

HH	HH	EEEEEEEEEEEE	RRRRRRRRRR	CCCCCCCCC	00000000	11	RRRRRRRRRR					
HH	HH	EEEEEEEEEEEE	RRRRRRRRRR	CCCCCCCCC	0000000000	111	RRRRRRRRRR					
HH	HH	EE	RR	RR	CC	CC	00	00	1111	RR	RR	
HH	HH	EE	RR	RR	CC		00	00	11	RR	RR	
HH	HH	EE	RR	RR	CC		00	00	11	RR	RR	
HHHHHHHHHHHH	EEEEEE		RRRRRRRRRR	CC		00	00	11		RRRRRRRRRR		
HHHHHHHHHHHH	EEEEEE		RRRRRRRRRR	CC		00	00	11		RRRRRRRRRR		
HH	HH	EE	RR	RR	CC		00	00	11	RR	RR	
HH	HH	EE	RR	RR	CC		00	00	11	RR	RR	
HH	HH	EE	RR	RR	CC	CC	00	00	11	RR	RR	
HH	HH	EEEEEEEEEEEE	RR	RR	CCCCCCCCC		0000000000	1111111111		RR	RR	
HH	HH	EEEEEEEEEEEE	RR	RR	CCCCCCCCC		00000000	1111111111		RR	RR	
	JJ	000000000000	BBBBBBBBBB				44		44		11	
	JJ	000000000000	BBBBBBBBBB				444		444		111	
	JJ	OO	OO	BB	BB		4444		4444		1111	
	JJ	OO	OO	BB	BB		44	44	44	44	11	
	JJ	OO	OO	BB	BB		44	44	44	44	11	
	JJ	OO	OO	BBBBBBBBBB			44	44	44	44	11	
	JJ	OO	OO	BBBBBBBBBB			44	44	44	44	11	
	JJ	OO	OO	BB	BB		444444444444		444444444444		11	
JJ	JJ	OO	OO	BB	BB		44444444444444		44444444444444		11	
JJ	JJ	OO	OO	BB	BB		44		44		11	
JJJJJJJJJJJJ	000000000000		BBBBBBBBBB				44		44		1111111111	
JJJJJJJJJJJJ	000000000000		BBBBBBBBBB				44		44		1111111111	
PPPPPPPPPP	RRRRRRRRRR		00000000		00000000		EEEEEEEEEEEE					
PPPPPPPPPP	RRRRRRRRRR		0000000000		0000000000		EEEEEEEEEEEE					
PP	PP	RR	RR	00	00	00	00	EE				
PP	PP	RR	RR	00	00	00	00	EE				
PP	PP	RR	RR	00	00	00	00	EE				
PPPPPPPPPP	RRRRRRRRRR		00	00	00	00	EEEEEE					
PPPPPPPPPP	RRRRRRRRRR		00	00	00	00	EEEEEE					
PP		RR	RR	00	00	00	00	EE				
PP		RR	RR	00	00	00	00	EE				
PP		RR	RR	00	00	00	00	EE				
PP		RR	RR	0000000000		0000000000	EEEEEEEEEEEE					
PP		RR	RR	00000000		00000000	EEEEEEEEEEEE					
PPPPPPPPPP	RRRRRRRRRR		TTTTTTTTTTTT		11		44		00000000		33333333	
PPPPPPPPPP	RRRRRRRRRR		TTTTTTTTTTTT		111		444		0000000000		3333333333	
PP	PP	RR	RR	TT		1111	4444		00	00	33	33
PP	PP	RR	RR	TT		11	44	44	00	00		33
PP	PP	RR	RR	TT		11	44	44	00	00		33
PPPPPPPPPP	RRRRRRRRRR		TT		11		44	44	00	00		3333
PPPPPPPPPP	RRRRRRRRRR		TT		11		44	44	00	00		3333
PP		RR	RR	TT		11	444444444444		00	00		33
PP		RR	RR	TT		11	444444444444		00	00		33
PP		RR	RR	TT		11	44		00	00	33	33
PP		RR	RR	TT		1111111111	44		0000000000		333333333333	
PP		RR	RR	TT		1111111111	44		00000000		3333333333	

[illegible]

IAT6140 JOB ORIGIN FROM GROUP=ANYLOCAL, DSP=IR , DEVICE=INTRDR , 000
00:27:23 IAT2000 JOB 0441 HERC01R SELECTED TK4A GRP=JS3BATCH
00:27:23 IEF403I HERC01R - STARTED - TIME=00.27.23
00:27:23 IEFACRT - Stepname Procstep Program Retcode
00:27:23 HERC01R HELOWRLD RPG IESRPG RC= 0004
00:27:23 HERC01R HELOWRLD LKED IEWL RC= 0000
00:27:23 HERC01R HELOWRLD GO PGM=*.DD RC= 0000
00:27:23 IEF404I HERC01R - ENDED - TIME=00.27.23

