

BTJS

F Y I

12/13

Demo

00000operator: 000CG here at MIT x 5854

Multics in operation on Fri 13 Dec 1968 at 16:08:11.01875 FST

Log in please: Garman.MAC
 DBR values for rings 0,1,& 32
 DBR 7506 774
 DBR 7556 774
 DBR 00 000
 r 0.1 0.0 0

MSS-1.9 at M.H.

check_ran
 w 1609:59.0
 check_ran cannot be found
 r 8.4 14.2 276

list check_ran
 w 1610:27.2
 r 14.9 12.3 190

check_random
 w 1611:14.4

0	499	499
1	533	533
2	517	517
3	514	514
4	520	520
5	521	521
6	500	500
7	534	534
8	505	505
9	511	511
10	477	477
11	525	525
12	511	511
13	496	496

```

17      495      495
18      483      483
20
21      511      511
22      502      502
23      480      480
24      540      540
25      512      512
26      513      513
27      480      480
28      511      511
29      495      495
30      486      486
31      506      506
32      512      512
33      537      537
34      545      545
35      551      551
        538      538

```

```

Type <NL> to try again: q
r 1:53.7 38.5 525

```

```

edm demo.eplbsa
w 1615:27.1
Segment not found.
Input.

```

```

        name      demo
        entry      demo
        segref     write_out,n1
demo:   save
        call      n1(args)
        return
args:   arg      2*2;      arg #      0
        arg      mspec    #;      arg #      0
        arg      =0
mspec:  arg      string;   arg      0
        arg      =36/nchar*9,o9@  arg      =v36/0,o9/240,27/nchar
string: aci      "Hello out there in demonstartion land."
        equ      nchars,38
        end

```

```

.
Edit.
t
l string:
string: aci      "Hello out there in demonstartion land."
c/tart/trat/
string: aci      "Hello out there in demonstration land."
s

```

```

r 5:22.8 29.3 401

```

```

print demo.eplbsa 15

```

```
mspec: arg string; arg 0
        arg =v36/0,09/240,27/nchars*9
string: aci "Hello out there in demonstration land."
        equ nchars,38
        end
```

```
r 27.7 12.5 143
```

```
eplbsa demo
w 1622:04.8
.FPLBSA. MULTICS VERSION 01, 01 SEPT 1968.
ç000.FPLBSA. BEGIN ASSEMBLY.
ç000ç000ç000.FPLBSA. BEGIN PASS1.
ç000ç000ç000.FPLBSA. BEGIN PASS2.
ç000ç000ç000.FPLBSA. NO FATAL ERROR IN ABOVE ASSEMBLY.
ç000r 1:17.4 51.0 595
```

```
demo
w 1623:51.2
Hello out there in demonstration land.
r 7.1 10.2 116
```

```
demo
w 1624:11.8
Hello out there in demonstration land.
r 1.0 2.1 24
```

```
demo
w 1624:20.5
Hello out there in demonstration land.
r 0.1 1.1 0
```

```
demo
w 1624:28.4
Hello out there in demonstration land.
r 0.1 1.1 0
```

```
tnd8
w 1624:37.0
Type <NL> to write pattern:
Type <NL> to start compare:
```

```
545736:
000000000000 000000000000 000000000000 000000000000
000000000000 000000000000 000000000000 000000000000
000000000000 000000000000 000000000000 000000000000
777777777777 777777777777 000000000000 777777777777
Finished compare.
```

```
Type <NL> to start compare:
```

```
545736:
000000000000 000000000000 000000000000 000000000000
000000000000 000000000000 000000000000 000000000000
000000000000 000000000000 000000000000 000000000000
777777777777 777777777777 000000000000 777777777777
Finished compare.
```

```
Type <NL> to start compare: w
Type <NL> to write pattern:
Type <NL> to start compare:
```

w 1628:33.0
r 0.4 1.0 6

link <Neumann.ep1>bond#bons
w 1629:15.3
r 7.1 6.3 89

print bonbn#ons
w 1629:42.3
print: can't find segment.
r 3.3 6.4 67

unlink bonbons
w 1629:58.2
r 4.4 5.2 102

link <Neumann.BTL #>bonbons
w 1630:20.7
r 2.6 5.8 76

print bonbons
w 1630:30.6

bonbons

```
a:=0
b:=0
print(b:=b+(a:=a+1));while a<40
g:=1
f:=0
print(f:=(h:=g)+(g:=f));while f<100000
```

