Here is an example of the output for the GamingParlor problem.

There are 8 groups, named A through H. Each group does the following:

```plaintext
for i = 1 to 5
    obtain dice
    ...play game (no actual work)...
    return dice
endFor
```

Each group needs a different number of dice.

- Group A needs 4 dice.
- Group B needs 4 dice.
- Group C needs 5 dice.
- Group D needs 5 dice.
- Group E needs 2 dice.
- Group F needs 2 dice.
- Group G needs 1 die.
- Group H needs 1 die.

There are a total of 8 dice available, so sometimes groups must wait between requesting dice and the dice being granted and being allowed to proceed.

```
====================  KPL PROGRAM STARTING  ====================
Initializing Thread Scheduler...
A requests 4
---------------------Number of dice now avail = 8
A proceeds with 4
---------------------Number of dice now avail = 4
B requests 4
---------------------Number of dice now avail = 4
B proceeds with 4
---------------------Number of dice now avail = 0
A releases and adds back 4
---------------------Number of dice now avail = 4
H requests 1
---------------------Number of dice now avail = 4
H proceeds with 1
---------------------Number of dice now avail = 3
B releases and adds back 4
---------------------Number of dice now avail = 7
A requests 4
---------------------Number of dice now avail = 7
A proceeds with 4
---------------------Number of dice now avail = 3
C requests 5
---------------------Number of dice now avail = 3
F requests 2
---------------------Number of dice now avail = 3
G requests 1
---------------------Number of dice now avail = 3
D requests 5
---------------------Number of dice now avail = 3
B requests 4
---------------------Number of dice now avail = 3
E requests 2
```
A releases and adds back 4
C proceeds with 5
H releases and adds back 1
A requests 4
F proceeds with 2
H requests 1
F releases and adds back 2
C releases and adds back 5
G proceeds with 1
D proceeds with 5
F requests 2
G releases and adds back 1
C requests 5
D releases and adds back 5
G requests 1
B proceeds with 4
E proceeds with 2
B releases and adds back 4
A proceeds with 4
H proceeds with 1
D requests 5
B requests 4
A releases and adds back 4
F proceeds with 2
E releases and adds back 2
C proceeds with 5
H releases and adds back 1
F releases and adds back 2
A requests 4
E requests 2  
------------------------------Number of dice now avail = 3
G proceeds with 1  
------------------------------Number of dice now avail = 2
H requests 1  
------------------------------Number of dice now avail = 2
F requests 2  
------------------------------Number of dice now avail = 2
C releases and adds back 5  
------------------------------Number of dice now avail = 7
D proceeds with 5  
------------------------------Number of dice now avail = 2
C requests 5  
------------------------------Number of dice now avail = 2
G releases and adds back 1  
------------------------------Number of dice now avail = 3
D releases and adds back 5  
------------------------------Number of dice now avail = 8
B proceeds with 4  
------------------------------Number of dice now avail = 4
A proceeds with 4  
------------------------------Number of dice now avail = 0
G requests 1  
------------------------------Number of dice now avail = 0
B releases and adds back 4  
------------------------------Number of dice now avail = 4
E proceeds with 2  
------------------------------Number of dice now avail = 2
D requests 5  
------------------------------Number of dice now avail = 2
B requests 4  
------------------------------Number of dice now avail = 2
H proceeds with 1  
------------------------------Number of dice now avail = 1
E releases and adds back 2  
------------------------------Number of dice now avail = 3
F proceeds with 2  
------------------------------Number of dice now avail = 1
H releases and adds back 1  
------------------------------Number of dice now avail = 2
E requests 2  
------------------------------Number of dice now avail = 2
F releases and adds back 2  
------------------------------Number of dice now avail = 4
H requests 1  
------------------------------Number of dice now avail = 4
F requests 2  
------------------------------Number of dice now avail = 4
A releases and adds back 4  
------------------------------Number of dice now avail = 8
C proceeds with 5  
------------------------------Number of dice now avail = 3
A requests 4  
------------------------------Number of dice now avail = 3
G proceeds with 1  
------------------------------Number of dice now avail = 3
C releases and adds back 5  
------------------------------Number of dice now avail = 7
G releases and adds back 1
Number of dice now avail = 8
D proceeds with 5
------------------------------Number of dice now avail = 3
G requests 1
------------------------------Number of dice now avail = 3
D releases and adds back 5
------------------------------Number of dice now avail = 8
C requests 5
------------------------------Number of dice now avail = 8
B proceeds with 4
------------------------------Number of dice now avail = 4
E proceeds with 2
------------------------------Number of dice now avail = 2
D requests 5
------------------------------Number of dice now avail = 2
B releases and adds back 4
------------------------------Number of dice now avail = 6
E releases and adds back 2
------------------------------Number of dice now avail = 8
H proceeds with 1
------------------------------Number of dice now avail = 8
F proceeds with 2
------------------------------Number of dice now avail = 5
B requests 4
------------------------------Number of dice now avail = 5
A proceeds with 4
------------------------------Number of dice now avail = 1
E requests 2
------------------------------Number of dice now avail = 1
F releases and adds back 2
------------------------------Number of dice now avail = 3
G proceeds with 1
------------------------------Number of dice now avail = 2
F requests 2
------------------------------Number of dice now avail = 2
H releases and adds back 1
------------------------------Number of dice now avail = 3
A releases and adds back 4
------------------------------Number of dice now avail = 7
C proceeds with 5
------------------------------Number of dice now avail = 2
H requests 1
------------------------------Number of dice now avail = 2
G releases and adds back 1
------------------------------Number of dice now avail = 3
C releases and adds back 5
------------------------------Number of dice now avail = 8
G requests 1
------------------------------Number of dice now avail = 8
D proceeds with 5
------------------------------Number of dice now avail = 3
C requests 5
------------------------------Number of dice now avail = 3
D releases and adds back 5
------------------------------Number of dice now avail = 8
B proceeds with 4
------------------------------Number of dice now avail = 4
D requests 5
------------------------------Number of dice now avail = 4
E proceeds with 2
------------------------Number of dice now avail = 2
F proceeds with 2
------------------------Number of dice now avail = 0
E releases and adds back 2
------------------------Number of dice now avail = 2
F releases and adds back 2
------------------------Number of dice now avail = 4
B releases and adds back 4
------------------------Number of dice now avail = 8
H proceeds with 1
------------------------Number of dice now avail = 7
G proceeds with 1
------------------------Number of dice now avail = 6
C proceeds with 5
------------------------Number of dice now avail = 1
E requests 2
------------------------Number of dice now avail = 1
H releases and adds back 1
------------------------Number of dice now avail = 2
C releases and adds back 5
------------------------Number of dice now avail = 7
G releases and adds back 1
------------------------Number of dice now avail = 8
D proceeds with 5
------------------------Number of dice now avail = 3
E proceeds with 2
------------------------Number of dice now avail = 1
D releases and adds back 5
------------------------Number of dice now avail = 6
E releases and adds back 2
------------------------Number of dice now avail = 8

***** A 'wait' instruction was executed and no more interrupts are scheduled... halting emulation *****