[illegible]

```

//HERC01R JOB  (SETUP),
//              'TEST RPG',
//              CLASS=A,
//              MSGCLASS=A,
//              MSGLEVEL=(1,1),
//              USER=HERC01,PASSWORD=
//*****
//*
//* NAME: SYS2.JCLLIB(TSTRPG)
//*
//* DESC: TEST RPG INSTALLATION
//*
//*****
//HELOWRLD EXEC RPGECLG
//RPG.SYSUT3 DD UNIT=SYSDA
//RPG.SYSUT2 DD UNIT=SYSDA
//RPG.SYSUT1 DD UNIT=SYSDA
//RPG.SYSGO DD UNIT=SYSDA
//RPG.SYSIN DD *
//GO.OUTPUT DD SYSOUT=A
//GO.INPUT DD *
/*
1      //HERC01R JOB  (SETUP),
//              'TEST RPG',
//              CLASS=A,
//              MSGCLASS=A,
//              MSGLEVEL=(1,1),
//              USER=HERC01,PASSWORD=
//*****
//*
//* NAME: SYS2.JCLLIB(TSTRPG)
//*
//* DESC: TEST RPG INSTALLATION
//*
//*****
2      //HELOWRLD EXEC RPGECLG
3      XXDEFAULT PROC RGPARM='NODECK,LOAD,LIST,NOSEQN',SOUT='*',
XX              RGU3SPC='(600,(100,20))',RGU2SPC='(600,(100,20))',
XX              RGU1SPC='(600,(100,20))',RGGOSPC='(80,(200,50))',
XX              LKPARM='XREF,LIST,LET',
XX              LKMDSPC='(1024,(50,20,1))',LKU1SPC='(1024,(50,20))',
XX              GOCOND='((9,LT,RPG),(5,LT,LKED))',GOPARM='DATE=000000'
4      XXRPG      EXEC PGM=IESRPG,PARM=(&RGPARM)
5      XXSYSPRINT DD SYSOUT=&SOUT
6      XXSYSPUNCH DD SYSOUT=B
7      //RPG.SYSUT3 DD UNIT=SYSDA
X/SYSUT3 DD DSNAME=&&SYSUT3,UNIT=SYSSQ,SPACE=&RGU3SPC
8      //RPG.SYSUT2 DD UNIT=SYSDA
X/SYSUT2 DD DSNAME=&&SYSUT2,UNIT=SYSSQ,SPACE=&RGU2SPC
9      //RPG.SYSUT1 DD UNIT=SYSDA
X/SYSUT1 DD DSNAME=&&SYSUT1,UNIT=SYSSQ,SPACE=&RGU1SPC
10     //RPG.SYSGO DD UNIT=SYSDA
X/SYSGO DD DSNAME=&&LOADSET,UNIT=(SYSSQ,SEP=SYSPUNCH),
XX      DISP=(MOD,PASS,DELETE),SPACE=&RGGOSPC
11     //RPG.SYSIN DD *,DCB=BLKSIZE=80
12     XXLKED     EXEC PGM=IEWL,PARM=(&LKPARM)
13     XXSYSLIN   DD DSNAME=&&LOADSET,DISP=(OLD,DELETE)
14     XX          DD DDNAME=SYSIN
15     XXSYSLMOD  DD DSNAME=&&GOSET(RPG),UNIT=SYSDA,DISP=(NEW,PASS,DELETE),
XX      SPACE=&LKMDSPC
16     XXSYSUT1   DD DSNAME=&&SYSUT1,SPACE=&LKU1SPC,
XX      UNIT=(SYSDA,SEP=(SYSLIN,SYSLMOD))
17     XXSYSPRINT DD SYSOUT=&SOUT

```

```
18      XXGO      EXEC PGM=*.LKED.SYSLMOD,COND=&GOCOND,PARM='&GOPARM'
19      //GO.OUTPUT DD SYSOUT=A
20      //GO.INPUT DD  *,DCB=BLKSIZE=80
```

