


```

RRRRRRRR      EEEEEEEEE  MM      MM  PPPPPPPP      000000      SSSSSSSS  TTTTTTTTTT
RRRRRRRR      EEEEEEEEE  MM      MM  PPPPPPPP      000000      SSSSSSSS  TTTTTTTTTT
RR      RR      EE      MM      MM  PP      PP  00      00  SS      TT
RR      RR      EE      MMMM  MMMM  PP      PP  00      00  SS      TT
RR      RR      EE      MM      MM  PP      PP  00      00  SS      TT
RR      RR      EE      MM      MM  PP      PP  00      00  SS      TT
RRRRRRRR      EEEEEEEEE  MM      MM  PPPPPPPP      00      00  SSSSSS  TT
RRRRRRRR      EEEEEEEEE  MM      MM  PPPPPPPP      00      00  SSSSSS  TT
RR      RR      EE      MM      MM  PP      PP      SS      TT
RR      RR      EE      MM      MM  PP      PP      SS      TT
RR      RR      EE      MM      MM  PP      PP      SS      TT
RR      RR      EE      MM      MM  PP      PP      SS      TT
RR      RR      EEEEEEEEE  MM      MM  PP      PP      SS      TT
RR      RR      EEEEEEEEE  MM      MM  PP      PP      SS      TT

```

```

LL      IIIIII      SSSSSSSS
LL      IIIIII      SSSSSSSS
LL      II      SS
LL      II      SS
LL      II      SS
LL      II      SS
LL      II      SSSSSS
LL      II      SSSSSS
LL      II      SS
LL      II      SS
LL      II      SS
LL      II      SS
LLLLLLLLLLL  IIIIII  SSSSSSSS
LLLLLLLLLLL  IIIIII  SSSSSSSS

```

(1)	37	HISTORY
(1)	51	DECLARATIONS
(1)	75	TERMINATE I/O

```
0000 1 .TITLE REMPOST - USER VIRTUAL I/O COMPLETION
0000 2 .IDENT 'V04-000'
0000 3
0000 4
0000 5 :*****
0000 6 :*
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0000 23 :* SOFTWARE ON EQUIPMENT WHICH IS NOT SUPPLIED BY DIGITAL.
0000 24 :*
0000 25 :*
0000 26 :*****
0000 27
0000 28 :++
0000 29 : FACILITY: VIRTUAL I/O ACP
0000 30
0000 31 : ABSTRACT:
0000 32
0000 33 : ENVIRONMENT:
0000 34 : MODE = KERNEL
0000 35 :--
```

```
0000 37 : .SBTTL HISTORY
0000 38 : AUTHOR: SCOTT G. DAVIS, CREATION DATE: 09-JUL-79
0000 39 :
0000 40 : MODIFIED BY:
0000 41 :
0000 42 : V02-005 DJD2002 Darrell Duffy 3-December-1981
0000 43 : Remove check for queue empty before causing
0000 44 : iopost interrupt. This fixes problem since we may be
0000 45 : swapped out.
0000 46 :
0000 47 : V02-004 DJD2001 Darrell Duffy 11-Mar-1981
0000 48 : RTTDRIVER calls NETDRIVER directly for io
0000 49 :
```

```
0000 51      .SBTTL  DECLARATIONS
0000 52      :
0000 53      : INCLUDE FILES:
0000 54      :
0000 55      $IPLDEF
0000 56      $IRPDEF
0000 57      $PRDEF
0000 58      $UCBDEF
0000 59      $VCBDEF
0000 60
0000 61      :
0000 62      : MACROS:
0000 63      :
0000 64
0000 65      :
0000 66      : EQUATED SYMBOLS:
0000 67      :
0000 68
0000 69      :
0000 70      : OWN STORAGE:
0000 71      :
```

```

00000000 73      .PSECT  REM_CODE,NOWRT
0000      74
0000      75      .SBTTL  TERMINATE I/O
0000      76 :++
0000      77 : FUNCTIONAL DESCRIPTION:
0000      78 :
0000      79 : REM$POST - POST I/O, FIX UP UCB AND VCB COUNTS, CHECK FOR ACP DONE
0000      80 :
0000      81 : CALLING SEQUENCE:
0000      82 :
0000      83 :      BSB      REM$POST
0000      84 :
0000      85 : INPUT PARAMETERS:
0000      86 :
0000      87 :      R3 - IRP ADDRESS
0000      88 :      R5 - UCB ADDRESS
0000      89 :
0000      90 : IMPLICIT INPUTS:
0000      91 :
0000      92 : MESSAGE BUFFER FROM REMOTE
0000      93 :
0000      94 : COMPLETION CODES:
0000      95 :
0000      96 :      WHATEVER CAME OUT OF MESSAGE BUFFER
0000      97 :
0000      98 : SIDE EFFECTS:
0000      99 :
0000     100 :      I/O POSTED FOR USER; UCB, VCB UPDATED
0000     101 :
0000     102 :--
0000     103
0000     104 REM$POST::
70 A5  D6 0000     105 INCL   UCB$L_OPCNT(R5)      ; ANOTHER OPERATION
0003     106 :
0003     107 :      The only transactions that come here now are the cancels.
0003     108 :      Noone increments the count, so we do not decrement it here.
0003     109 :
0003     110 :      MOVL   UCB$L_VCB(R5),R0      ; GET THE VCB ADDRESS
0003     111 :      DECW  VCB$W_TRANS(R0)      ; ONE MORE TRANSACTION COMPLETE
0003     112 :
0003     113 :
0003     114 : POST THE I/O TO THE USER
0003     115 :
00000000'FF 63 0E 0003     116 INSQUE (R3),@L^IOCSGL_PSBL      ; QUEUE PACKET FOR I/O POST
000A     117 :
000A     118 :      Always cause this interrupt incase the queue is blocked because
000A     119 :      someone else has been suspended before causing the softint.
000A     120 :
000A     121 :      BNEQ  10$
000A     122 :      SOFTINT #IPL$_IOPOST      ; POST THE I/O
000D     123 10$:
000D     124 :*****
000D     125 :
000D     126 :      MOVAB  L^REM$UCB0,R1      ; GET REMO'S UCB ADDRESS
000D     127 :      BBC   S^#DEV$V_DMT,UCB$L_DEVCHAR(R1),20$ ; IF BC, NOT MARKED FOR DISMOUNT
000D     128 :      BSBW  REM$DISMOUNT      ; SEE IF DISMOUNT OK
05 000D     129 :20$:
000D     129 RSB

