AD-A121 988 RIME: THE RECOVERABLE ITEM MANAGEMENT EVALUATOR VOLUME II SECTION IV RIME..(U) DECISION SYSTEMS DAYTON OH W S DEMMY MAY 80 TR-80-02-D F33600-78-C-0524 1/1

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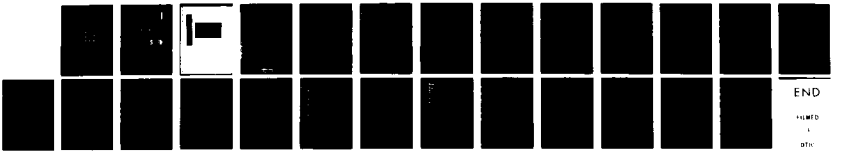

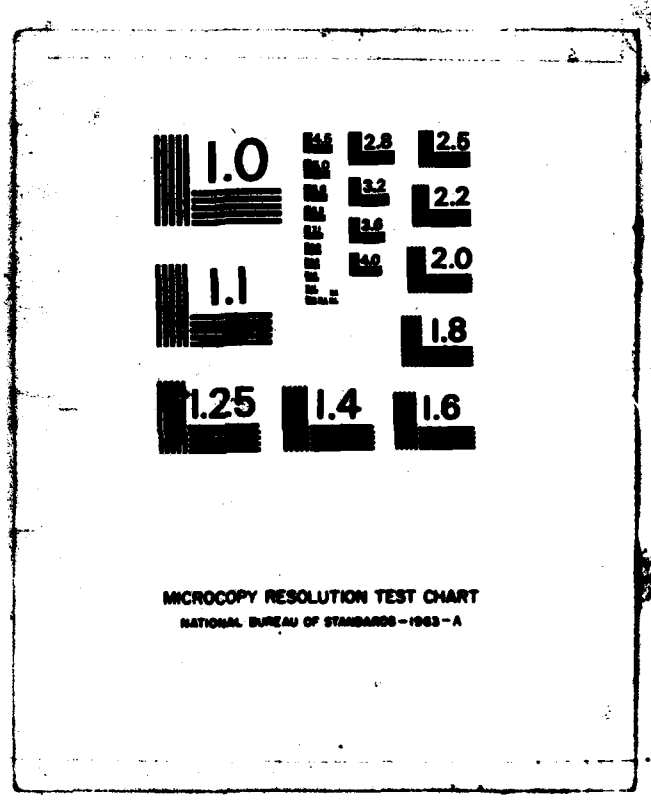
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MICROCOPY RESOLUTION TEST CHART
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RIME:

The Recoverable Item Management Evaluator:

Volume II, Section IV

RIME Job Control Language Files

RIME:

The Recoverable Item Management Evaluator:

Volume II, Section IV

RIME Job Control Language Files

by

W. Steven Demmy

May 1980

TR-80-02-D

DECISION SYSTEMS
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18. SUPPLEMENTARY NOTES

19. KEY WORDS (Continue on reverse side if necessary and identify by block number)
Recoverable item, multi-echelon, inventory/repair, simulation, METRIC, MOD-METRIC, AFLC

20. ABSTRACT (Continue on reverse side if necessary and identify by block number)
This report describes the Recoverable Item Management Evaluator (RIME), a FORTRAN simulation model for evaluating the relative cost-effectiveness of analytic optimization procedures proposed for use in Air Force Logistics Command recoverable item management systems. Major features of the model include (a) the use of actual Air Force demand histories to drive the model demand processes, (b) modeling of current Air Force statistical estimation procedures, and (c) modeling of the dynamic interations among initial provisioning, replenishment and distribution policies. Volume II documents the programs for RIME.

