Quiz

 What if we reverse the order of the first two lines the 2process Peterson's algorithm

P0:	P1:
turn = 1;	turn = 0;
<pre>flag[0] = true;</pre>	<pre>flag[1] = true;</pre>
	•••

Wöuld it work?

- Prove that Peterson's N-process algorithm ensures:
 - ✓ mutual exclusion: no two processes are in the critical section at a time
 - ✓ starvation freedom: every process in the trying section eventually reaches the critical section (assuming no process fails in the trying, critical, or exit sections)
- Show that the lock-based producer-consumer is correct

