```
0. Start
1. Terminate
2. Quit

> Enter id: Enter the size:

     PID        PN
     ===        ==
     one         0
     one         1
     one         2
     one         3
     one         4
     one         5
     one         6
     one         7
     one         8
     one         9
     ###         0
     ###         0
     ###         0
     ###         0
     ###         0
     ###         0
     ###         0
     ###         0
     ###         0
     ###         0
     ###         0
     ###         0
     ###         0
     ###         0
     ###         0
     ###         0
     ###         0
     ###         0
     ###         0
     ###         0
     ###         0
     ###         0
     ###         0


     PID      SIZE     PAGES     STATE
     ===      ====     =====     =====
     one      4756        10   running


     PID    MPMT->PMT[]
     ===    ===========
     one              0  0 1 2 3 4 5 6 7 8 9


0. Start
1. Terminate
2. Quit

> Enter id: Enter the size:

     PID        PN
     ===        ==
     one         0
     one         1
     one         2
     one         3
     one         4
     one         5
     one         6
     one         7
     one         8
     one         9
     two         0
     two         1
     two         2
     two         3
     two         4
     two         5
     two         6
     two         7
     two         8
```

```
     two         9
     two        10
     two        11
     two        12
     two        13
     two        14
     two        15
     ###         0
     ###         0
     ###         0
     ###         0
     ###         0
     ###         0


     PID      SIZE     PAGES     STATE
     ===      ====     =====     =====
     one      4756        10   running
     two      7931        16   running


     PID    MPMT->PMT[]
     ===    ===========
     one              0  0 1 2 3 4 5 6 7 8 9
     two             10  10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25


0. Start
1. Terminate
2. Quit

> Enter id: Enter the size:

     PID        PN
     ===        ==
     one         0
     one         1
     one         2
     one         3
     one         4
     one         5
     one         6
     one         7
     one         8
     one         9
     two         0
     two         1
     two         2
     two         3
     two         4
     two         5
     two         6
     two         7
     two         8
     two         9
     two        10
     two        11
     two        12
     two        13
     two        14
     two        15
   three         0
   three         1
   three         2
   three         3
   three         4
     ###         0


     PID      SIZE     PAGES     STATE
     ===      ====     =====     =====
     one      4756        10   running
     two      7931        16   running
   three      2328         5   running


     PID    MPMT->PMT[]
     ===    ===========
     one              0  0 1 2 3 4 5 6 7 8 9
```

```
     two            10  10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25
   three            26  26 27 28 29 30


0. Start
1. Terminate
2. Quit

> Enter id: Enter the size:

     PID        PN
     ===        ==
     one         0
     one         1
     one         2
     one         3
     one         4
     one         5
     one         6
     one         7
     one         8
     one         9
     two         0
     two         1
     two         2
     two         3
     two         4
     two         5
     two         6
     two         7
     two         8
     two         9
     two        10
     two        11
     two        12
     two        13
     two        14
     two        15
   three         0
   three         1
   three         2
   three         3
   three         4
     ###         0


     PID      SIZE     PAGES     STATE
     ===      ====     =====     =====
     one      4756        10   running
     two      7931        16   running
   three      2328         5   running
    four       812         2     ready


     PID    MPMT->PMT[]
     ===    ===========
     one              0  0 1 2 3 4 5 6 7 8 9
     two             10  10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25
   three             26  26 27 28 29 30


0. Start
1. Terminate
2. Quit

> Enter id:

     PID        PN
     ===        ==
     one         0
     one         1
     one         2
     one         3
     one         4
     one         5
     one         6
     one         7
     one         8
     one         9
```

```
     two         0
     two         1
     two         2
     two         3
     two         4
     two         5
     two         6
     two         7
     two         8
     two         9
     two        10
     two        11
     two        12
     two        13
     two        14
     two        15
    four         0