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Section IV

Job Control Language Files

List of Files

Filename
BSOFILE
DMSGN.E1
DMSGN.E2
INPRV.E1
INPRV.E2
INPRV.E3
INPRV.E4
LIMITS.E
MICRO.E1
PUNCH.E1
REPLN.E1
REPLN.E2
REPLN.E3
RIMSM.E1
RIMSM.E2
RIMSM.E3
RIMSM.E4
SORTL.E1

PERMANE- BSOFILE

```
10#95 0607-0.10000E-02
20#95 0607-0.10000E-03
30#95 0607-0.10000E-04
40#95 0607-0.10000E-06
50#95 0607-0.10000E-08
```

FILENAME= DMSGN.E1

```
10$;NOTE:----------/GO/DMSGN.E1 FOLLOWS
20$;NOTE:**********RIME/BO/DMSGN.E1
30$;OPTION:FORTRAN,NOMAP
40$;SELECT:RIME/OBJ/DMSGN1.O
50$;SELECT:RIME/OBJ/READF2.O
60$;SELECT:RIME/OBJ/R57027.O
70$;SELECT:RIME/OBJ/BASEDA.O
80$;SELECT:RMOS/RANDU.O
90$;EXECUTE
100$;LIMITS:15,28K,5K
110$;DATA:OS
```

DMSGN.E1

```
FILENAME= DMSGN,E2  /

135$;NOTE;-------------------------------/GO/DMSGN,E2 FOLLOWS
140$;TAPE;OU,X1S,,74870,,DOB1EXT
150$;FILE;O6,R2S
160$;FEILE;O6,NOSLEW
170$;FILE;O1,I2S
180$;FEILE;O1,NOSLEW
190$;NOTE;**********************UTILITY DUMP
200$;UTILITY
210$;PUTIL;AA,BB,RWD/AA,BB/,DDUMP/20B,50R/,RWD/AA,BB/
220$;TAPE;AA,X1D
230$;FILE;BB,I2S
240$;PUTIL;CC,,RWD/CC/,DDUMP/50R/,RWD/CC/
250$;FILE;CC,R2S
```

FILENAME- INPRV.E1

```
2000$;NOTE;----+----1----+----2----+----3----+----4----+----5----+----6--INPRV.E1 FOLLOWS--
2010$;NOTE;**********BEGIN ONEIND
2020$       OPTION  FORTRAN,NOMAP
2030$       LIBRARY MP
2040$       SELECT RIME/OBJ/ONEIND,O
2050$       EXECUTE
2060$;SELECTA;RIME/LIMITS,D
2070$       PERMFL  MP,R/L,MODMETRIC/EDIT
2080$       PERMFL  04,R/W,L,MODMETRIC/USELIST
2090$;FILE;05,I2S
2100$;FILE;06,P1S
2110$;FILE;09,I3S
2115$;FFILE;09,NOSLEW
2120$;NOTE;**********UTILITY DUMP
2130$;UTILITY
2140$;PUTIL,AA,BB,RWD/AA,BB/,DDUMP/20R,20R/,RWD/AA,BB/
2150$;FILE;AA,I2R
2160$;FILE;BB,I3S
2170$;NOTE;**********BEGIN GETBSO
2180$       OPTION  FORTRAN,NOMAP
2190$       LIBRARY MP
2200$       SELECT  RIME/OBJ/GETBSO,O
2210$       EXECUTE
2220$;LIMITS;15,125,,5K
2230$       PERMFL  MP,R/L,MODMETRIC/EDIT
2240$       PERMFL  04,R/W,L,MODMETRIC/USELIST
2250$;FILE;07,I3S
2260$;FILE;06,I6S
2265$;FFILE;06,NOSLEW
2270$;NOTE;*****SELECTA BSO'S FROM /GO/BSOFILE
2280$;DATA;05
2290$;SELECTA;RIME/GO/BSOFILE
2300$;NOTE;**********UTILITY DUMP
2310$;UTILITY
2320$;PUTIL,AA,BB,RWD/AA,BB/,DDUMP/20R,20R/,RWD/AA,BB/
2330$;FILE;AA,I3R
2340$;FILE;BB,I6S
```