00002300

[illegible]


```
IEF374I STEP /LKED / STOP 16261.0027 CPU 0MIN 00.02SEC SRB 0MIN 00.01SEC VIRT 196K SYS 160K
*****
* 2. Jobstep of job: HERC01R Stepname: LKED Program name: IEWL Executed on 17.09.16 from 00.27.23 to 00.27.23 *
* elapsed time 00:00:00,04 CPU-Identifier: TK4- Page-in: 0 *
* CPU time 00:00:00,03 Virtual Storage used: 196K Page-out: 0 *
* corr. CPU: 00:00:00,03 CPU time has been corrected by 1 / 1,0 multiplier *
* *
* I/O Operation *
* Number of records read via DD * or DD DATA: 0 *
* 190.....101 DMY.....0 180.....9 170.....0 DMY.....0 *
* *
* Charge for step (w/o SYSOUT): 0,05 *
*****
IEF236I ALLOC. FOR HERC01R GO HELOWRLD
IEF237I 180 ALLOCATED TO PGM=*.DD
IEF237I JES3 ALLOCATED TO OUTPUT
IEF237I JES3 ALLOCATED TO INPUT
IEF142I HERC01R GO HELOWRLD - STEP WAS EXECUTED - COND CODE 0000
IEF285I SYS16261.T002723.RA000.HERC01R.GOSET KEPT *-----0
IEF285I VOL SER NOS= WORK02.
IEF285I GO.HELOWRLD.OUTPUT SYSOUT
IEF285I JESI0002 SYSIN
IEF373I STEP /GO / START 16261.0027
IEF374I STEP /GO / STOP 16261.0027 CPU 0MIN 00.00SEC SRB 0MIN 00.00SEC VIRT 12K SYS 168K
IEF237I 180 ALLOCATED TO SYS00001
IEF285I SYS16261.T002723.RA000.HERC01R.R0000001 KEPT *-----0
IEF285I VOL SER NOS= WORK02.
IEF285I SYS16261.T002723.RA000.HERC01R.GOSET DELETED
IEF285I VOL SER NOS= WORK02.
IEF375I JOB /HERC01R / START 16261.0027
IEF376I JOB /HERC01R / STOP 16261.0027 CPU 0MIN 00.07SEC SRB 0MIN 00.03SEC
```

RRRRRRRRRR	PPPPPPPPPPP	GGGGGGGGGGG
RRRRRRRRRRRRR	PPPPPPPPPPPPP	GGGGGGGGGGGGG
RR RR	PP PP	GG GG
RR RR	PP PP	GG
RR RR	PP PP	GG
RRRRRRRRRRRRR	PPPPPPPPPPPPP	GG
RRRRRRRRRRRR	PPPPPPPPPPPPP	GG GGGGG
RR RR	PP	GG GGGGG
RR RR	PP	GG GG
RR RR	PP	GG GG
RR RR	PP	GGGGGGGGGGGGG
RR RR	PP	GGGGGGGGGGG

HH	HH	EEEEEEEEEEEEEE	LL		000000000000	WW	WW	RRRRRRRRRRRR	LL		DDDDDDDDDDDD				
HH	HH	EEEEEEEEEEEEEE	LL		000000000000	WW	WW	RRRRRRRRRRRRRR	LL		DDDDDDDDDDDDDD				
HH	HH	EE	LL		OO	OO	WW	WW	RR	RR	LL	DD	DD		
HH	HH	EE	LL		OO	OO	WW	WW	RR	RR	LL	DD	DD		
HH	HH	EE	LL		OO	OO	WW	WW	RR	RR	LL	DD	DD		
HHHHHHHHHHHHH		EEEEEEE	LL		OO	OO	WW	WW	RRRRRRRRRRRRRR	LL		DD	DD		
HHHHHHHHHHHHH		EEEEEEE	LL		OO	OO	WW	WW	WW	RRRRRRRRRRRR	LL	DD	DD		
HH	HH	EE	LL		OO	OO	WW	WWW	WW	RR	RR	LL	DD	DD	
HH	HH	EE	LL		OO	OO	WW	WW	WW	WW	RR	RR	LL	DD	DD
HH	HH	EE	LL		OO	OO	WWW	WWW	RR	RR	LL	DD	DD		
HH	HH	EEEEEEEEEEEEEE	LLLLLLLLLLLLL		000000000000	WWW	WWW	RR	RR	LLLLLLLLLLLLL		DDDDDDDDDDDDDD			
HH	HH	EEEEEEEEEEEEEE	LLLLLLLLLLLLL		000000000000	WW	WW	RR	RR	LLLLLLLLLLLLL		DDDDDDDDDDDD			

