

MM	MM	AAAAA	NN	NN	DDDDDDDD	##	##	FFFFFFFF	0000000000	RRRRRRRRRR						
MMM	MMM	AAAAA	NNN	NN	DDDDDDDD	##	##	FFFFFFFF	0000000000	RRRRRRRRRR						
MMMM	MMMM	AA	AA	NNNN	NN	DD	DD	#####	FF	00	00	RR	RR			
MM	MM	MM	MM	AA	AA	NN	NN	NN	DD	DD	#####	FF	00	00	RR	RR
MM	MMMM	MM	AA	AA	NN	NN	NN	DD	DD	##	##	FF	00	00	RR	RR
MM	MM	MM	AAAAA	NN	NN	NN	DD	DD	##	##	FFFFFF	00	00	RRRRRRRRRR		
MM	MM	MM	AAAAA	NN	NN	NN	DD	DD	##	##	FFFFFF	00	00	RRRRRRRRRR		
MM	MM	AA	AA	NN	NN	NN	DD	DD	##	##	FF	00	00	RR	RR	
MM	MM	AA	AA	NN	NNNN	DD	DD	#####	FF	00	00	RR	RR			
MM	MM	AA	AA	NN	NNN	DD	DD	#####	FF	00	00	RR	RR			
MM	MM	AA	AA	NN	NN	DDDDDDDD	##	##	FF	0000000000	RR	RR				
M	MM	AA	AA	NN	N	DDDDDDDD	##	##	FF	0000000000	RR	RR				

JJJJJJJJJ	11	3333333333	2222222222	6666666666	AAAAAAAAAA				
JJJJJJJJJ	111	333333333333	222222222222	666666666666	AAAAAAAAAAAA				
JJ	1111	33	33	22	22	66	66	AA	AA
JJ	11		33		22	66		AA	AA
JJ	11		33		22	66		AA	AA
JJ	11		3333		22	666666666666		AAAAAAAAAAAA	
JJ	11		3333		22	666666666666		AAAAAAAAAAAA	
JJ	11		33		22	66	66	AA	AA
JJ	JJ	11	33		22	66	66	AA	AA
JJ	JJ	11	33		22	66	66	AA	AA
JJJJJJJJ	1111111111	333333333333	222222222222	666666666666	AA	AA			
JJJJJJ	1111111111	3333333333	222222222222	6666666666	AA	AA			

*****A	START	JOB 1326	MAND#FOR	ROOM	1.24.04	PM 17 MAY 20	PRINTER1	SYS TK4-	JOB 1326	START	A*****
*****A	START	JOB 1326	MAND#FOR	ROOM	1.24.04	PM 17 MAY 20	PRINTER1	SYS TK4-	JOB 1326	START	A*****
*****A	START	JOB 1326	MAND#FOR	ROOM	1.24.04	PM 17 MAY 20	PRINTER1	SYS TK4-	JOB 1326	START	A*****
*****A	START	JOB 1326	MAND#FOR	ROOM	1.24.04	PM 17 MAY 20	PRINTER1	SYS TK4-	JOB 1326	START	A*****

J E S 2   J O B   L O G

13.24.04 JOB 1326 IEF677I WARNING MESSAGE(S) FOR JOB MAND#FOR ISSUED  
13.24.04 JOB 1326 \$HASP373 MAND#FOR STARTED - INIT 1 - CLASS A - SYS TK4-  
13.24.04 JOB 1326 IEF403I MAND#FOR - STARTED - TIME=13.24.04  
13.24.04 JOB 1326 IEFACRT - STEPNAME PROCSTEP PROGRAM RETCODE  
13.24.04 JOB 1326 MAND#FOR FORT IEKAA00 RC= 0000  
13.24.04 JOB 1326 MAND#FOR GO LOADER RC= 0000  
13.24.04 JOB 1326 IEF404I MAND#FOR - ENDED - TIME=13.24.04  
13.24.04 JOB 1326 \$HASP395 MAND#FOR ENDED