    four         1
     ###         0
     ###         0
     ###         0
     ###         0


     PID      SIZE     PAGES     STATE
     ===      ====     =====     =====
     one      4756        10   running
     two      7931        16   running
   three      2328         5      halt
    four       812         2   running


     PID    MPMT->PMT[]
     ===    ===========
     one              0  0 1 2 3 4 5 6 7 8 9
     two             10  10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25
    four             26  26 27


0. Start
1. Terminate
2. Quit

> Enter id:

     PID        PN
     ===        ==
     one         0
     one         1
     one         2
     one         3
     one         4
     one         5
     one         6
     one         7
     one         8
     one         9
     ###         0
     ###         0
     ###         0
     ###         0
     ###         0
     ###         0
     ###         0
     ###         0
     ###         0
     ###         0
     ###         0
     ###         0
     ###         0
     ###         0
     ###         0
     ###         0
     ###         0
    four         0
    four         1
     ###         0
     ###         0
     ###         0
     ###         0
```

```
     PID      SIZE     PAGES     STATE
     ===      ====     =====     =====
     one      4756        10   running
     two      7931        16      halt
   three      2328         5      halt
    four       812         2   running


     PID    MPMT->PMT[]
     ===    ===========
     one              0  0 1 2 3 4 5 6 7 8 9
    four             26  26 27


0. Start
1. Terminate
2. Quit

> Enter id: Enter the size:

     PID        PN
     ===        ==
     one         0
     one         1
     one         2
     one         3
     one         4
     one         5
     one         6
     one         7
     one         8
     one         9
    five         0
    five         1
    five         2
    five         3
    five         4
    five         5
    five         6
     ###         0
     ###         0
     ###         0
     ###         0
     ###         0
     ###         0
     ###         0
     ###         0
     ###         0
    four         0
    four         1
     ###         0
     ###         0
     ###         0
     ###         0


     PID      SIZE     PAGES     STATE
     ===      ====     =====     =====
     one      4756        10   running
     two      7931        16      halt
   three      2328         5      halt
    four       812         2   running
    five      3144         7   running


     PID    MPMT->PMT[]
     ===    ===========
     one              0  0 1 2 3 4 5 6 7 8 9
    four             26  26 27
    five             10  10 11 12 13 14 15 16


0. Start
1. Terminate
2. Quit

> Enter id:
```

```
     PID        PN
     ===        ==
     ###         0
     ###         0
     ###         0
     ###         0
     ###         0
     ###         0
     ###         0
     ###         0
     ###         0
     ###         0
    five         0
    five         1
    five         2
    five         3
    five         4
    five         5
    five         6
     ###         0
     ###         0
     ###         0
     ###         0
     ###         0
     ###         0
     ###         0
     ###         0
     ###         0
    four         0
    four         1
     ###         0
     ###         0
     ###         0
     ###         0


     PID      SIZE     PAGES     STATE
     ===      ====     =====     =====
     one      4756        10      halt
     two      7931        16      halt
   three      2328         5      halt
    four       812         2   running
    five      3144         7   running


     PID    MPMT->PMT[]
     ===    ===========
    four             26  26 27
    five             10  10 11 12 13 14 15 16


0. Start
1. Terminate
2. Quit

> Enter id:

     PID        PN
     ===        ==
     ###         0
     ###         0
     ###         0
     ###         0
     ###         0
     ###         0
     ###         0
     ###         0
     ###         0
     ###         0
    five         0
    five         1
    five         2
    five         3
    five         4
    five         5
    five         6
     ###         0
     ###         0
```

```
     ###         0
     ###         0
     ###         0
     ###         0
     ###         0
     ###         0
     ###         0
     ###         0
     ###         0
     ###         0
     ###         0
     ###         0
     ###         0
     ###         0

     PID      SIZE     PAGES     STATE
     ===      ====     =====     =====
     one      4756        10      halt
     two      7931        16      halt
   three      2328         5      halt
    four       812         2      halt
    five      3144         7   running