FILENAME= INPRV.B2

```
20000$!NOTE!+-------+-------+-------+-------+-------+-------INPRV.B2 FOLLOWS*--
20100$!NOTE!+*********************+*****+***BEGIN TWOIND
20200$       OPTION  FORTRAN;NOMAP
20300$       LIBRARY MP
20400$!SELECT!RINE/OBJ/TWOIND,0
20500$       EXECUTE
20600$!SELECTA!RINE/LIMITS,D
20700$       PRMPL   MP,R/L,MODMETRIC/IDNT
20800$       PRMPL   04,R/W,L,MODMETRIC/USRLIST
20900$!FILE!05,I2$
21000$!FILE!06,P1$
21100$!FILE!09,I3$
21200$!FILE!09,NOSLEW
21300$!NOTE!+*********************+***UTILITY DUMP
21400$!UTILITY
21500$!UTIL,AA,BB,RWD/AR,BB/;DDUMP/20$;20$/,RWD/AA,BB/
21600$!FILE!AA,I2$
21700$!FILE!BB,I3$
21800$!NOTE!+*********************+*****+***BEGIN GETDSO
21900$       OPTION  FORTRAN;NOMAP
22000$       LIBRARY MP
22100$       SELECT  RINE/OBJ/GETDSO,0
22200$       EXECUTE
22300$!LIMITS!15,12K,,5K
22400$       PRMPL   MP,R/L,MODMETRIC/IDNT
22500$       PRMPL   04,R/W,L,MODMETRIC/USRLIST
22600$!FILE!07,I3$
22700$!FILE!08,I6$
22800$!FILE!06,NOSLEW
22900$!NOTE!+***SELECTA RECS FROM /00/USRFILE
23000$!RATE!05
23100$!SELECTA,RINE/00/USRFILE
23200$!NOTE!+*********************+*****+***UTILITY DUMP
23300$!UTILITY
23400$!UTIL,AA,BB,RWD/AR,BB/;DDUMP/20$;20$/,RWD/AA,BB/
23500$!FILE!AA,I3$
23600$!FILE!BB,I6$
```

FILENAME= INPRV,E3

```
10$;NOTE;*********INPRV;E3 FOLLOWS**
20$;NOTE;**********BEGIN SAVDAT
30$;OPTION;FORTRAN,NOMAP
40$;SELECT;RIME/OBJ/SAVDAT,O
50$;EXECUTE
55$;LIMITS;15,10K
60$;FILE;05,I2S
70$;FILE;08,M1S,10R
80$;FILE;09,M2S
85$;FFILE;09,NOSLEW
90$;NOTE;**********UTILITY DUMP
100$;UTILITY
110$;FUTIL;AA,BB,RWD/AA,BB/,DDUMP/20R,20R7,RWD/AA,BB/
120$;FILE;AA,I2R
130$;FILE;BB,M2S
160$;NOTE;**********BEGIN ONEIND
170$       OPTION  FORTRAN,NOMAP
180$       LIBRARY MP
190$       SELECT  RIME/OBJ/ONEIND,O
200$       EXECUTE
210$;SELECTA;RIME/LIMITS,D
220$       PRMFL   MP,R/L,MODMETRIC/IDNT
230$       PRMFL   04,R/W,L,MODMETRIC/USELIST
240$;FILE;05,M2S
250$;FILE;06,P1S
260$;FILE;09,I3S
265$;FFILE;09,NOSLEW
270$;NOTE;**********UTILITY DUMP
280$;UTILITY
290$;FUTIL;AA,BB,RWD/AA,BB/,DDUMP/20R,20R7,RWD/AA,BB/
300$;FILE;AA,M2R
310$;FILE;BB,I3S
320$;NOTE;**********BEGIN GETBSO
330$       OPTION  FORTRAN,NOMAP
340$       LIBRARY MP
350$       SELECT  RIME/OBJ/GETBSO,O
360$       EXECUTE
370$;LIMITS;15,12K
380$       PRMFL   MP,R/L,MODMETRIC/IDNT
390$       PRMFL   04,R/W,L,MODMETRIC/USELIST
400$;FILE;07,I3S
410$;FILE;06,I4S
415$;FFILE;06,NOSLEW
420$;NOTE;*****SELECTA BSO'S FROM /GO/BSOFILE
430$;DATA;05
440$;SELECTA;RIME/GO/BSOFILE
450$;NOTE;**********UTILITY DUMP
460$;UTILITY
470$;FUTIL;AA,BB,RWD/AA,BB/,DDUMP/20R,20R7,RWD/AA,BB/
480$;FILE;AA,I3R
490$;FILE;BB,I4S
500$;NOTE;**********BEGIN GETDAT
510$;OPTION;FORTRAN,NOMAP
520$;SELECT;RIME/OBJ/GETDAT,O
```

```
5300$;EXECUTE
5350$;LIMITS,15,10K
5400$;FILE;05,I4S
5500$;FILE;05,M1R
5600$;FILE;09,I5S
5650$;FILE;09,NOSLEW
5700$;NOTE;*************************UTILITY DUMP
5800$;UTILITY
5900$;PUTIL;AA,BB,RWD/AA,BB/,DDUMP/20R,20R/,RWD/AA,BB/
6000$;FILE;AA,I4R
6100$;FILE;BB,I5S
6200$;NOTE;*************************BEGIN EVALUATE
6300$       OPTION  FORTRAN,NOMAP
6400$       LIBRARY MP
6500$;SELECT,TIME/OBJ/MAXEVL,0
6600$;EXECUTE
6700$;LIMITS,15,18K
6800$       PRMFL   MP,R,L,NODMETRIC/IDNT
6900$       PRMFL   Q4,R/W,L,NODMETRIC/USELIST
7000$;FILE;05,I5S
7100$;FILE;06,P1S
7200$;FILE;09,I6S
7250$;FILE;09,NOSLEW
7300$;NOTE;*************************UTILITY DUMP
7400$;UTILITY
7500$;PUTIL;AA,BB,RWD/AA,BB/,DDUMP/50R,50R/,RWD/AA,BB/
7600$;FILE;AA,I5R
7700$;FILE;BB,I6S
```

