```
Script started on Wed 24 Apr 2013 01:10:27 PM CDT
ESC]0;cs441104@cs:~/os_part5BEL[cs441104@cs os_part5]$ ls
a.out  instructions.h  os_part5.c  sampleRun.txt  userPrograms.txt
ESC]0;cs441104@cs:~/os_part5BEL[cs441104@cs os_part5]$ a.out

    Creating FAT
To run a program, type 'run programName'
Valid program names: 'user1' or 'user2'


User 1: run
user1

Priority 2 request added

User 1 Running...
    Load
    Store
    Load

User 1 process moved to rear of queue 2

Priority Queues
---------------
One:
Two:    0


User 2: run user2

Priority 2 request added

User 1 Running...
    Add Register
    Store
    Halt
Execution complete.

User 1 Page Table
Page    |   Frame
0   |   39
        156:    x080A
        157:    x1006
        158:    x0905
        159:    x4100
1   |   6
        24: x1007
        25: xF000
        26: x000A
        27: x000F

User 1 process removed from queue 2
User 2 process promoted to priority 1
```

```
Priority Queues
---------------
One:   2
Two:



Operating System: dmp


---------------------------------
    DUMP START
---------------------------------


Clock: 8

REGISTERS
---------------------------------
A   x000F
1   x0005
2   x0000
3   x0000
PC  x001A
CC  x0001
IR  xF000


MEMORY
---------------------------------
24  x1007    UNLOCKED
25  xF000    UNLOCKED
26  x000A    UNLOCKED
27  x000F    UNLOCKED
156 x080A    UNLOCKED
157 x1006    UNLOCKED
158 x0905    UNLOCKED
159 x4100    UNLOCKED


DISK
---------------------------------
0   x080A
1   x1006
2   x0905
3   x4100
4   x1007
5   xF000
6   x0000
7   x0000


Priority Queues
---------------
One:   2
Two:

---------------------------------
```

```
    DUMP COMPLETE
---------------------------------

User 2 Running...
    Load
    Store
    Load

User 2 process demoted to priority 2

Priority Queues
---------------
One:
Two:    0


User 1: run user1

Priority 2 request added

User 2 Running...
    Subtract Register
    Store
    Halt
Execution complete.

User 2 Page Table
Page    |    Frame
0    |    41
          164:    x0819
          165:    x1006
          166:    x0905
          167:    x5100
1    |    51
          204:    x1007
          205:    xF000
          206:    x0019
          207:    x0014

User 2 process removed from queue 2
User 1 process promoted to priority 1

Priority Queues
---------------
One:    1
Two:


User 2: run user2

Priority 2 request added

User 1 Running...
```

```
    Load
    Store
    Load


User 1 process demoted to priority 2
User 2 process promoted to priority 1


Priority Queues
---------------
One:   2
Two:   0



Operating System: nop

No request added

User 2 Running...
    Load
    Store
    Load


User 2 process demoted to priority 2


Priority Queues
---------------
One:
Two:   0    1



User 1: run user1

Priority 2 request added

User 1 Running...
    Add Register
    Store
    Halt
Execution complete.

User 1 Page Table
Page     |    Frame
0   |    17
         68: x080A
         69: x1006
         70: x0905
         71: x4100
1   |    63
         252:     x1007
         253:     xF000
         254:     x000A
         255:     x000F
```

```
User 1 process removed from queue 2

Priority Queues
---------------
One:
Two:    0    1


User 2: run user2

Priority 2 request added

User 2 Running...
    Subtract Register
    Store
    Halt
Execution complete.

User 2 Page Table
Page     |    Frame
0    |    10
          40: x0819
          41: x1006
          42: x0905
          43: x5100
1    |    44
          176:    x1007
          177:    xF000
          178:    x0019
          179:    x0014

User 2 process removed from queue 2
User 1 process promoted to priority 1

Priority Queues
---------------
One:    1
Two:    0


Operating System: nop

No request added

User 1 Running...
    Load
    Store
    Load

User 1 process demoted to priority 2
User 2 process promoted to priority 1

Priority Queues
```

```
---------------
One:    2
Two:    0


User 1: run user1

Priority 2 request added

User 2 Running...
    Load
    Store
    Load

User 2 process demoted to priority 2

Priority Queues
---------------
One:
Two:    0    1    2


User 2: run usBS BSBS BSBS BSBS BSBS BSBS BShop

No request added

User 1 Running...