     PID    MPMT->PMT[]
     ===    ===========
    five             10  10 11 12 13 14 15 16


0. Start
1. Terminate
2. Quit

> Enter id: Enter the size:

     PID        PN
     ===        ==
     six         0
     six         1
     six         2
     six         3
     six         4
     ###         0
     ###         0
     ###         0
     ###         0
     ###         0
    five         0
    five         1
    five         2
    five         3
    five         4
    five         5
    five         6
     ###         0
     ###         0
     ###         0
     ###         0
     ###         0
     ###         0
     ###         0
     ###         0
     ###         0
     ###         0
     ###         0
     ###         0
     ###         0
     ###         0
     ###         0
     ###         0

     PID      SIZE     PAGES     STATE
     ===      ====     =====     =====
     one      4756        10      halt
     two      7931        16      halt
   three      2328         5      halt
    four       812         2      halt
    five      3144         7   running
     six      2120         5   running
```

```
     PID    MPMT->PMT[]
     ===    ===========
    five             10  10 11 12 13 14 15 16
     six              0  0 1 2 3 4


0. Start
1. Terminate
2. Quit

> Enter id: Enter the size:

     PID        PN
     ===        ==
     six         0
     six         1
     six         2
     six         3
     six         4
   seven         0
   seven         1
   seven         2
     ###         0
     ###         0
    five         0
    five         1
    five         2
    five         3
    five         4
    five         5
    five         6
     ###         0
     ###         0
     ###         0
     ###         0
     ###         0
     ###         0
     ###         0
     ###         0
     ###         0
     ###         0
     ###         0
     ###         0
     ###         0
     ###         0
     ###         0
     ###         0


     PID      SIZE     PAGES     STATE
     ===      ====     =====     =====
     one      4756        10      halt
     two      7931        16      halt
   three      2328         5      halt
    four       812         2      halt
    five      3144         7   running
     six      2120         5   running
   seven      1171         3   running


     PID    MPMT->PMT[]
     ===    ===========
    five             10  10 11 12 13 14 15 16
     six              0  0 1 2 3 4
   seven              5  5 6 7


0. Start
1. Terminate
2. Quit

> Enter id:

     PID        PN
     ===        ==
     ###         0
     ###         0
     ###         0
```

```
     ###         0
     ###         0
   seven         0
   seven         1
   seven         2
     ###         0
     ###         0
    five         0
    five         1
    five         2
    five         3
    five         4
    five         5
    five         6
     ###         0
     ###         0
     ###         0
     ###         0
     ###         0
     ###         0
     ###         0
     ###         0
     ###         0
     ###         0
     ###         0
     ###         0
     ###         0
     ###         0
     ###         0

     PID      SIZE     PAGES     STATE
     ===      ====     =====     =====
     one      4756        10      halt
     two      7931        16      halt
   three      2328         5      halt
    four       812         2      halt
    five      3144         7   running
     six      2120         5      halt
   seven      1171         3   running

     PID    MPMT->PMT[]
     ===    ===========
    five             10  10 11 12 13 14 15 16
   seven              5  5 6 7


0. Start
1. Terminate
2. Quit

> Enter id: Enter the size:

     PID        PN
     ===        ==
   eight         0
     ###         0
     ###         0
     ###         0
     ###         0
   seven         0
   seven         1
   seven         2
     ###         0
     ###         0
    five         0
    five         1
    five         2
    five         3
    five         4
    five         5
    five         6
     ###         0
     ###         0
     ###         0
     ###         0
     ###         0
     ###         0
```

```
     ###         0
     ###         0
     ###         0
     ###         0
     ###         0
     ###         0
     ###         0
     ###         0
     ###         0

     PID      SIZE     PAGES     STATE
     ===      ====     =====     =====
     one      4756        10      halt
     two      7931        16      halt
   three      2328         5      halt
    four       812         2      halt
    five      3144         7   running
     six      2120         5      halt
   seven      1171         3   running
   eight       331         1   running

     PID    MPMT->PMT[]
     ===    ===========
    five             10  10 11 12 13 14 15 16
