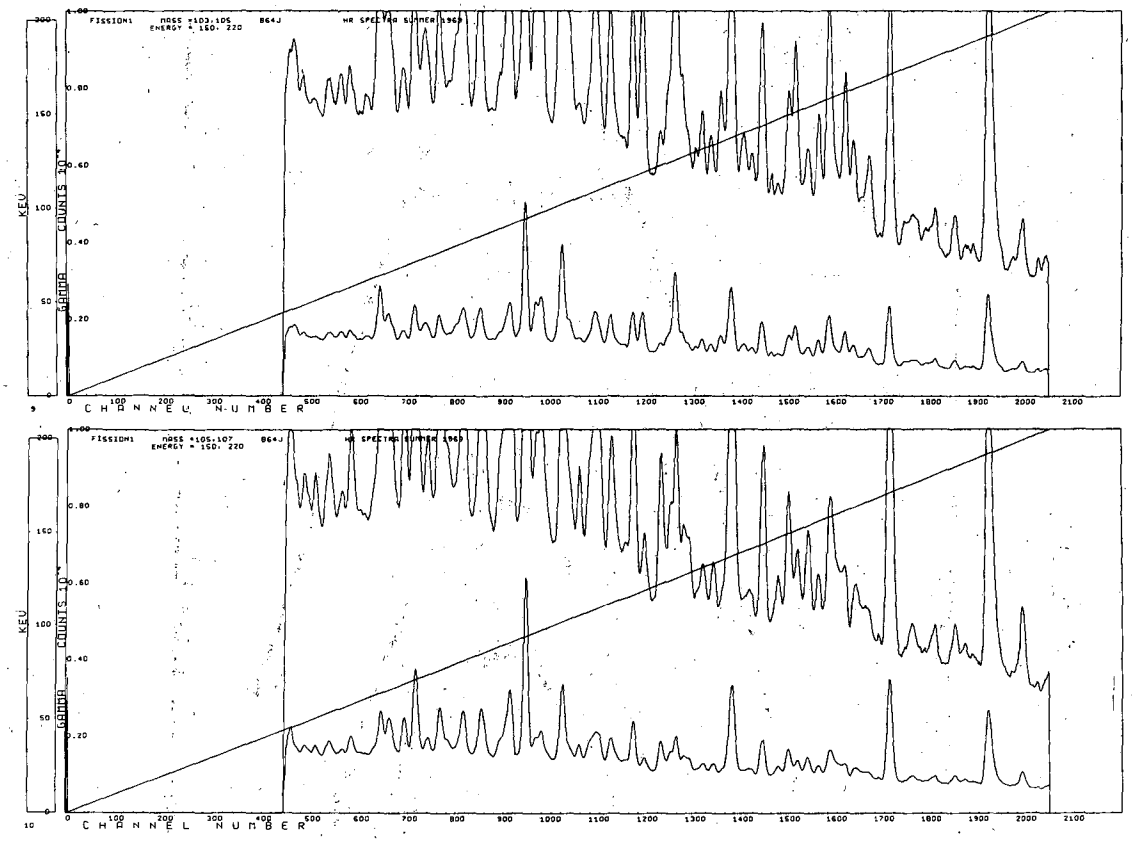

144 Ba
199.5
5.6
331.0
431.7
510.0
10^4
10^3
Counts
134
138
142
146
150
A.M.U.
XBL703-2398

Fig. 2



XBL 708-1785

Fig. 3

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