SSSSSSSSSS	YY	YY	SSSSSSSSSS	PPPPPPPPPPP	RRRRRRRRRRR	IIIIIIIIIII	NN	NN	TTTTTTTTTTTTT					
SSSSSSSSSSSSS	YY	YY	SSSSSSSSSSSSS	PPPPPPPPPPPPP	RRRRRRRRRRRRR	IIIIIIIIIII	NNN	NN	TTTTTTTTTTTTT					
SS	SS	YY	YY	SS	SS	PP	PP	RR	RR	II	NNNN	NN	TT	
SS		YY	YY	SS		PP	PP	RR	RR	II	NN	NN	NN	TT
SSS		YYYY		SSS		PP	PP	RR	RR	II	NN	NN	NN	TT
SSSSSSSSSS		YY		SSSSSSSSSS		PPPPPPPPPPPPP		RRRRRRRRRRRRR		II	NN	NN	NN	TT
SSSSSSSSSS		YY		SSSSSSSSSS		PPPPPPPPPPPPP		RRRRRRRRRRRRR		II	NN	NN	NN	TT
	SSS		YY		SSS	PP		RR	RR	II	NN	NN	NN	TT
	SS		YY		SS	PP		RR	RR	II	NN	NNNN		TT
SS	SS		YY		SS	PP		RR	RR	II	NN	NNN		TT
SSSSSSSSSSSSS		YY		SSSSSSSSSSSSS		PP		RR	RR	IIIIIIIIIII	NN	NN		TT
SSSSSSSSSSS		YY		SSSSSSSSSSS		PP		RR	RR	IIIIIIIIIII	NN	N		TT

AAAAAAAAAAAA	
AAAAAAAAAAAA	
AA	AA
AA	AA
AA	AA
AAAAAAAAAAAA	
AAAAAAAAAAAA	
AA	AA
AA	AA
AA	AA
AA	AA
AA	AA

PAGE 0001

[illegible]

SYMBOL TABLES

RESULTING INDICATORS

ADDRESS	RI	ADDRESS	RI	ADDRESS	RI	ADDRESS	RI	ADDRESS	RI	ADDRESS	RI	ADDRESS	RI
000004	U1	000005	U2	000006	U3	000007	U4	000008	U5	000009	U6	00000A	U7
00000B	U8	000011	OF	000014	1P	000015	LR	000016	00	000017	01	00007A	L0
000085	H0	000086	H1	000087	H2	000088	H3	000089	H4	00008A	H5	00008B	H6
00008C	H7	00008D	H8	00008E	H9								

FIELD NAMES

ADDRESS	FIELD	ADDRESS	FIELD	ADDRESS	FIELD	ADDRESS	FIELD	ADDRESS	FIELD
000127	HELLO								
	002				OF				IES213I
	003				01				IES213I

```
IES213I      WARNING - RESULTING INDICATOR IS UNREFERENCED.
```

MEMORY MAP

INPUT/OUTPUT INTERCEPT	000138
TABLE (INPUT AND OUTPUT)	000134
DETERMINE RECORD TYPE	0002E0
DATA SPECIFICATION	000160
GET INPUT RECORD	000510
DETAIL CALCULATIONS	0006DC
TOTAL CALCULATIONS	0006F0
DETAIL LINES	0007E4
TOTAL LINES	000708
INPUT/OUTPUT REQUEST BLOCKS POINTER	000F98
LOCATION OF DCB POINTERS	000848
INPUT/OUTPUT INTERFACE ROUTINES	000A68
LINE COUNTER	000898
WORK AREA POINTER	001328
OVERFLOW BYPASS	0007BA
TABLE(ASSEMBLE 4)	000828
OVERFLOW LINES	00075C
LINKAGE PROGRAM	000FDC

PROGRAM LENGTH 001449

```
*STATISTICS* SOURCE RECORDS =          7
*OPTIONS IN EFFECT* LOAD, NODECK, LIST, NOSEQN
```

'END OF COMPILATION'

F64-LEVEL LINKAGE EDITOR OPTIONS SPECIFIED XREF,LIST,LET
DEFAULT OPTION(S) USED - SIZE=(165888,55296)

CROSS REFERENCE TABLE

CONTROL SECTION			ENTRY							
NAME	ORIGIN	LENGTH	NAME	LOCATION	NAME	LOCATION	NAME	LOCATION	NAME	LOCATION
RPGOBJ	00	1449								

LOCATION REFERS TO SYMBOL IN CONTROL SECTION LOCATION REFERS TO SYMBOL IN CONTROL SECTION

ENTRY ADDRESS FDC

TOTAL LENGTH 1450
***RPG DOES NOT EXIST BUT HAS BEEN ADDED TO DATA SET
AUTHORIZATION CODE IS 0.

HELLO, WORLD







