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UU      UU      NN      NN      KK      KK      NN      NN      000000      WW      WW      NN      NN
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UU      UU      NN      NN      KK      KK      NN      NN      00      00      WW      WW      NN      NN
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UU      UU      NNNN     NN      KK      KK      NNNN     NN      00      00      WW      WW      NNNN     NN
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```

CU .....<

```
0001          SUBROUTINE UNKNOWN (LUN,HEADER)
0002          C
0003          C Version:      'V04-000'
0004          C
0005          C*****
0006          C*
0007          C*  COPYRIGHT (c) 1978, 1980, 1982, 1984 BY
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0012          C*  ONLY IN ACCORDANCE WITH THE TERMS OF SUCH LICENSE AND WITH THE
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0015          C*  OTHER PERSON. NO TITLE TO AND OWNERSHIP OF THE SOFTWARE IS HEREBY
0016          C*  TRANSFERRED.
0017          C*
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0023          C*  SOFTWARE ON EQUIPMENT WHICH IS NOT SUPPLIED BY DIGITAL.
0024          C*
0025          C*
0026          C*****
0027          C
0028          C
0029          C
0030          C      AUTHOR  BRIAN PORTER          CREATION DATE  26-OCT-1979
0031          C
0032          C++
0033          C      Functional description:
0034          C
0035          C      This module displays entries that are not known to sye
0036          C
0037          C      Modified by:
0038          C
0039          C      V03-002 SAR0215          Sharon A. Reynolds,    28-Mar-1984
0040          C      Changed the label output for UCB$$_OWNUIIC to
0041          C      ORB$$_OWNER.
0042          C
0043          C      V03-001 SAR0105          Sharon A. Reynolds,    20-Jun-1983
0044          C      Changed the carriage control in the 'format' statements
0045          C      for use with ERF.
0046          C
0047          C      v02-003 BP0003          Brian Porter,          02-NOV-1981
0048          C      Added device attention support.
0049          C
0050          C      v02-002 BP0002          Brian Porter,          18-AUG-1981
0051          C      Removed unused code.
0052          C
0053          C      v02-001 BP0001          Brian Porter,          01-MAY-1981
0054          C      Added code to allow upper 16 bits of emb$$_dv_numreg to
0055          C      be used as a flag word, but not cause integer o'flow in
0056          C      this module.
0057          C**
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C--

INCLUDE 'SRCS:MSGHDR.FOR /NOLIST'  
INCLUDE 'SRCS:DEVERR.FOR /NOLIST'  
INCLUDE 'SRCS:VOLMOUNT.FOR /NOLIST'

BYTE LUN  
BYTE GROUP  
BYTE MEMBER  
INTEGER\*4 I  
INTEGER\*4 FIELD  
INTEGER\*4 COMPRESS4  
INTEGER\*4 EMB\$\$\_HD\_TIME(0:1)  
EQUIVALENCE (EMB\$\$\_HD\_TIME,EMB\$\$\_HD\_TIME(0))  
INTEGER\*4 DDB\$\$\_NAME(0:3)  
EQUIVALENCE (EMB(82),DDB\$\$\_NAME)  
LOGICAL\*4 SYSS\$FAO  
EXTERNAL SYSS\$FAO  
CHARACTER\*3 FAO\_CONTROL1  
CHARACTER\*(\*) HEADER  
CHARACTER\*16 DEVICE\_NAME  
CHARACTER\*16 DDB\$\$\_NAME  
EQUIVALENCE (EMB(82),DDB\$\$\_NAME)  
DATA FAO\_CONTROL1 /'!AF'/  
  
ENTRY UNKNOWN1 (LUN)  
  
CALL LINCHK (LUN,3)  
2 WRITE(LUN,2)  
FORMAT(/' ', 'ERROR LOG RECORD', /)  
CALL LINCHK (LUN,2)  
WRITE(LUN,5) EMB\$\$\_HD\_SID

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0336 5   FORMAT(' ',T8,'ERF$S_SID',T24,Z8.8,/,T40,'SYSTEM ID REGISTER')
0337
0338   CALL LINCHK (LUN,2)
0339
0340 10   WRITE(LUN,10) EMB$W_HD_ENTRY
0341   FORMAT(' ',T8,'ERL$Q_ENTRY',T28,Z4.4,/,T40,'ERROR ENTRY TYPE')
0342
0343   CALL LINCHK (LUN,2)
0344
0345 15   WRITE(LUN,15) EMB$S_HD_TIME(0),EMB$S_HD_TIME(1)
0346   FORMAT(' ',T8,'EXE$GQ SYSTIME',T24,Z8.8,/,T24,Z8.8,T40,
0347   1 '64 BIT TIME WHEN ERROR LOGGED')
0348
0349   CALL LINCHK (LUN,2)
0350
0351   FIELD = LIB$EXTZV(0,16,EMB$W_HD_ERRSEQ)
0352
0353 20   WRITE(LUN,20) EMB$W_HD_ERRSEQ,FIELD
0354   FORMAT(' ',T8,'ERL$GL SEQUENCE',T28,Z4.4,/,T40,
0355   1 'UNIQUE ERROR SEQUENCE = ',I<COMPRESS4 (FIELD)>,'.')
0356
0357   RETURN