FILENAME= INPRV.E4

```
2000$;NOTE;----------/GO/INPRV.E4 FOLLOWS
2010$;NOTE;**********BEGIN EVALUATE
2020$       OPTION  FORTRAN,NOMAP
2030$       LIBRARY MP
2040$;SELECT;RIME/OBJ/MEXEVL.O
2050$;EXECUTE
2060$;LIMITS;15,18K
2070$       PERMFL  MP,R,L,MODMETRIC/EDMT
2080$       PERMFL  04,R/W,L,MODMETRIC/USELIST
2090$;FILE;05,I2S
2100$;FILE;06,P1S
2110$;FILE;09,I4S
2120$;FFILE;09,NOSLEW
2130$;NOTE;**********UTILITY DUMP
2140$;UTILITY
2150$;FUTIL;AA,BB,RWD/AR,BB/,DDUMP/SOR;SOR/,RWD/AA;BB/
2160$;FILE;AA,I2R
2170$;FILE;BB,I4S
2180$;OPTION;FORTRAN
2190$;SELECT;RIME/OBJ/LEVLDP.O
2200$;EXECUTE
2205$;NOTE;*****SELECTA BSO'S FROM /SO/BSOFILE
2210$;DATA;05
2220$;SELECTA;RIME/GO/BSOFILE
2230$;FILE;07,I4R
2240$;FILE;08,I6S
2250$;FFILE;08,NOSLEW
```

```
FILENAME= LIMITS.E

00100;NOTE:**************SELECTA RIME/GO/LIMITS.E
00440;LIMITS:@1,,,9K
```

LIMITS.E

FILENAME= MICRO,E1

```
7500$;NOTE:**********************$*RJHP/GO/MICRO;E1
7510$;UTILITY
7520$;FUTIL,PP,,RWD/PP/,DDUMP/10B/,RWD/PP/
7530$;FILE;PP,P1S
7540$;CONVER
7550$;FILE;IN,P1S
7560$;REMOTE:OT
```

FILENAME= PUNCH.E1

```
7000$;NOTE;;*********************X*BIMS/GO/PUNCH.E1
7010$;CONVERT;MSPIN
7020$;INPUT;MMEDIA
7030$;OUTPUT;MODBCB
7030$;FILE;IN,A3S
7040$;PUNCH,OT
```