----- JES2 JOB STATISTICS -----

17 MAY 20 JOB EXECUTION DATE

37 CARDS READ

220 SYSOUT PRINT RECORDS

0 SYSOUT PUNCH RECORDS

0.00 MINUTES EXECUTION TIME

```
1 //MAND#FOR JOB CLASS=A,MSGCLASS=A,MSGLEVEL=(1,1),NOTIFY=HERC01, JOB 1326
// USER=HERC01,PASSWORD= GENERATED BY IKJEFF10
2 // EXEC FORTHCG,PARM.FORT='OPT=2,XREF',PARM.GO=MAP
3 XXFORT EXEC PGM=IEKAA00,REGION=228K
4 XXSYSPRINT DD SYSOUT=A
5 XXSYSPUNCH DD SYSOUT=B
6 XXSYSLIN DD DSNAME=&LOADSET,UNIT=SYSSQ,DISP=(MOD,PASS),
XX SPACE=(400,(200,50),RLSE)
7 //SYSUT2 DD DSNAME=&SYSUT1,UNIT=SYSDA,SPACE=(1024,(200,20))
8 //SYSIN DD *
9 XXGO EXEC PGM=LOADER,COND=(4,LT),
XX PARM='LET,NORES,EP=MAIN'
10 XXSYSLIB DD DSNAME=SYS1.FORTLIB,DISP=SHR
11 XXSYSLOUT DD SYSOUT=A
12 XXSYSLIN DD DSNAME=&LOADSET,DISP=(OLD,DELETE)
13 XXFT05F001 DD DDNAME=SYSIN
14 XXFT06F001 DD SYSOUT=A
15 XXFT07F001 DD SYSOUT=B
```

STMT NO. MESSAGE

```

15 IEF686I DDNAME REFERRED TO ON DDNAME KEYWORD IN PRIOR STEP WAS NOT RESOLVED
IEF236I ALLOC. FOR MAND#FOR FORT
IEF237I JES2 ALLOCATED TO SYSPRINT
IEF237I JES2 ALLOCATED TO SYSPUNCH
IEF237I 140 ALLOCATED TO SYSLIN
IEF237I 180 ALLOCATED TO SYSUT2
IEF237I JES2 ALLOCATED TO SYSIN
IEF142I MAND#FOR FORT - STEP WAS EXECUTED - COND CODE 0000
IEF285I JES2.JOB01326.S00102 SYSOUT
IEF285I JES2.JOB01326.S00103 SYSOUT
IEF285I SYS20138.T132404.RA000.MAND#FOR.LOADSET PASSED *-----21
IEF285I VOL SER NOS= WORK00.
IEF285I SYS20138.T132404.RA000.MAND#FOR.SYSUT1 DELETED *-----3
IEF285I VOL SER NOS= WORK02.
IEF285I JES2.JOB01326.SI0101 SYSIN
IEF373I STEP /FORT / START 20138.1324
IEF374I STEP /FORT / STOP 20138.1324 CPU OMIN 00.04SEC SRB OMIN 00.02SEC VIRT 292K SYS 216K
*****
* 1. JOBSTEP OF JOB: MAND#FOR STEPNAME: FORT PROGRAM NAME: IEKAA00 EXECUTED ON 17.05.20 FROM 13.24.04 TO 13.24.04 *
* ELAPSED TIME 24:00:00,17 CPU-IDENTIFIER: TK4- PAGE-IN: 0 *
* CPU TIME 00:00:00,06 VIRTUAL STORAGE USED: 292K PAGE-OUT: 0 *
* CORR. CPU: 00:00:00,06 CPU TIME HAS BEEN CORRECTED BY 1 / 1,0 MULTIPLIER *
* *
* I/O OPERATION *
* NUMBER OF RECORDS READ VIA DD * OR DD DATA: 32 *
* DMY.....0 DMY.....0 140.....21 180.....3 DMY.....0 *
* *
* CHARGE FOR STEP (W/O SYSOUT): 0,10 *
*****
IEF236I ALLOC. FOR MAND#FOR GO
IEF237I 148 ALLOCATED TO SYSLIB
IEF237I JES2 ALLOCATED TO SYSLOUT
IEF237I 140 ALLOCATED TO SYSLIN
IEF237I DMY ALLOCATED TO FT05F001
IEF237I JES2 ALLOCATED TO FT06F001
IEF237I JES2 ALLOCATED TO FT07F001
IEF142I MAND#FOR GO - STEP WAS EXECUTED - COND CODE 0000
IEF285I SYS1.FORTLIB KEPT *-----65
IEF285I VOL SER NOS= MVSRES.
IEF285I JES2.JOB01326.S00104 SYSOUT
IEF285I SYS20138.T132404.RA000.MAND#FOR.LOADSET DELETED *-----22
IEF285I VOL SER NOS= WORK00.
IEF285I JES2.JOB01326.S00105 SYSOUT
IEF285I JES2.JOB01326.S00106 SYSOUT
IEF373I STEP /GO / START 20138.1324
IEF374I STEP /GO / STOP 20138.1324 CPU OMIN 00.09SEC SRB OMIN 00.01SEC VIRT 332K SYS 212K
*****
* 2. JOBSTEP OF JOB: MAND#FOR STEPNAME: GO PROGRAM NAME: LOADER EXECUTED ON 17.05.20 FROM 13.24.04 TO 13.24.04 *
* ELAPSED TIME 24:00:00,15 CPU-IDENTIFIER: TK4- PAGE-IN: 0 *
* CPU TIME 00:00:00,10 VIRTUAL STORAGE USED: 332K PAGE-OUT: 0 *
* CORR. CPU: 00:00:00,10 CPU TIME HAS BEEN CORRECTED BY 1 / 1,0 MULTIPLIER *
* *
* I/O OPERATION *
* NUMBER OF RECORDS READ VIA DD * OR DD DATA: 0 *
* 148.....65 DMY.....0 140.....22 DMY.....0 DMY.....0 DMY.....0 *
* *
* CHARGE FOR STEP (W/O SYSOUT): 0,16 *
*****
IEF375I JOB /MAND#FOR/ START 20138.1324
IEF376I JOB /MAND#FOR/ STOP 20138.1324 CPU OMIN 00.13SEC SRB OMIN 00.03SEC

