IPC Online
Section: B2
Time: 25 min

Run three threads.
   a. Thread1 prints 'A' in an infinite loop
   b. Thread2 prints 'B' in an infinite loop
   c. Thread3 prints 'C' in an infinite loop

Now, these three threads should run independently. At each iteration, L letters are printed in a line followed by a $. There are N iterations.

Input: N = 3 L = 10
Outpt: All of the following lines are possible outputs.

ABCBCBCBAC$ [iteration 1]
CBACABCACB$ [iteration 2]
BACBCABABA$ [iteration 3]

 Implement this using semaphore only. [Hint: Only one semaphore lock will suffice for this code.]

Create a file `<student_id>.cpp` and submit it.