```

REMPOST
V04-000

- USER VIRTUAL I/O COMPLETION
TERMINATE I/O

K 8

16-SEP-1984 02:10:52
5-SEP-1984 02:54:04

VAX/VMS Macro V04-00
[REM.SRC]REMPOST.MAR;1

Page 5
(1)

000E 130
000E 131

.END

REMPOST
Symbol table

- USER VIRTUAL I/O COMPLETION

L 8

16-SEP-1984 02:10:52 VAX/VMS Macro V04-00
5-SEP-1984 02:54:04 [REM.SRC]REMPOST.MAR;1

Page 6
(1)

IOC\$GL_PSBL ***** X 02
IPL\$ IOPOST = 00000004
PRS_SIRR = 00000014
REM\$POST 00000000 RG 02
UCB\$ _OPCNT = 00000070

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

PSECT name	Allocation	PSECT No.	Attributes
. ABS .	00000000 (0.)	00 (0.)	NOPIC USR CON ABS LCL NOSHR NOEXE NORD NOWRT NOVEC BYTE
\$ABSS\$	00000000 (0.)	01 (1.)	NOPIC USR CON ABS LCL NOSHR EXE RD WRT NOVEC BYTE
REM_CODE	0000000E (14.)	02 (2.)	NOPIC USR CON REL LCL NOSHR EXE RD NOWRT NOVEC BYTE

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

Phase	Page faults	CPU Time	Elapsed Time
Initialization	29	00:00:00.09	00:00:00.99
Command processing	110	00:00:00.72	00:00:03.98
Pass 1	267	00:00:06.64	00:00:13.14
Symbol table sort	0	00:00:01.13	00:00:01.74
Pass 2	43	00:00:01.06	00:00:02.69
Symbol table output	2	00:00:00.03	00:00:00.03
Psect synopsis output	2	00:00:00.02	00:00:00.02
Cross-reference output	0	00:00:00.00	00:00:00.00
Assembler run totals	455	00:00:09.70	00:00:22.59

The working set limit was 1050 pages.
36763 bytes (72 pages) of virtual memory were used to buffer the intermediate code.
There were 50 pages of symbol table space allocated to hold 764 non-local and 1 local symbols.
131 source lines were read in Pass 1, producing 13 object records in Pass 2.
13 pages of virtual memory were used to define 12 macros.

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

Macro library name	Macros defined
_\$255\$DUA28:[REM.OBJ]REM.MLB;1	0
-\$255\$DUA28:[SYS.OBJ]LIB.MLB;1	5
-\$255\$DUA28:[SYSLIB]STARLET.MLB;2	4
TOTALS (all libraries)	9

840 GETS were required to define 9 macros.

There were no errors, warnings or information messages.

MACRO/LIS=LIS\$:REMPOST/OBJ=OBJ\$:REMPOST MSRC\$:REMPOST/UPDATE=(ENH\$:REMPOST)+EXECML\$/LIB+LIB\$:REM/LIB

0312 AH-BT13A-SE
VAX/VMS V4.0

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The image displays a 12x12 grid of 144 small terminal window screenshots. Each window shows a different system utility or command-line interface. The windows are arranged in a 12x12 grid. Many windows have titles such as 'REMLOCKDB LIS', 'REMINT LIS', 'REMPST LIS', 'REMGTRP LIS', 'REM', 'REMMACROS MAR', 'REMACP MAP', 'REMACPDAT LIS', 'REMPROTCL LIS', 'REMSUBR LIS', 'REMXPORT LIS', 'STOPREM LIS', 'STOPREM MAP', 'RMS', 'RMS MAP', and 'DAPDEF MDL'. Each window shows a different layout of text, including headers, data lists, and status indicators, representing various system management and utility programs.