

The image is a large, symmetrical, abstract graphic composed of the letters 'S' and 'Y' arranged in a grid-like pattern. The overall shape is a stylized 'W' or a complex letter 'M'. The letters are arranged in a way that creates a sense of depth and perspective, with the 'S' letters forming the outer edges and the 'Y' letters forming the inner structure. The pattern is highly regular and repetitive, with the letters 'S' and 'Y' appearing in a consistent sequence across the entire composition.

```

FFFFFFFFF  I I I I I  LL  EEEEEEEEE  RRRRRRR  WW  WW  I I I I I  000000
FFFFFFFFF  I I I I I  LL  EEEEEEEEE  RRRRRRR  WW  WW  I I I I I  000000
FF         I I      LL  EE          RR      RR  WW  WW  I I      00      00
FF         I I      LL  EE          RR      RR  WW  WW  I I      00      00
FF         I I      LL  EE          RR      RR  WW  WW  I I      00      00
FF         I I      LL  EE          RR      RR  WW  WW  I I      00      00
FFFFFFFFF  I I      LL  EEEEEEE  RRRRRRR  WW  WW  I I      00      00
FFFFFFFFF  I I      LL  EEEEEEE  RRRRRRR  WW  WW  I I      00      00
FF         I I      LL  EE          RR      RR  WW  WW  I I      00      00
FF         I I      LL  EE          RR      RR  WW  WW  I I      00      00
FF         I I      LL  EE          RR      RR  WWW  WWW  I I      00      00
FF         I I      LL  EE          RR      RR  WWW  WWW  I I      00      00
FF         I I      LL  EEEEEEE  RR      RR  WW  WW  I I I I I  000000
FF         I I      LL  EEEEEEE  RR      RR  WW  WW  I I I I I  000000

LL          I I I I I  SSSSSSSS
LL          I I I I I  SSSSSSSS
LL          I I      SS
LL          I I      SS
LL          I I      SS
LL          I I      SS
LL          I I      SSSSSS
LL          I I      SSSSSS
LL          I I      SS
LL          I I      SS
LL          I I      SS
LL          I I      SS
LLLLLLLLLL I I I I I  SSSSSSSS
LLLLLLLLLL I I I I I  SSSSSSSS


```


(1) 51

RDWRTLBN - READ/WRITE LOGICAL BLOCK NUMBER


```
0000 1 .TITLE FILERWIO - FILEREAD IO MODULE
0000 2 .IDENT 'V04-000'
0000 3 :
0000 4 :*****
0000 5 :
0000 6 :* COPYRIGHT (c) 1978, 1980, 1982, 1984 BY
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0000 23 :*
0000 24 :*
0000 25 :*****
0000 26 :
0000 27 :++
0000 28 : FACILITY: USER CALLABLE PROCEDURES
0000 29 :
0000 30 : ABSTRACT:
0000 31 :
0000 32 : THIS MODULE PERFORMS LOGICAL BLOCK I/O FOR FILEREAD
0000 33 :
0000 34 : ENVIRONMENT: USER MODE
0000 35 :
0000 36 : AUTHOR: PETER H. LIPMAN , CREATION DATE: 14-DEC-76
0000 37 :
0000 38 : MODIFIED BY:
0000 39 :
0000 40 : V02-001 PHL0007 Peter H. Lipman 14-Mar-1981
0000 41 : Extend parmter list to FIL$RDWRTLBN to make it
0000 42 : possible to read more than one block at a time. This
0000 43 : enhancement was made in conjunction with the cacheing
0000 44 : feature in FILEREAD.
0000 45 :
0000 46 :--
```



```
0000 48 :  
0000 49 : .PSECT YFILEREAD,BYTE,EXE  
0000 50  
0000 51 : .SBTTL RDWRTLBN - READ/WRITE LOGICAL BLOCK NUMBER  
0000 52 : ++  
0000 53 : FUNCTIONAL DESCRIPTION:  
0000 54 :  
0000 55 : THIS ROUTINE READS/Writes N BYTES FROM/TO THE SPECIFIED  
0000 56 : LOGICAL BLOCK NUMBER OF THE VOLUME ASSIGNED TO THE SPECIFIED CHANNEL  
0000 57 :  
0000 58 : CALLING SEQUENCE:  
0000 59 :  
0000 60 : CALLG ARGLIST,FIL$RDWRTLBN  
0000 61 :  
0000 62 : INPUT PARAMETERS:  
0000 63 :  
0000 64 : CHAN(AP) = ;CHANNEL ASSIGNED TO THE VOLUME TO READ  
0000 65 : LBN(AP) = ;LOGICAL BLOCK NUMBER TO READ  
0000 66 : BUFADR(AP) = ;ADDRESS OF BUFFER TO READ INTO  
0000 67 : IOFUNC(AP) = ;I/O FUNCTION CODE  
0000 68 : BYTCNT(AP) = ;NUMBER OF BYTES TO TRANSFER  
0000 69 :  
0000 70 : IMPLICIT INPUTS:  
0000 71 :  
0000 72 : NONE  
0000 73 :  
0000 74 : OUTPUT PARAMETERS:  
0000 75 :  
0000 76 : R0 = SYSTEM STATUS CODE  
0000 77 :  
0000 78 : IMPLICIT OUTPUTS:  
0000 79 :  
0000 80 : NONE  
0000 81 :  
0000 82 : COMPLETION CODES:  
0000 83 :  
0000 84 : NONE  
0000 85 :  
0000 86 : SIDE EFFECTS:  
0000 87 :  
0000 88 : NONE  
0000 89 :  
0000 90 : EQUATED SYMBOLS:  
0000 91 :  
0000 92 : OFFSETS FROM AP  
0000 93 :  
00000004 0000 94 : CHAN = 4 ;CHANNEL TO WHICH VOLUME IS ASSIGNED  
00000008 0000 95 : LBN = 8 ;LOGICAL BLOCK NUMBER  
0000000C 0000 96 : BUFADR = 12 ;BUFFER ADDRESS TO READ INTO  
00000010 0000 97 : IOFUNC = 16 ;FUNCTION CODE FOR THE QIO  
00000014 0000 98 : BYTCNT = 20 ;NUMBER OF BYTES TO TRANSFER  
0000 99 :  
0000 100 : --  
0000 101 :  
0000 102 : FIL$RDWRTLBN::  
0000 103 : .WORD 0  
5E 08 C2 0002 104 : SUBL #8,SP ;ALLOCATE AN IO STATUS BLOCK
```


