


```
0001 C
0002 C Version: 'V04-000'
0003 C
0004 C*****
0005 C*
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0023 C*
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0025 C*****
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0027 C
0028 C
0029 C AUTHOR BRIAN PORTER CREATION DATE 18-SEP-1979
0030 C
0031 C
0032 c++
0033 c Functional description:
0034 c
0035 c This module returns the which map register is selected by a
0036 c device.
0037 c
0038 c Modified by:
0039 c
0040 c v02-001 BP0001 Brian Porter, 22-JUL-1981
0041 c Added second entry point.
0042 c**
0043 c--
0044
0045
0046 subroutine calc_map (lun,bit_number,register1,register2)
0047
0048
0049 byte lun
0050
0051 byte bit_number
0052
0053 integer*4 register1
0054
0055 integer*4 register2
0056
0057 integer*4 map_number
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PRI

EN

VAI

AI

FUI

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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$extzv (bit_number,2,register1),7,2,field)
0067
0068      call linchk (lun,1)
0069
0070      if (field .gt. 495) then
0071
0072      5      write(lun,5) 'MAPPING REGISTER >495. SELECTED'
0073      format(' ',t40,a)
0074      else
0075
0076      10     write(lun,10) 'MAPPING REGISTER #',field,'. SELECTED'
0077      format(' ',t40,a,i<compress4 (field)>,a)
0078      endif
0079
0080      return
0081
0082
0083
0084      entry calc_map2 (bit_number,register1,register2,map_number)
0085
0086
0087
0088      map_number = lib$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
2-00000004a	L*1	BIT_NUMBER	2-00000000	I*4	FIELD	AP-00000004a	L*1	LUN	AP-00000010a	I*4	MAP_NUMBER
2-00000008a	I*4	REGISTER1	2-0000000ca	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

