## Presentation/Test Shell: Command Language and Output

### Mandatory Commands

The following commands will be used in the test files for this project:

* in

Restore the system to its initial state.

* cr <p>

Invoke function create(), which creates a new process at the priority level <p>;   
<p> can be 1 or 2 (0 is reserved for init process)

* de <i>

Invoke the function destroy(), which destroy the process identified by the PCB index <i>, and all of its descendants

* rq <r> <n>

Invoke the function request(), which requests <n> units of resource <r>;   
<r> can be 0, 1, 2, or 3; n=1 for <r>=0 and <r>=1, <n>=2 for <r>=2, and <n>=3 for <r>=3.

* rl <r> <n>

Invoke the function release(), which release the resource <r>;  
<r> can be 0, 1, 2, or 3; <n> gives the number of units to be released

* to

Invoke the function timeout().

**Output**

* For each input command, output the index of the process running next
  + output only a single integer, separated from the previous integer by a blank space
  + output no other additional information
* If an error occurs, output -1 instead of the process index and ignore the command
  + the next command will be “in” to start a new test sequence
* Start a new line for each “in” command