50	5E	D0	0005	105	MOVL	SP,R0	;ADDRESS OF IO STATUS BLOCK
			0008	106	\$QIOW_S	CHAN=CHAN(AP),-	;CHANNEL
			0008	107		FUNC=IOFUNC(AP),-	;I/O FUNCTION CODE
			0008	108		IOSB=(R0),-	;ADDRESS OF I/O STATUS BLOCK
			0008	109		P1=@BUFADR(AP),-	;BUFFER ADDRESS
			0008	110		P2=BYTCNT(AP),-	;NO. OF BYTES
			0008	111		P3=LBN(AP)	;LOGICAL BLOCK NUMBER
03	50	E9	002A	112	BLBC	R0,10\$	;BRANCH IF ERROR
50	6E	3C	002D	113	MOVZWL	(SP),R0	;STATUS CODE FROM I/O STATUS BLOCK
			0030	114			
		04	0030	115			
			0031	116	RET		
			0031	117	.END		

FILERWIO
Symbol table

- FILEREAD IO MODULE

D 1

16-SEP-1984 00:12:18 VAX/VMS Macro V04-00
5-SEP-1984 03:42:09 [SYS.SRC]FILERWIO.MAR;1

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\$\$T1 = 00000001
BUFADR = 0000000C
BYTCNT = 00000014
CHAN = 00000004
FIL\$RDWRTLBN 00000000 RG 01
IOFUNC = 00000010
LBN = 00000008
SY\$SQIOW ***** GX 01

+-----+
! Psect synopsis !
+-----+

PSECT name	Allocation	PSECT No.	Attributes
ABS	00000000 (0.)	00 (0.)	NOPIC USR
YFILEREAD	00000031 (49.)	01 (1.)	NOPIC USR

CON ABS LCL NOSHR NOEXE NORD NOWRT NOVEC BYTE
CON REL LCL NOSHR EXE RD WRT NOVEC BYTE

+-----+
! Performance indicators !
+-----+

Phase	Page faults	CPU Time	Elapsed Time
Initialization	35	00:00:00.04	00:00:02.24
Command processing	134	00:00:00.50	00:00:04.95
Pass 1	112	00:00:00.65	00:00:05.67
Symbol table sort	0	00:00:00.00	00:00:00.00
Pass 2	39	00:00:00.26	00:00:01.92
Symbol table output	1	00:00:00.02	00:00:00.02
Psect synopsis output	1	00:00:00.01	00:00:00.01
Cross-reference output	0	00:00:00.00	00:00:00.00
Assembler run totals	324	00:00:01.50	00:00:14.82

The working set limit was 1050 pages.
2056 bytes (5 pages) of virtual memory were used to buffer the intermediate code.
There were 10 pages of symbol table space allocated to hold 8 non-local and 1 local symbols.
117 source lines were read in Pass 1, producing 11 object records in Pass 2.
4 pages of virtual memory were used to define 4 macros.