0358
0359
0360   ENTRY UNKNOWN2 (LUN)
0361
0362
0363
0364
0365   CALL LINCHK (LUN,2)
0366
0367   FIELD = LIB$EXTZV(0,8,EMB$B_DV_ERTCNT)
0368
0369 25   WRITE(LUN,25) EMB$B_DV_ERTCNT,FIELD
0370   FORMAT(' ',T8,'UCB$B_ERTCNT',T30,Z2.2,/,
0371   1 T40,'REMAINING RETRIES = ',I<COMPRESS4 (FIELD)>,'.')
0372
0373   CALL LINCHK (LUN,2)
0374
0375   FIELD = LIB$EXTZV(0,8,EMB$B_DV_ERTMAX)
0376
0377 30   WRITE(LUN,30) EMB$B_DV_ERTMAX,FIELD
0378   FORMAT(' ',T8,'UCB$B_ERTMAX',T30,Z2.2,/,T40,
0379   1 'MAXIMUM RETRIES = ',I<COMPRESS4 (FIELD)>,'.')
0380
0381   CALL LINCHK (LUN,2)
0382
0383 35   WRITE(LUN,35) EMB$S_DV_IOSB1,EMB$S_DV_IOSB2
0384   FORMAT(' ',T8,'IRP$Q_IOSB',T24,Z8.8,/,T24,Z8.8,T40,'FINAL IOSB')
0385
0386   CALL LINCHK (LUN,2)
0387
0388 40   WRITE(LUN,40) EMB$W_DV_STS
0389   FORMAT(' ',T8,'UCB$Q_STS',T28,Z4.4,/,T40,'DEVICE STATUS')
0390
0391   CALL LINCHK (LUN,2)
0392
```

```
0393 FIELD = LIB$EXTZV(0,8,EMBSB_DV_CLASS)
0394
0395 WRITE(LUN,45) EMBSB_DV_CLASS,FIELD
0396 45 FORMAT(' ',T8,'UCBSB_DEVCLASS',T30,Z2.2,/,T40,
0397 1 'DEVICE CLASS = ',I<COMPRESS4 (FIELD)>,'.')
0398
0399 CALL LINCHK (LUN,2)
0400
0401 FIELD = LIB$EXTZV(0,8,EMBSB_DV_TYPE)
0402
0403 WRITE(LUN,50) EMBSB_DV_TYPE,FIELD
0404 50 FORMAT(' ',T8,'UCBSB_DEVTYPÉ',T30,Z2.2,/,T40,
0405 1 'DEVICE TYPE = ',I<COMPRESS4 (FIELD)>,'.')
0406
0407 CALL LINCHK (LUN,2)
0408
0409 WRITE(LUN,55) EMBSL_DV_RQPID
0410 55 FORMAT(' ',T8,'IRPSE_PID',T24,Z8.8,/,T40,
0411 1 'REQUESTING PROCESS ID')
0412
0413 CALL LINCHK (LUN,2)
0414
0415 FIELD = LIB$EXTZV(0,16,EMBSW_DV_BOFF)
0416
0417 WRITE(LUN,60) EMBSW_DV_BOFF,FIELD
0418 60 FORMAT(' ',T8,'IRPSW_BOFF',T28,Z4.4,/,T40,
0419 1 'TRANSFER BYTE OFFSET = ',I<COMPRESS4 (FIELD)>,'.')
0420
0421 CALL LINCHK (LUN,2)
0422
0423 FIELD = LIB$EXTZV(0,16,EMBSW_DV_BCNT)
0424
0425 WRITE(LUN,65) EMBSW_DV_BCNT,FIELD
0426 65 FORMAT(' ',T8,'IRPSW_BCNT',T28,Z4.4,/,T40,
0427 1 'TRANSFER BYTE COUNT = ',I<COMPRESS4 (FIELD)>,'.')
0428
0429 CALL LINCHK (LUN,2)
0430
0431 WRITE(LUN,70) EMBSL_DV_MEDIA
0432 70 FORMAT(' ',T8,'UCBSC_MEDIA',T24,Z8.8,/,T40,
0433 1 'DEVICE DEPENDANT PHYSICAL ADDRESS')
0434
0435 CALL LINCHK (LUN,2)
0436
0437 FIELD = LIB$EXTZV(0,16,EMBSW_DV_UNIT)
0438
0439 WRITE(LUN,75) EMBSW_DV_UNIT,FIELD
0440 75 FORMAT(' ',T8,'UCBSW_UNIT',T28,Z4.4,/,T40,
0441 1 'PHYSICAL UNIT NUMBER = ',I<COMPRESS4 (FIELD)>,'.')
0442
0443 CALL LINCHK (LUN,2)
0444
0445 FIELD = LIB$EXTZV(0,16,EMBSW_DV_ERRCNT)
0446
0447 WRITE(LUN,80) EMBSW_DV_ERRCNT,FIELD
0448 80 FORMAT(' ',T8,'UCBSW_ERRCNT',T28,Z4.4,/,T40,
0449 1 'UNIT ERROR COUNT = ',I<COMPRESS4 (FIELD)>,'.')
0449
```

```

0450
0451      CALL LINCHK (LUN,1)
0452
0453      WRITE(LUN,85) (EMBSL_DV OPCNT,I = 1,2)
0454 85      FORMAT(' ',T8,'UCBSL-OPCNT',T24,Z8.8,/,T40,
0455          1 'UNIT OPERATION COUNT = ',I<COMPRESS4 (EMBSL_DV_OPCNT)>,'.')
0456
0457      CALL LINCHK (LUN,2)
0458
0459      GROUP = LIB$EXTZV(16,8,EMBSL_DV_OWNUIC)
0460
0461      MEMBER = LIB$EXTZV(0,8,EMBSL_DV_OWNUIC)
0462
0463      WRITE(LUN,90) EMBSL_DV_OWNUIC,GROUP,MEMBER
0464 90      FORMAT(' ',T8,'ORBSL-OWNER',T24,Z8.8,/,T40,
0465          1 'OWNER UIC = [',03.3,',',03.3,']')
0466
0467      CALL LINCHK (LUN,2)
0468
0469      WRITE(LUN,95) EMBSL_DV_CHAR
0470 95      FORMAT(' ',T8,'UCBSL-DEVCHAR',T24,Z8.8,/,T40,
0471          1 'DEVICE CHARACTERISTICS')
0472
0473      CALL LINCHK (LUN,2)
0474
0475      FIELD = LIB$EXTZV(0,8,EMBSB_DV_SLAVE)
0476
0477      WRITE(LUN,100) EMBSB_DV_SLAVE,FIELD
0478 100     FORMAT(' ',T8,'UCBSB-SLAVE',T30,Z2.2,/,T40,
0479          1 'DEVICE SLAVE CONTROLLER = ',I<COMPRESS4 (FIELD)>,'.')
0480
0481      CALL LINCHK (LUN,2)
0482
0483      WRITE(LUN,105) EMBSW_DV_FUNC
0484 105     FORMAT(' ',T8,'IRPSW-FUNC',T28,Z4.4,/,T40,
0485          1 'QIO FUNCTION CODE')
0486
0487      CALL LINCHK (LUN,5)
0488
0489      C*****
0490
0491      C      THE FOLLOWING CODE IS DEDICATED TO VMS DEVELOPMENT WITH WHOSE
0492      C      HELP IT WOULD HAVE BEEN UNNECESSARY.
0493      C
0494
0495      FIELD = LIB$EXTZV(0,8,EMBSB_DV_NAMLANG)
0496
0497      IF ((FIELD+63) .LT. 77) THEN
0498
0499      DO 108,I = (FIELD+63),77
0500
0501      EMB(I) = 0
0502
0503 108     CONTINUE
0504     ENDIF
0505
0506      C*****