```

COMPILER OPTIONS - NAME= MAIN,OPT=02,LINECNT=50,SIZE=0000K,  
SOURCE,EBCDIC,NOLIST,NODECK,LOAD,NOMAP,NOEDIT,NOID,XREF

```
ISN 0002      INTEGER XSIZE/131/,YSIZE/48/
ISN 0003      DOUBLE PRECISION MINRE/-2/,MINIM/-1/
ISN 0004      DOUBLE PRECISION MAXRE/1/,MAXIM/1/
ISN 0005      INTEGER X,Y,N
ISN 0006      DOUBLE PRECISION STEPX,STEPY,RE,IM,ZR,ZI,A,B
ISN 0007      LOGICAL*1 STR(27)/'A','B','C','D','E','F','G','H','I',
&                'J','K','L','M','N','O','P','Q','R',
&                'S','T','U','V','W','X','Y','Z',' '/
ISN 0008      LOGICAL*1 LINE(132)
ISN 0009      STEPX=(MAXRE-MINRE)/XSIZE
ISN 0010      STEPY=(MAXIM-MINIM)/YSIZE
ISN 0011      DO 30 Y=0,YSIZE
ISN 0012          IM=MINIM+STEPY*Y
ISN 0013          DO 20 X=0,XSIZE
ISN 0014              RE=MINRE+STEPX*X
ISN 0015              ZR=RE
ISN 0016              ZI=IM
ISN 0017              N=1
ISN 0018          10      A=ZR*ZR
ISN 0019              B=ZI*ZI
ISN 0020              IF((A+B).GT.4) GOTO 99
ISN 0022              ZI=ZR*ZI*2+IM
ISN 0023              ZR=A-B+RE
ISN 0024              N=N+1
ISN 0025              IF(N.LT.27) GOTO 10
ISN 0027          99      LINE(X+1)=STR(N)
ISN 0028          20      CONTINUE
ISN 0029              WRITE(6,100) LINE
ISN 0030          30      CONTINUE
ISN 0031              STOP
ISN 0032          100     FORMAT(1X,132A1)
ISN 0033      END
```

SYMBOL	INTERNAL STATEMENT NUMBERS					
A	0006	0018	0020	0023		
B	0006	0019	0020	0023		
N	0005	0017	0024	0024	0025	0027
X	0005	0013	0014	0027		
Y	0005	0011	0012			
IM	0006	0012	0016	0022		
RE	0006	0014	0015	0023		
ZI	0006	0016	0019	0019	0022	0022
ZR	0006	0015	0018	0018	0022	0023
STR	0007	0007	0027			
LINE	0008	0027	0029			
MAXIM	0004	0004	0010			
MAXRE	0004	0004	0009			
MINIM	0003	0003	0010	0012		
MINRE	0003	0003	0009	0014		
STEPX	0006	0009	0014			
STEPLY	0006	0010	0012			
XSIZE	0002	0002	0009	0013		
YSIZE	0002	0002	0010	0011		