FILENAME= REPLN.E1

```
3000$:NOTE:----------REPLN.E1 FOLLOWS----------
3010$:NOTE:**********BEGIN ONEIND
3020$       OPTION  FORTRAN;NOMAP
3030$       LIBRARY MP
3040$       SELECT  RIME/OBJ/ONEIND,0
3050$       EXECUTE
3060$:SELECTA:RIME/LIMITS,D
3070$       PRMFL   MP,R;L,MODMETRIC/EDM?
3080$       PRMFL   04,R/W,L,MODMETRIC/USELIST
3090$:FILE:05,R2S
3100$:FILE:06,P1S
3110$:FILE:09,R3S
3115$:FFILE:09,NOSLEW
3120$:NOTE:**********UTILITY DUMP
3130$:UTILITY
3140$:PUTIL,AA,BB,RWD/AA,BB/,DDUMP/20R;20R/,RWD/AA,BB/
3150$:FILE:AA,R2R
3160$:FILE:BB,R3S
3170$:NOTE:**********BEGIN GETBSO
3180$       OPTION  FORTRAN,NOMAP
3190$       LIBRARY MP
3200$       SELECT  RIME/OBJ/GETBSO,0
3210$       EXECUTE
3220$:LIMITS:15,12K,,5K
3230$       PRMFL   MP,R;L,MODMETRIC/EDM?
3240$       PRMFL   04,R/W,L,MODMETRIC/USELIST
3250$:FILE:07,R3S
3260$:FILE:06,R6S
3265$:FFILE:06,NOSLEW
3270$:NOTE:*****SELECTA BSO'S FROM /GO/BSOFILE
3280$:DATA:05
3290$:SELECTA:RIME/GO/BSOFILE
3300$:NOTE:**********UTILITY DUMP
3310$:UTILITY
3320$:PUTIL,AA,BB,RWD/AA,BB/,DDUMP/20R;20R/,RWD/AA;BB/
3330$:FILE:AA,R3R
3340$:FILE:BB,R6S
```

FILENAME= REPLN.E2

```
3000$;NOTE;*-------*---*-------*-------*-------*-------REPLN.E2 FOLLOWS*-*
3010$;NOTE;*********************************BEGIN TWOIND
3020$       OPTION  FORTRAN,NOMAP
3030$       LIBRARY MP
3040$;SELECT;RIME/OBJ/TWOIND,0
3050$       EXECUTE
3060$;SELECTA;RIME/LIMITS,D
3070$       PRMFL   MP,M,L,MODMETRIC/IDNT
3080$       PRMFL   04,M/W,L,MODMETRIC/USELIST
3090$;FILE;05,R2S
3100$;FILE;06,P1S
3110$;FILE;09,R3S
3115$;FFILE;09,NOSLEW
3120$;NOTE;**********************UTILITY DUMP
3130$;UTILITY
3140$;FUTIL;AA,BB,RWD/AA,BB/,DDUMP/20R;20R/,RWD/AA,BB/
3150$;FILE;AA,R2R
3160$;FILE;BB,R3S
3170$;NOTE;**********************BEGIN GETSSO
3180$       OPTION  FORTRAN,NOMAP
3190$       LIBRARY MP
3200$       SELECT  RIME/OBJ/GETSSO,0
3210$       EXECUTE
3220$;LIMITS;15,12K,,5K
3230$       PRMFL   MP,M,L,MODMETRIC/IDNT
3240$       PRMFL   04,M/W,L,MODMETRIC/USELIST
3250$;FILE;07,R3S
3260$;FILE;06,R6S
3265$;FFILE;06,NOSLEW
3270$;NOTE;*****SELECTA BSO'S FROM /SO/BSOFILE
3280$;DATA;05
3290$;SELECTA;RIME/SO/BSOFILE
3300$;NOTE;**********************UTILITY DUMP
3310$;UTILITY
3320$;FUTIL;AA,BB,RWD/AA,BB/,DDUMP/20R;20R/,RWD/AA,BB/
3330$;FILE;AA,R3R
3340$;FILE;BB,R6S
```