```

```

0507
0508 IF (.NOT. SYSS$FAO(FAO_CONTROL1, DEVICE_NAME, %VAL(16),
0509 1 %REF(DDB$T_NAME))) DEVICE_NAME = 'SYSS$FAO FAILURE'
0510
0511 WRITE(LUN,110) (DDB$T_NAME(I), I = 0,3), DEVICE_NAME
0512 110 FORMAT(' ',T8,'DDB$T_NAME',4(f24,Z8.8/),T40,'7',A,'/')
0513
0514 DO 130,I = 0,MIN(432,(IAND(EMB$T_DV_NUMREG,'0000ffff'x)*4)),4
0515
0516 CALL LINCHK (LUN,2)
0517
0518 FIELD = I/4 + 1
0519
0520 WRITE(LUN,120) FIELD,(EMB(78+I+J), J = 3,0,-1)
0521 120 FORMAT(' ',T8,'LONGWORD ',I<COMPRESS4 (FIELD)>,'.',T24,Z2.2,/)
0522
0523 130 CONTINUE
0524
0525 RETURN
0526
0527
0528
0529 entry unknown3 (lun)
0530
0531
0532
0533 call linchk (lun,2)
0534
0535 write(lun,135) emb$w_dv_sts
0536 135 format(' ',t8,'UCB$W_STS',t28,z4.4,/,t40,'DEVICE STATUS')
0537
0538 call linchk (lun,2)
0539
0540 field = lib$extzv(0,8,emb$b_dv_class)
0541
0542 write(lun,140) emb$b_dv_class,field
0543 140 format(' ',t8,'UCB$B_DEVCLASS',t30,z2.2,/,t40,
0544 1 'DEVICE CLASS = ',i<compress4 (field)>,'.')
0545
0546 call linchk (lun,2)
0547
0548 field = lib$extzv(0,8,emb$b_dv_type)
0549
0550 write(lun,145) emb$b_dv_type,field
0551 145 format(' ',t8,'UCB$B_DEVTYPE',t30,z2.2,/,t40,
0552 1 'DEVICE TYPE = ',i<compress4 (field)>,'.')
0553
0554 call linchk (lun,2)
0555
0556 field = lib$extzv(0,16,emb$w_dv_unit)
0557
0558 write(lun,150) emb$w_dv_unit,field
0559 150 format(' ',t8,'UCB$W_UNIT',t28,z4.4,/,t40,
0560 1 'PHYSICAL UNIT NUMBER = ',i<compress4 (field)>,'.')
0561
0562 call linchk (lun,2)
0563