+-----+
! Macro library statistics !
+-----+

Macro library name	Macros defined
\$255\$DUA28:[SYS.OBJ]LIB.MLB;1	0
\$255\$DUA28:[SYSLIB]STARLET.MLB;2	4
TOTALS (all libraries)	4

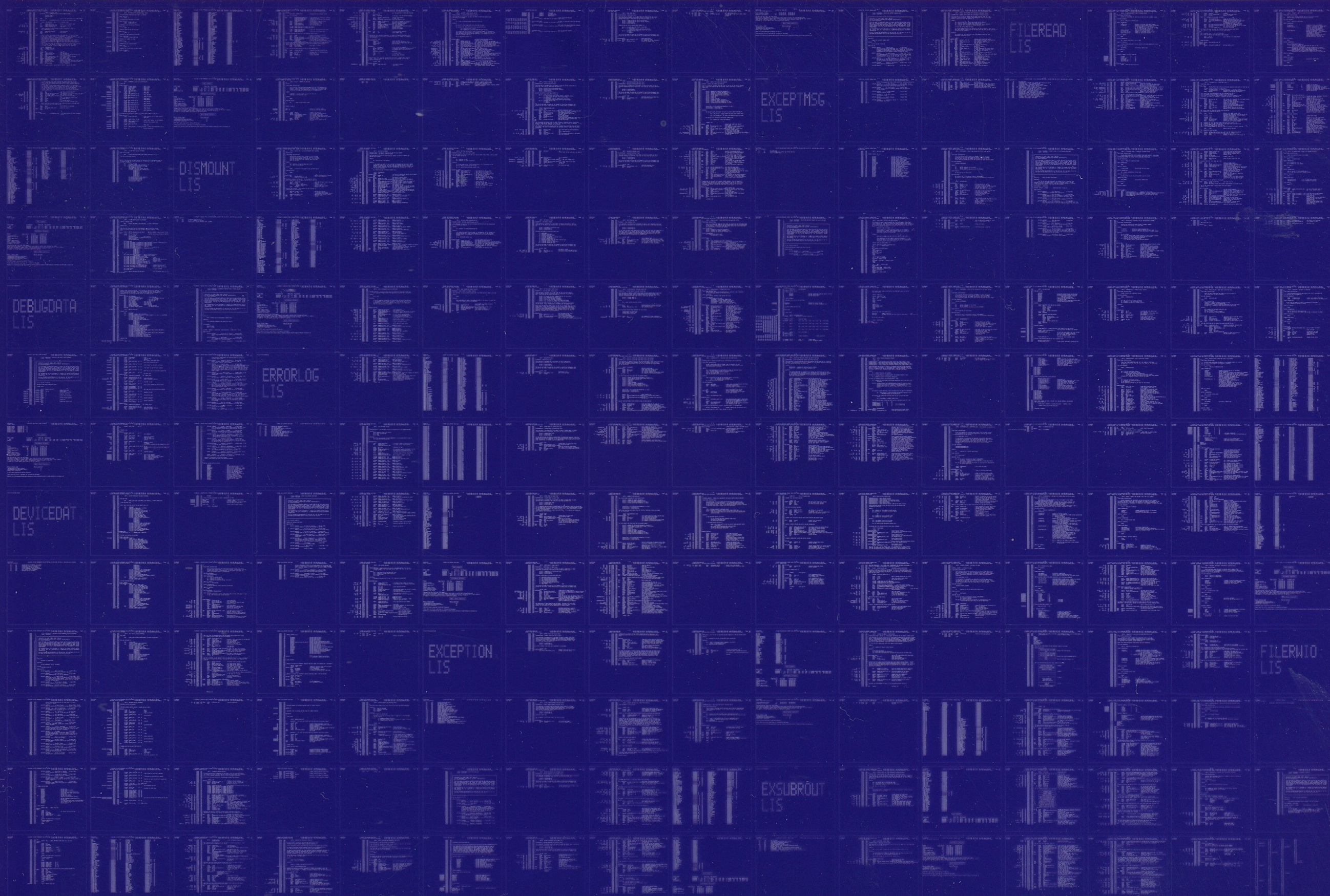
49 GETS were required to define 4 macros.

There were no errors, warnings or information messages.

MACRO/LIS=LISS:FILERWIO/OBJ=OBJ\$:FILERWIO MSRC\$:FILERWIO/UPDATE=(ENH\$:FILERWIO)+EXECMLS/LIB

0374 AH-BT13A-SE
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