


```
0058
0059 integer*4 field
0060
0061 integer*4 compress4
0062
0063
0064 field = lib$extzv (9,7,register2)
0065
0066 call lib$insv (lib$extzv (bit_number,2,register1),7,2,field)
0067
0068 call linchk (lun,1)
0069
0070 if (field .gt. 495) then
0071
0072 write(lun,5) 'MAPPING REGISTER >495. SELECTED'
0073 5 format(' ',t40,a)
0074 else
0075
0076 write(lun,10) 'MAPPING REGISTER #',field,'. SELECTED'
0077 10 format(' ',t40,a,i<compress4 (field)>,a)
0078 endif
0079
0080 return
0081
0082
0083
0084 entry calc_map2 (bit_number,register1,register2,map_number)
0085
0086
0087
0088 map_number = lib$extzv (9,7,register2)
0089
0090 call lib$insv(lib$extzv(bit_number,2,register1),7,2,map_number)
0091
0092 return
0093
0094 end
```

PROGRAM SECTIONS

Name	Bytes	Attributes
0 \$CODE	281	PIC CON REL LCL SHR EXE RD NOWRT LONG
1 \$PDATA	96	PIC CON REL LCL SHR NOEXE RD NOWRT LONG
2 \$LOCAL	132	PIC CON REL LCL NOSHR NOEXE RD WRT LONG
Total Space Allocated		509

ENTRY POINTS

Address	Type	Name	Address	Type	Name
0-00000000		CALC_MAP	0-000000BB		CALC_MAP2

VARIABLES

Address	Type	Name	Address	Type	Name	Address	Type	Name	Address	Type	Name
2-00000004@	L*1	BIT_NUMBER	2-00000000	I*4	FIELD	AP-00000004@	L*1	LUN	AP-00000010@	I*4	MAP_NUMBER
2-00000008@	I*4	REGISTER1	2-0000000C@	I*4	REGISTER2						

LABELS

Address	Label	Address	Label
1-0000004B	5'	1-00000052	10'

FUNCTIONS AND SUBROUTINES REFERENCED

Type	Name	Type	Name	Type	Name	Type	Name
I*4	COMPRESS4	I*4	LIB\$EXTZV		LIB\$INSV		LINCHK

N 3
16-Sep-1984 00:18:39
5-Sep-1984 13:49:57

VAX-11 FORTRAN V3.4-56
DISK\$VMSMASTER:[ERF.SRC]CALCMAP.FOR;1

0001

COMMAND QUALIFIERS

FORTRAN /LIS=LIS\$:CALCMAP/OBJ=OBJ\$:CALCMAP MSRCS:CALCMAP

/CHECK=(NOBOUNDS,OVERFLOW,NOUNDERFLOW)

/DEBUG=(NOSYMBOLS,TRACEBACK)

/STANDARD=(NOSYNTAX,NOSOURCE FORM)

/SHOW=(NOPREPROCESSOR,NOINCLUDE,MAP)

/F77 /NOG_FLOATING /I4 /OPTIMIZE /WARNINGS /NOD_LINES /NOCROSS_REFERENCE /NOMACHINE_CODE /CONTINUATIONS=19

COMPILATION STATISTICS

Run Time: 1.27 seconds

Elapsed Time: 4.82 seconds

Page Faults: 107

Dynamic Memory: 169 pages

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