


```
0001 C
0002 C Version: 'V04-000'
0003 C
0004 C*****
0005 C*
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0021 C* DIGITAL ASSUMES NO RESPONSIBILITY FOR THE USE OR RELIABILITY OF ITS *
0022 C* SOFTWARE ON EQUIPMENT WHICH IS NOT SUPPLIED BY DIGITAL. *
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0029 C AUTHOR BRIAN PORTER CREATION DATE 07-MAR-79
0030 C
0031 C
0032 C
0033 C++
0034 C Functional description:
0035 C
0036 C This routine outputs the bit-to-text translation for a given
0037 C register bit field. The bit-to-text translation is controlled by
0038 C argument FLAG. If FLAG is '0' then all set bits are translated.
0039 C If FLAG is '1' then all clear bits are translated. If FLAG is '2'
0040 C then all bits are translated according to their polarity.
0041 C
0042 C Modified by:
0043 C
0044 C v03-001 BP0001 Brian Porter, 20-AUG-1982
0045 C Added some definitions.
0046 C**
0047 C--
0048 C
0049 C
0050 C
0051 C subroutine output (lun,register_mask,text_array,text_array_base,
0052 C 1 translation_start_bit,translation_end_bit,translation_control_flag)
0053 C
0054 C
0055 C
0056 C
0057 C byte lun
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PROGRAM SECTIONS

Name	Bytes	Attributes
0 \$CODE	375	PIC CON REL LCL SHR EXE RD NOWRT LONG
1 \$pdata	28	PIC CON REL LCL SHR NOEXE RD NOWRT LONG
2 \$LOCAL	108	PIC CON REL LCL NOSHR NOEXE RD WRT LONG
Total Space Allocated	511	

ENTRY POINTS

Address	Type	Name
0-00000000		OUTPUT

VARIABLES

Address	Type	Name	Address	Type	Name
2-00000004	I*4	I	AP-00000004@	L*1	LUN
2-00000000	I*4	POLARITY	AP-00000008@	I*4	REGISTER_MASK
AP-00000010@	I*4	TEXT_ARRAY_BASE	AP-0000001C@	L*1	TRANSLATION_CONTROL_FLAG
AP-00000018@	I*4	TRANSLATION_END_BIT	AP-00000014@	I*4	TRANSLATION_START_BIT

ARRAYS

Address	Type	Name	Bytes	Dimensions
2-00000008@	CHAR	TEXT_ARRAY	**	(*:*, 0:1)

LABELS

Address	Label	Address	Label	Address	Label
1-00000004	10'	1-00000010	20'	**	100

FUNCTIONS AND SUBROUTINES REFERENCED

Type	Name	Type	Name	Type	Name
I*4	COMPRESSC	I*4	LIB\$EXTZV		LINCHK


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0058      C_string = string
0059
0060      C
0061      C      Locate the first occurrence of the delimiter symbol in the string
0062      C
0063
0064      Sub_string_pos = INDEX (c_string,sub_string)
0065
0066      C
0067      C      If there was no delimiter symbol in the string then output it
0068      C      on one line using the field length that was passed via the call
0069      C
0070
0071      If (sub_string_pos .eq. 0) then
0072
0073      Call LINCHK (lun,1)
0074      Write (lun,10) string
0075      10      Format (' ',T40,A<field_length>)
0076
0077      Return
0078      Endif
0079
0080      C
0081      C      There was a delimiter symbol found in the string; separate the
0082      C      string at the delimiter
0083      C
0084
0085      20      Ret_status = STR$LEFT (array(cnt),c_string,(sub_string_pos - 1))
0086
0087      Cnt = cnt + 1
0088
0089      Rstatus = STR$RIGHT (array(cnt),c_string,(sub_string_pos + 1))
0090
0091      C
0092      C      See if there is another delimiter symbol in the second portion
0093      C      of the string and make a copy of the string
0094      C
0095
0096      Sub_string_pos = INDEX (array(cnt),sub_string)
0097
0098      C_String = array(cnt)
0099
0100      C
0101      C      Check to see if the string has been separated into the maximum
0102      C      number of lines and if so, output the strings
0103      C
0104
0105      If (cnt .eq. 5) then
0106
0107      Goto 25
0108      Endif
0109
0110      C
0111      C      Check to see if a delimiter symbol was found in the second
0112      C      portion of the string and if so, go separate the string
0113      C      again
0114      C
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PROGRAM SECTIONS

Name	Bytes	Attributes
0 \$CODE	414	PIC CON REL LCL SHR EXE RD NOWRT LONG
1 \$PDATA	44	PIC CON REL LCL SHR NOEXE RD NOWRT LONG
2 \$LOCAL	804	PIC CON REL LCL NOSHR NOEXE RD WRT LONG
Total Space Allocated		1262

ENTRY POINTS

Address	Type	Name
0-00000000		OUTPUT_MLINES

VARIABLES

Address	Type	Name	Address	Type	Name
2-000002A0	I*4	CNT	2-000001E0	CHAR	C_STRING
2-000002B8	I*4	FIELD_LENGTH	2-000002B4	I*4	I
AP-00000004	L*1	LUN	2-000002A4	I*4	NUM_LINES
2-000002AC	I*4	RET_STATUS	2-000002B0	I*4	RSTATUS
AP-00000008	CHAR	STRING	AP-0000000C	CHAR	SUB_STRING
2-000002A8	I*4	SUB_STRING_POS			

ARRAYS

Address	Type	Name	Bytes	Dimensions
2-00000000	CHAR	ARRAY	480	(0:5)

LABELS

Address	Label	Address	Label	Address	Label	Address	Label	Address	Label
1-00000004	10'	0-0000006E	20	0-000000EE	25	1-00000010	27'	1-0000001C	30'
**	100							**	40

FUNCTIONS AND SUBROUTINES REFERENCED

Type	Name	Type	Name	Type	Name	Type	Name
I*4	LIB\$INDEX		LINCHK	I*4	STR\$LEFT	I*4	STR\$RIGHT

OUTPUT_MLINES

L 14
16-Sep-1984 00:27:09
5-Sep-1984 14:10:01

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

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COMMAND QUALIFIERS

FORTRAN /LIS=LISS:OUTPUT/OBJ=OBJ\$:OUTPUT MSRCS:OUTPUT

/CHECK=(NOBOUNDS,OVERFLOW,NOUNDERFLOW)

/DEBUG=(NOSYMBOLS,TRACEBACK)

/STANDARD=(NOSYNTAX,NOSOURCE FORM)

/SHOW=(NOPREPROCESSOR,NOINCLUDE,MAP)

/F77 /NOG_FLOATING /14 /OPTIMIZE /WARNINGS /NOD_LINES /NOCROSS_REFERENCE /NOMACHINE_CODE /CONTINUATIONS=19

COMPILATION STATISTICS

Run Time: 2.62 seconds
Elapsed Time: 8.29 seconds
Page Faults: 130
Dynamic Memory: 174 pages

The image displays a grid of 100 small terminal window screenshots, arranged in 10 rows and 10 columns. Each window shows a different screen from the VAX/VMS V4.0 software. The screens contain various data, including lists, tables, and graphical elements like bar charts. Some screens are clearly labeled with titles such as 'PAD DRIVER LIS', 'OUTPUT LIS', 'NEW RTN LIS', 'MT DISMT LIS', 'OPNOUTFIL LIS', and 'NEWFILE LIS'. The overall appearance is that of a dense collection of user interface elements from a mainframe or minicomputer system.