```



```

0564      field = lib$extzv(0,16,emb$w_dv_errcnt)
0565
0566      write(lun,155) emb$w_dv_errcnt,field
0567 155     format(' ',t8,'UCB$W-ERRCNT',t28,z4.4,/,t40,
0568         1 'UNIT ERROR COUNT = ',i<compress4 (field)>,'.')
0569
0570      call linchk (lun,1)
0571
0572      write(lun,160) (emb$l_dv_opcnt,i = 1,2)
0573 160     format(' ',t8,'UCB$L-OPCNT',t24,z8.8,/,t40,
0574         1 'UNIT OPERATION COUNT = ',i<compress4 (emb$l_dv_opcnt)>,'.')
0575
0576      call linchk (lun,2)
0577
0578      group = lib$extzv(16,8,emb$l_dv_ownuic)
0579
0580      member = lib$extzv(0,8,emb$l_dv_ownuic)
0581
0582      write(lun,165) emb$l_dv_ownuic,group,member
0583 165     format(' ',t8,'ORB$L-OWNER',t24,z8.8,/,t40,
0584         1 'OWNER UIC = [',o3.3,',',o3.3,']')
0585
0586      call linchk (lun,2)
0587
0588      write(lun,170) emb$l_dv_char
0589 170     format(' ',t8,'UCB$L-DEVCHAR',t24,z8.8,/,t40,
0590         1 'DEVICE CHARACTERISTICS')
0591
0592      call linchk (lun,2)
0593
0594      field = lib$extzv(0,8,emb$b_dv_slave)
0595
0596      write(lun,175) emb$b_dv_slave,field
0597 175     format(' ',t8,'UCB$b-SLAVE',t30,z2.2,/,t40,
0598         1 'DEVICE SLAVE CONTROLLER = ',i<compress4 (field)>,'.')
0599
0600      call linchk (lun,5)
0601
0602 c*****
0603
0604 c      the following code is dedicated to vms development with whose
0605 c      help it would have been unnecessary.
0606 c
0607
0608      field = lib$extzv(0,8,emb$b_dv_namlng)
0609
0610      if ((field+63) .lt. 77) then
0611
0612      do 180,i = (field+63),77
0613
0614      emb(i) = 0
0615
0616 180     continue
0617     endif
0618
0619 c*****
0620

