Thread Trace: (BUGGED) Producer/Consumer - Single CV and While

t	T_{c1}	State	T_{c2}	State	T_{c3}	State	Count	*Comment*
1	c1	Running		Ready		Ready	0	
2	c2	Running		Ready		Ready	0	
3	c3	Asleep		Ready		Ready	0	Buffer empty; must sleep
4		Asleep	c1	Running		Ready	0	
5		Asleep	c2	Running		Ready	0	
6		Asleep	c3	Asleep		Ready	0	Buffer empty; must sleep
7		Asleep		Asleep	p1	Running	0	
8		Asleep		Asleep	p2	Running	0	
9		Asleep		Asleep	p4	Running	1	Buffer now full
10		Ready		Asleep	p5	Running	1	T_{c1} awoken
11		Ready		Asleep	p6	Running	1	
12		Ready		Asleep	p1	Running	1	
13		Ready		Asleep	p2	Running	1	
14		Ready		Asleep	p3	Asleep	1	Buffer full; must sleep
15	c2	Running		Asleep		Asleep	1	Recheck condition
16	c4	Running		Asleep		Asleep	0	T_{c1} grabs data
17	c5	Running		Ready		Asleep	0	Oops! Woke T_{c2} up
18	c6	Running		Ready		Asleep	0	
19	c1	Running		Ready		Asleep	0	
20	c2	Running		Ready		Asleep	0	
21	c3	Asleep		Ready		Asleep	0	Buffer empty; must sleep
22		Asleep	c2	Running		Asleep	0	
23		Asleep	c3	Asleep		Asleep	0	Everyone asleep...