FILENAME= REPLN,E3

```
10$;NOTE;*----------*----------*----------*--REPLN,E3 FOLLOWS--*
20$;NOTE;**********BEGIN SAVDAT
30$;OPTION;FORTRAN,NOMAP
40$;SELECT;RIME/OBJ/SAVDAT,O
50$;EXECUTE
55$;LIMITS;15,10K,,5K
60$;FILE;05,R2S
70$;FILE;08,N4S,10N
80$;FILE;09,N2S
85$;PFILE;09,NOSLEW
90$;NOTE;**********UTILITY DUMP
100$;UTILITY
110$;FUTIL;AA,BB,RWD/AA,BB/,DDUMP/20R,20R/,RWD/AA,BB/
120$;FILE;AA,R2R
130$;FILE;BB,N2S
140$;NOTE;**********BEGIN ONEIND
170$       OPTION  FORTRAN,NOMAP
180$       LIBRARY MP
190$       SELECT  RIME/OBJ/ONEIND,O
200$       EXECUTE
210$;SELECTA;RIME/LIMITS,D
220$       PRMFL   MP,R,L,MODMETRIC/IBMT
230$       PRMFL   04,R/W,L,MODMETRIC/USELIST
240$;FILE;05,N2S
250$;FILE;06,NULL
260$;FILE;09,R3S
265$;PFILE;09,NOSLEW
270$;NOTE;**********UTILITY DUMP
280$;UTILITY
290$;FUTIL;AA,BB,RWD/AA,BB/,DDUMP/20R,20R/,RWD/AA,BB/
300$;FILE;AA,N2R
310$;FILE;BB,R3S
320$;NOTE;**********BEGIN GETBSO
330$       OPTION  FORTRAN,NOMAP
340$       LIBRARY MP
350$       SELECT  RIME/OBJ/GETBSO,O
360$       EXECUTE
370$;LIMITS;15,12K,,5K
380$       PRMFL   MP,R,L,MODMETRIC/IBMT
390$       PRMFL   04,R/W,L,MODMETRIC/USELIST
400$;FILE;07,R3S
410$;FILE;06,R4S
415$;PFILE;06,NOSLEW
420$;NOTE;****SELECTA BSO'S FROM /08/BSOFILE
430$;DATA;05
440$;SELECTA;RIME/BO/BSOFILE
450$;NOTE;**********UTILITY DUMP
460$;UTILITY
470$;FUTIL;AA,BB,RWD/AA,BB/,DDUMP/20R,20R/,RWD/AA,BB/
480$;FILE;AA,R3R
490$;FILE;BB,R4S
500$;NOTE;**********BEGIN GETDAT
510$;OPTION,FORTRAN,NOMAP
520$;SELECT,RIME/OBJ/GETDAT,O
```

```
5300$;EXECUTE
5350$;LIMITS,15,10K
5400$;FILE;08,BUS
5500$;FILE;08,N1R
5600$;FILE;09,RSS
5650$;FILE;09,NOSLEW
5700$;NOTE;*********************UTILITY DUMP
5800$;UTILITY
5900$;PUTIL;AA,BB,RWD/AA,BB/,DDUMP/20R,20R/,RWD/AA,BB/
6000$;FILE;AA,BUR
6100$;FILE;BB,RSS
6200$;NOTE;*************************BEGIN EVALUATE
6300$       OPTION  FORTRAN,NOMAP
6400$       LIBRARY MP
6500$;SELECT,RINK/OBJ/MAXEVL,0
6600$;EXECUTE
6700$;LIMITS,15,18K
6800$       PRMFL   MP,B,L,NORMETRIC/IBMT
6900$       PRMFL   04,B/W,L,NODMETRIC/USELIST
7000$;FILE;08,RSS
7100$;FILE;06,NULL
7200$;FILE;09,RGS
7250$;FILE;09,NOSLEW
7300$;NOTE;*********************UTILITY DUMP
7400$;UTILITY
7500$;PUTIL;AA,BB,RWD/AA,BB/,DDUMP/50R,50R/,SKIP/1F,1F/,RWD/AA,BB/
7600$;FILE;AA,BSR
7700$;FILE;BB,RGS
```

FILENAME= RIMSM,E1

```
$       NOTE    ***********RIME/GO/RIMSM,E1 FOLLOWS                    00001000
$       OPTION  FORTRAN,NOMAP                                          00001010
$       SELECT  RIME/OBJ/RIME,O                                        00001020
$       SELECT  RIME/OBJ/REPAIR,O                                      00001030
$       SELECT  RIME/OBJ/OUTREP,O                                      00001040
$       SELECT  RIME/OBJ/OUT2,O                                        00001050
$       SELECT  RIME/OBJ/EVNTS,O                                       00001060
$       SELECT  RIME/OBJ/XMGASP,O                                      00001070
$       SELECT  RIME/OBJ/GASPPL,O                                      00001080
$       SELECT  RIME/OBJ/ENTERR,O                                      00001090
$       SELECT  RIME/OBJ/PELIST,O                                      00001100
$       SELECT  RIME/OBJ/FILLRQ,O                                      00001110
$       SELECT  RIME/OBJ/INITAL,O                                      00001120
$       SELECT  RIME/OBJ/INITM2,O                                      00001130
$       SELECT  RIME/OBJ/ITRSL2,O                                      00001140
$       SELECT  RIME/OBJ/LEVEL2,O                                      00001150
$       SELECT  RIME/OBJ/ZERO,O                                        00001160
$       SELECT  RIME/OBJ/SSTAT,O                                       00001170
$       SELECT  RIME/OBJ/REQ,O                                         00001180
$       SELECT  RIME/OBJ/RECEIV,O                                      00001190
$       SELECT  RIME/OBJ/REVIEW,O                                      00001200
$       SELECT  RIME/OBJ/ORDER,O                                       00001210
$       SELECT  RIME/OBJ/CUM,O                                         00001220
$       NOTE    *****NEWS ROUTINES FOLLOW                              00001230
$       SELECT  NEWS/NAMDU,O                                           00001240
```