   seven              5  5 6 7
   eight              0  0

0. Start
1. Terminate
2. Quit

> Enter id:

     PID        PN
     ===        ==
   eight         0
     ###         0
     ###         0
     ###         0
     ###         0
     ###         0
     ###         0
     ###         0
     ###         0
     ###         0
    five         0
    five         1
    five         2
    five         3
    five         4
    five         5
    five         6
     ###         0
     ###         0
     ###         0
     ###         0
     ###         0
     ###         0
     ###         0
     ###         0
     ###         0
     ###         0
     ###         0
     ###         0
     ###         0
     ###         0
     ###         0

     PID      SIZE     PAGES     STATE
     ===      ====     =====     =====
     one      4756        10      halt
     two      7931        16      halt
   three      2328         5      halt
    four       812         2      halt
    five      3144         7   running
```

```
     six      2120         5      halt
   seven      1171         3      halt
   eight       331         1   running


     PID    MPMT->PMT[]
     ===    ===========
    five             10  10 11 12 13 14 15 16
   eight              0  0


0. Start
1. Terminate
2. Quit

> Enter id: Enter the size:

     PID        PN
     ===        ==
   eight         0
    nine         0
     ###         0
     ###         0
     ###         0
     ###         0
     ###         0
     ###         0
     ###         0
     ###         0
    five         0
    five         1
    five         2
    five         3
    five         4
    five         5
    five         6
     ###         0
     ###         0
     ###         0
     ###         0
     ###         0
     ###         0
     ###         0
     ###         0
     ###         0
     ###         0
     ###         0
     ###         0
     ###         0
     ###         0
     ###         0


     PID      SIZE     PAGES     STATE
     ===      ====     =====     =====
     one      4756        10      halt
     two      7931        16      halt
   three      2328         5      halt
    four       812         2      halt
    five      3144         7   running
     six      2120         5      halt
   seven      1171         3      halt
   eight       331         1   running
    nine       214         1   running


     PID    MPMT->PMT[]
     ===    ===========
    five             10  10 11 12 13 14 15 16
   eight              0  0
    nine              1  1


0. Start
1. Terminate
2. Quit

> Enter id: Enter the size:
```

```
     PID        PN
     ===        ==
   eight         0
    nine         0
     ten         0
     ten         1
     ten         2
     ten         3
     ten         4
     ten         5
     ten         6
     ten         7
    five         0
    five         1
    five         2
    five         3
    five         4
    five         5
    five         6
     ten         8
     ten         9
     ten        10
     ###         0
     ###         0
     ###         0
     ###         0
     ###         0
     ###         0
     ###         0
     ###         0
     ###         0
     ###         0
     ###         0
     ###         0

     PID      SIZE     PAGES     STATE
     ===      ====     =====     =====
     one      4756        10      halt
     two      7931        16      halt
   three      2328         5      halt
    four       812         2      halt
    five      3144         7   running
     six      2120         5      halt
   seven      1171         3      halt
   eight       331         1   running
    nine       214         1   running
     ten      5122        11   running

     PID    MPMT->PMT[]
     ===    ===========
    five             10  10 11 12 13 14 15 16
   eight              0  0
    nine              1  1
     ten              2  2 3 4 5 6 7 8 9 17 18 19


0. Start
1. Terminate
2. Quit

>

     PID        PN
     ===        ==
   eight         0
    nine         0
     ten         0
     ten         1
     ten         2
     ten         3
     ten         4
     ten         5
     ten         6
     ten         7
    five         0
    five         1
    five         2
```

```
 five         3
 five         4
 five         5
 five         6
  ten         8
  ten         9
  ten        10
  ###         0
  ###         0
  ###         0
  ###         0
  ###         0
  ###         0
  ###         0
  ###         0
  ###         0
  ###         0
  ###         0
  ###         0
```

PID	SIZE	PAGES	STATE
one	4756	10	halt
two	7931	16	halt
three	2328	5	halt
four	812	2	halt
five	3144	7	running
six	2120	5	halt
seven	1171	3	halt
eight	331	1	running
nine	214	1	running
ten	5122	11	running

PID	MPMT->PMT[]	
five	10	10 11 12 13 14 15 16
eight	0	0
nine	1	1
ten	2	2 3 4 5 6 7 8 9 17 18 19