r 5.7 5.7 39

bon bonbonb#s
w 1630:51.6
b-o-n
Type

- 1
- 3
- 6
- 10
- 15
- 21
- 28
- 36
- 45
- 55
- 66
- 78
- 91
- 105
- 120
- 136
- 153
- 171
- 190
- 210
- 231
- 253
- 276

```
378
406
435
465
496
528
561
595
630
666
703
741
780
820
1
1
2
3
5
8
13
21
34
55
89
144
233
377
610
987
1597
2584
4181
6765
10946
17711
28657
46368
75025
121393
@@quit()
FND
```

```
r 1:45.0 38.1 188
```

```
edm bonbons
w 1633:46.0
Edit.
l +1
print(h:=b+(a:=a+1));while a<40
c/+1/+2/
print(h:=b+(a:=a+2));while a<40
se@s newbon
```

```
r 52.8 16.6 130
```

```
print newbon
w 1635:01.7
```

newbon

```
a:=0
b:=0
print(h:=b+(a:=a+2));while a<40
```

r 4.9 4.1 42

hon newbon
w 1635:35.7

h-o-n

Type

2

6

12

20

30

42

56

72

90

110

132

156

182

210

240

272

306

342

380

420

1

1

2

3

5

8

13

21

34

55

89

144

233

377

610

987

1597

2584

4181

6765

10946

17711

28657

46368

75025

121393

quit()

END

r 40.7 28.6 217

list

w 1636:58.4

Branches

tnd2.link

tnd2.ent

tnd6
 tnd7.link
 gen_ran.link
 genran.ep1bsa
 gen_ran
 check_random
 check_random.link
 chkran.ep1
 tnd5
 tnd4.ep1
 tnd4.link
 tnd5.link
 tnd4
 tnd5.ep1
 tnd7.ep1
 tnd6.ep1
 tnd8
 tnd8.link
 tnd8.symbol
 dec09a.error
 tnd8.ep1
 demo.ep1bsa
 demo
 demo.link
 demo.symbol
 demo.list
 newbon

bonbons

>user_dir_dir>Neumann.BTL>bonbons

r 36.8 15.5 71

probe

w 1638:21.0

- segstatus demo

0241 root>system_root>user_dir_dir>Garman.MAC>demo

1 rewa 12/13/68 1623.1 EST Fri

- segdump demo

Segment demo 000241

000000	600022352120 277740332100	200020652100 600032250100	200040352100 600000254100	277762252100 600010753100
000010	000016350000 600010073100	600024357100 600024610100	400010710120 000004000000	600020173120 000000000000
000020	000023000000 000000000000	000000000000 000042000000	000040000000 110145154154	000026000000 157040157165
000030	164040164150 163164162141	145162145040 164151157156	151156040144 040154141156	145155157156 144056000000
000040	000000000000 000004000000	000000000000 000014000001	000000000000 004144145155	240000000526 157000000000
000050	000012000000 164141142154	000000000002 145000000000	014163171155 000017000000	142157154137 000030000002
000060	010162145154 000040000002	137164145170 010162145154	164000000000 137154151156	000024000000 153000000000
000070	000031000000 142157154000	000044000002 000000000000	012162145154 002156154000	137163171155 011167162151

```
000110 000000000000 000000000000 000000000000 000000000000
000000000000 000000000000 000000000000 000000000000
```

=====

```
001770 000000000000 000000000000 000000000000 000000000000
000000000000 000000000000 000000000000 000000000000
```

- stack

Stack trace of segment stack_01. Number 000151

Number	Name	Start	Size
0257	probe 2407	004750	0440
0257	probe 7324	004560	0170
0257	probe 25323	004430	0130
0224	listener 7121	004070	0340
0224	listener 5314	003260	0610
0224	listener 4531	002030	1230
0224	listener 1256	001440	0370
0223	print 30237	001270	0150
0171	multics 2574	000310	0760
0175	bit_to 2147	000220	0070
0171	multics 353	000050	0150

- quit

w@@@echo c<pdr#lr>