    Add Register
    Store
    Halt
Execution complete.

User 1 Page Table
Page    |    Frame
0   |    41
         164:    x080A
         165:    x1006
         166:    x0905
         167:    x4100
1   |    13
         52: x1007
         53: xF000
         54: x000A
         55: x000F

User 1 process removed from queue 2
User 1 process promoted to priority 1

Priority Queues
---------------
One:    1
Two:    0
```

```
Operating System: nop

No request added

User 1 Running...
    Load
    Store
    Load

User 1 process demoted to priority 2

Priority Queues
---------------
One:
Two:    0    1


User 1: nop

No request added

User 2 Running...
    Subtract Register
    Store
    Halt
Execution complete.

User 2 Page Table
Page    |   Frame
0   |   58
        232:    x0819
        233:    x1006
        234:    x0905
        235:    x5100
1   |   43
        172:    x1007
        173:    xF000
        174:    x0019
        175:    x0014

User 2 process removed from queue 2

Priority Queues
---------------
One:
Two:    0


User 2: nop

No request added
```

```
User 1 Running...
    Add Register
    Store
    Halt
Execution complete.


User 1 Page Table
Page    |    Frame
0    |    50
            200:     x080A
            201:     x1006
            202:     x0905
            203:     x4100
1    |    59
            236:     x1007
            237:     xF000
            238:     x000A
            239:     x000F


User 1 process removed from queue 2


Priority Queues
---------------
One:
Two:



Operating System: sBS BSstp


Priority 1 request added


User 0 process removed from queue 1
---------------------------------
     DUMP START
---------------------------------


Clock: 18


REGISTERS
---------------------------------
A    x000F
1    x0005
2    x0000
3    x0000
PC   x00EE
CC   x0001
IR   xF000


MEMORY
---------------------------------
24   x1007      UNLOCKED
25   xF000      UNLOCKED
26   x000A      UNLOCKED
```

```
27  x000F    UNLOCKED
40  x0819    UNLOCKED
41  x1006    UNLOCKED
42  x0905    UNLOCKED
43  x5100    UNLOCKED
52  x1007    UNLOCKED
53  xF000    UNLOCKED
54  x000A    UNLOCKED
55  x000F    UNLOCKED
68  x080A    UNLOCKED
69  x1006    UNLOCKED
70  x0905    UNLOCKED
71  x4100    UNLOCKED
156 x080A    UNLOCKED
157 x1006    UNLOCKED
158 x0905    UNLOCKED
159 x4100    UNLOCKED
164 x080A    UNLOCKED
165 x1006    UNLOCKED
166 x0905    UNLOCKED
167 x4100    UNLOCKED
172 x1007    UNLOCKED
173 xF000    UNLOCKED
174 x0019    UNLOCKED
175 x0014    UNLOCKED
176 x1007    UNLOCKED
177 xF000    UNLOCKED
178 x0019    UNLOCKED
179 x0014    UNLOCKED
200 x080A    UNLOCKED
201 x1006    UNLOCKED
202 x0905    UNLOCKED
203 x4100    UNLOCKED
204 x1007    UNLOCKED
205 xF000    UNLOCKED
206 x0019    UNLOCKED
207 x0014    UNLOCKED
232 x0819    UNLOCKED
233 x1006    UNLOCKED
234 x0905    UNLOCKED
235 x5100    UNLOCKED
236 x1007    UNLOCKED
237 xF000    UNLOCKED
238 x000A    UNLOCKED
239 x000F    UNLOCKED
252 x1007    UNLOCKED
253 xF000    UNLOCKED
254 x000A    UNLOCKED
255 x000F    UNLOCKED


DISK

--------------------------------

0   x080A
```

```
1    x1006
2    x0905
3    x4100
4    x1007
5    xF000
6    x0000
7    x0000
100  x0819
101  x1006
102  x0905
103  x5100
104  x1007
105  xF000
106  x0000
107  x0000


Priority Queues
---------------
One:
Two:


--------------------------------
    DUMP COMPLETE
--------------------------------


--------------------------------
    MACHINE HALTED
--------------------------------
```

ESC]0;cs441104@cs:~/os_part5BEL[cs441104@cs os_part5]$ exit
exit

Script done on Wed 24 Apr 2013 01:11:16 PM CDT