LABEL	DEFINED	REFERENCES
10	0018	0025
20	0028	0013
30	0030	0011
99	0027	0020
100	0032	0029

\*OPTIONS IN EFFECT\*        NAME=   MAIN,OPT=02,LINECNT=50,SIZE=0000K,

\*OPTIONS IN EFFECT\*        SOURCE,EBCDIC,NOLIST,NODECK,LOAD,NOMAP,NOEDIT,NOID,XREF

\*STATISTICS\*        SOURCE STATEMENTS =        32 ,PROGRAM SIZE =        900

\*STATISTICS\*   NO   DIAGNOSTICS GENERATED

\*\*\*\*\* END OF COMPILATION \*\*\*\*\*

121K BYTES OF CORE NOT USED

## VS LOADER

OPTIONS USED - PRINT,MAP,NOLET,CALL,RES,NOTERM,SIZE=307200,NAME=\*\*GO

NAME	TYPE	ADDR	NAME	TYPE	ADDR	NAME	TYPE	ADDR	NAME	TYPE	ADDR	NAME	TYPE	ADDR
MAIN	SD	AC010	IHCECOMH*	SD	AC398	IBCOM# *	LR	AC398	FDIOCS# *	LR	AC454	INTSWTCH*	LR	AD2DE
IHCCOMH2*	SD	AD300	SEQDASD *	LR	AD678	IHCFCVTH*	SD	AD960	ADCON# *	LR	AD960	FCVAOUTP*	LR	ADA0A
FCVLOUTP*	LR	ADA9A	FCVZOUTP*	LR	ADBF2	FCVIOUTP*	LR	ADFA6	FCVEOUTP*	LR	AE4A8	FCVCOUTP*	LR	AE6C2
INT6SWCH*	LR	AE9AB	IHCEFIO S*	SD	AEB18	FIOCS# *	LR	AEB18	FIOCSBEP*	LR	AEB1E	IHCFIOS2*	SD	AFA40
IHCEFNT H*	SD	AFF70	ARITH# *	LR	AFF70	ADJSWTCH*	LR	B030C	IHCUOPT *	SD	B04B8	IHCERRM *	SD	B07B8
ERRMON *	LR	B07B8	IHCERRE *	LR	B07D0	IHCUATBL*	SD	B0D98	IHCETRCH*	SD	B13D0	IHCTRCH *	LR	B13D0
ERRTRA *	LR	B13D8												

TOTAL LENGTH	5650
ENTRY ADDRESS	AC010



AAAAAAAAAAAAABBBBBBBBBBBBCCDDDDDDDDDDDDDDDEEEEEFFGHILMIIJLKFEDDDDDDDDDDDCCCCCCCCCBBBBBBBBBBBBBBBBBBBBBBBB  
AAAAAAAAAAAAABBBBBBBBBBBCCDDDDDDDDDDDDDDDEEEEEFFGGHIJMWNIJGFFEEEDDDDDDDDDDDCCCCCCCCCBBBBBBBBBBBBBBBBBBBBBBBB  
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AAAAAABBBBCCDDDDDDDDDDDEEEEEEEEEFFGGIO ZT LLPVKIJKJJKVJIFEEDDDDDDDDDDDCCCCCCCCCBBBBBBBB  
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ACCCDDDDDDDDDDDDDDDEEEEEEEEEFFGGGGIJKMPUNNHFEEDDDDDDDDDDDCCCCCCCCCBBBBBB  
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ACDDDDDDDDDDDDDEEEFFFFFGGHI KJJKK YXNKGFEEDDDDDDDDDDDCCCCCCCCCBBBBBB  
ADDDEEDDDDDDEFFFFFGGGGIKQQQTTROIGFFEEEDDDDDDDDDDDCCCCCCCCCBBBBBB  
AEEEEFFFGGIHGGGGGHHHHIJJKLOTLHGGFFEEEDDDDDDDDDDDCCCCCCCCCBBBBBB  
QVNKIHGFFEEEDDDDDDDDDDDCCCCCCCCCBBBBBB  
AEEEEFFFGGIHGGGGGHHHHIJJKLOTLHGGFFEEEDDDDDDDDDDDCCCCCCCCCBBBBBB  
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AAAAABBBBCCDDDDDDDDDDDDDEEEEEFFGKMO LJIIM RL OPPTVKIJKJJKVJIFEEDDDDDDDDDDDCCCCCCCCCBBBBBBBB  
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