```

```

0621      if (.not. sys$fao(fao_control1,,device_name,%val(16),
0622      1 %ref(ddb$t_name))) device_name = 'SYS$FAO FAILURE'
0623
0624      write(lun,185) (ddb$l_name(i),i = 0,3),device_name
0625      185      format(' ',t8,'DDB$t_NAME',4(t24,z8.8/),t40,'7',a,'/')
0626
0627      do 195,i = 0,min(432,(IAND(emb$l_dv_numreg,'0000FFFF'X)*4)),4
0628
0629      call linchk (lun,2)
0630
0631      field = i/4 + 1
0632
0633      write(lun,190) field,(emb(78+i+j),j = 3,0,-1)
0634      190      format(' ',t8,'LONGWORD ',i<compress4 (field)>,'.',t24,4z2.2,/)
0635
0636      195      continue
0637
0638      return
0639
0640      end

```

## PROGRAM SECTIONS

Name	Bytes	Attributes
0 \$CODE	2790	PIC CON REL LCL SHR EXE RD NOWRT LONG
1 \$PDATA	1866	PIC CON REL LCL SHR NOEXE RD NOWRT LONG
2 \$LOCAL	356	PIC CON REL LCL NOSHR NOEXE RD WRT LONG
3 EMB	512	PIC OVR REL GBL SHR NOEXE RD WRT LONG
Total Space Allocated	5524	

## ENTRY POINTS

Address	Type	Name	Address	Type	Name	Address	Type	Name	Address	Type	Name
0-00000000		UNKNOWN	0-00000017		UNKNOWN1	0-00000128		UNKNOWN2	0-00000670		UNKNOWN3