FILENAME= RIMSM,E2

```
10$;NOTE;*********RIMS/GO/RIMSM,E2 FOLLOW***
20$;SELECT;RIMS/GO/RIMSM,E1
30$;EXECUTE
40$;SELECTA=RIMS/LIMITS,2
50$;FILE;11,R1,10R
60$;EXECOUT;A3
61$;REMOTE;5
62$;REMOTE;6
70$;DATA;05
80    1  0  1  1    C2
90    0 0 0 0 0     0  0    C3
100   5  16  1   5=LAMBDAS, 16=QTRS, 1=GRP
110$;FILE;09,A3S
```

FILENAME= RIMSM,E3

```
10$       NOTE    ********RIME/GO/RIMSM,E3 FOLLOWS
20$       OPTION  FORTRAN,NOMAP
30$       SELECT  RIME/OBJ/RIMSB,O
40$       SELECT  RIME/OBJ/RRPAIR,O
50$       SELECT  RIME/OBJ/OUTREP,O
60$       SELECT  RIME/OBJ/OUT2,O
70$       SELECT  RIME/OBJ/EVNTS,O
80$       SELECT  RIME/OBJ/IRGASP,O
90$       SELECT  RIME/OBJ/GRSPFL,O
100$      SELECT  RIME/OBJ/RNTERR,O
110$      SELECT  RIME/OBJ/FELIST,O
120$      SELECT  RIME/OBJ/FILLBO,O
130$      SELECT  RIME/OBJ/INITAL,O
140$      SELECT  RIME/OBJ/INITM2,O
150$      SELECT  RIME/OBJ/ITRSL2,O
160$      SELECT  RIME/OBJ/LEVEL2,O
170$      SELECT  RIME/OBJ/ZERO,O
180$      SELECT  RIME/OBJ/SSTAT,O
190$      SELECT  RIME/OBJ/REQ,O
200$      SELECT  RIME/OBJ/RECEIV,O
210$      SELECT  RIME/OBJ/REVIEW,O
220$      SELECT  RIME/OBJ/ORDER,O
230$      SELECT  RIME/OBJ/CUR,O
240$      NOTE    *****REQS ROUTINES FOLLOW
250$      SELECT  REQS/RANDU,O
```

```
PERMNAME= SORTL,E1
```

```
$0000;NOTE;+++++++++++++++++++++++++++++++++FILE /E0/SORTL.E1
$0100;FILE;CR;ZORB/BARB
$0200;FT  9,9,A,7,3,A
$0300;FILE      21    21REC
$0400;IFCR 1!="0" TO 70
$0500;ZFMTZR;45
$0600;NOTE;------INPUT FILE CODES ARE IS;IT; ETC.
$0700;FILE;IS,I45
$0800;FILE;IT,I65
$0900;NOTE;------OUTPUT FILE CODE IS "IX"
$1000;FILE;IF,A35
$1100;FILE;#1,X1R,20R
$1200;FILE;#2,X2R,20R
$1300;FILE;#3,X3R,20R
$1400;FILE;#4,X4R,20R
$1500;NOTE;**********UTILITY DUMP
$1600;UTILITY
$1700;MODIFY,A1,SR,RWD/AR,BRK,RBKWD/20R;10R/,ARD/A1;RR/
$1800;FILE;A1,I6R
$1900;FILE;RR,R6R
$2000;PUTFILE,,RWD/CC/;DDUMP/50R/,RWD/CC/
$2100;FILE;CC,A3R
```

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