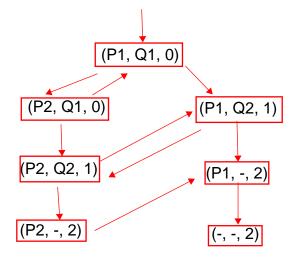
I pledge my honor that I have abided by the Stevens Honor System.

## **Assignment 1**

Ex. 1

1.



- 3. No because the trace (P1, Q1, 0)→(P1, Q2, 1)→ (P1, -, 2)→ (-, -, 2) Proves that 2 doesn't have to appear in every output.
- Only once because once n is equal to two, it will no longer enter the while loop.

 $\rightarrow$  (P2, -, 2)  $\rightarrow$  (P1, -, 2)  $\rightarrow$  (-, -, 2)

5. Infinite # of times.

6. Infinite # of times.

7. Length 0 if thread Q is executed entirely before thread P.