## VARIABLES

Address	Type	Name	Address	Type	Name
3-0000003E	CHAR	DDB\$t_NAME	2-00000005	CHAR	DEVICE_NAME
3-0000001C	L*1	EMB\$B_DV_CLASS	3-00000010	L*1	EMB\$B_DV_ERTCNT
3-00000011	L*1	EMB\$B_DV_ERTMAX	3-0000003E	L*1	EMB\$B_DV_NAMLNG
3-0000003A	L*1	EMB\$B_DV_SLAVE	3-0000001D	L*1	EMB\$B_DV_TYPE
3-0000001E	L*1	EMB\$B_VM_NAMLNG	3-00000036	I*4	EMB\$B_DV_CHAR
3-00000012	I*4	EMB\$B_DV_IOSB1	3-00000016	I*4	EMB\$B_DV_IOSB2
3-00000026	I*4	EMB\$B_DV_MEDIA	3-0000004E	I*4	EMB\$B_DV_NUMREG
3-0000002E	I*4	EMB\$B_DV_OPCNT	3-00000032	I*4	EMB\$B_DV_OWNUIC
3-0000001E	I*4	EMB\$B_DV_RQPID	3-00000000	I*4	EMB\$B_HD_SID
3-00000014	I*4	EMB\$B_VM_ERRCNT	3-00000018	I*4	EMB\$B_VM_OPRCNT

3-00000010	I*4	EMBSL_VM_OWNUIC	3-0000003F	CHAR	EMB\$T_DV_NAME
3-00000032	CHAR	EMB\$T_VM_LABEL	3-0000001F	CHAR	EMB\$T_VM_NAME
3-00000024	I*2	EMBSW_DV_BCNT	3-00000022	I*2	EMBSW_DV_BOFF
3-0000002C	I*2	EMBSW_DV_ERRCNT	3-0000003C	I*2	EMBSW_DV_FUNC
3-0000001A	I*2	EMBSW_DV_STS	3-0000002A	I*2	EMBSW_DV_UNIT
3-00000004	I*2	EMBSW_HD_ENTRY	3-0000000E	I*2	EMBSW_HD_ERRSEQ
3-00000030	I*2	EMBSW_VM_NUMSET	3-0000001C	I*2	EMBSW_VM_UNIT
3-0000002E	I*2	EMBSW_VM_VCLNUM	2-00000002	CHAR	FAO CONTROL
2-0000001C	I*4	FIELD	2-00000000	L*1	GROOP
AP-00000008a	CHAR	HEADER	2-00000018	I*4	I
2-00000020	I*4	J	AP-00000004a	L*1	LUN
2-00000001	L*1	MEMBER			

ARRAYS

Address	Type	Name	Bytes	Dimensions
3-0000003E	I*4	DDB\$L_NAME	16	(0:3)
3-00000000	L*1	EMB	512	(0:511)
3-00000052	I*4	EMBSL_DV_REGSAV	420	(0:104)
3-00000006	I*4	EMBSL_HD_TIME	8	(0:1)
3-00000006	I*4	EMBSQ_HD_TIME	8	(2)

LABELS

Address	Label	Address	Label	Address	Label	Address	Label	Address	Label	Address	Label
1-0000001C	2'	1-00000034	5'	1-00000061	10'	1-0000008E	15'	1-000000D0	20'	1-00000112	25'
1-0000014D	30'	1-00000186	35'	1-000001B1	40'	1-000001D9	45'	1-00000211	50'	1-00000247	55'
1-00000277	60'	1-000002B3	65'	1-000002EE	70'	1-0000032C	75'	1-00000368	80'	1-000003A2	85'
1-000003DF	90'	1-00000415	95'	1-0000044A	100'	1-0000048A	105'	**	108	1-000004B7	110'
1-000004DD	120'	**	130	1-000004FF	135'	1-00000527	140'	1-0000055F	145'	1-00000595	150'
1-000005D1	155'	1-0000060B	160'	1-00000648	165'	1-0000067E	170'	1-000006B3	175'	**	180
1-000006F3	185'	1-00000719	190'	**	195						

FUNCTIONS AND SUBROUTINES REFERENCED

Type	Name	Type	Name	Type	Name	Type	Name
I*4	COMPRESS4	I*4	LIB\$EXTZV		LINCHK	L*4	SYSS\$FAO

COMMAND QUALIFIERS

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 /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

UNKNOWN

I 16  
16-Sep-1984 00:29:50  
5-Sep-1984 14:24:50

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COMPILATION STATISTICS

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Page Faults:	237
Dynamic Memory:	236 pages

