0 5 17	Homework	< 1	
1. 2. 3. 4.	slobal int n = 1 thread P: { while (n<2) Print(n);	thread Q: { n=n+1 n=n+1	10 (8)
	(PI, G	(86)	
	(P3, Q1, O) Print(O)	(P1,03,1)	
(5) to a	(P4, Q1, O)	rint()	04,2)
(5,000	9)	(P4, Q3,1) P Pint(2)	(6) (35 5)
65.06	(89)	(P4,Q4,2	(nothing will
	30.20		Print anymore
-			

77) E (P3,-,2) E P1,Q1,0) (P3, 01,0) (P4,04,2) P. Print(o) 19, A4P2 (P4,Q1,0) V (P4, Q3, 1 (P3,Q3,1) (PH, QBI, P Print(1) 0003: (P3, -, 2) (will loop back and print o twice) (PB, Q4.7 (PY,Q1,0 (P4,Q3,1) -7 (P3,Q3,1

		(3) P
0		(-,-,2) P $(P3,-,2)$
		05:
		$(P1,Q1,Q) \qquad (P4,-,Z)$
		Print(2) AP
		(P3,01,0) $(P4,04,2)$
		P L Print(0)
		1011
		(P3,Q1,0) (P3,Q4,2)
		10
		$(P4, Q3, 1) \xrightarrow{P} (P3, Q3, 1)$
-	(3.)	
9	0	2 does not have to appear in the output.
		(P1,Q1,0) $(-,Q4,2)$ $(P3,Q4,2)$ $(P3,Q1,0)$ $(-,-,2)$ $(P3,Q4,2)$ $(P3,Q1,0)$ $(-,-,2)$ $(P3,Q1,0)$ $(-,-,2)$ $(P3,Q4,2)$
		(P3,Q1,Q) $(P3,Q1,Q)$
		Print(a) P (Ou a)) Q (Ou
		(P4,01,0) -> (P4,04,2)
		In this case the P thread will not enter the loop before thread Q updates n to Z. Therefore 2 will never print
	(4.)	I can appear as an output only I time due to a single
	(5.)	I can be an output any number of times.
•		O can be an output any number of times.
		The shortest length of an output is o