

Initial state

waiting[0] = false;waiting[1] = false;lock = false;

PROCESS 0		PROCESS 1		lock	
		key	j	key	j
T0	waiting[0] = true; key = true;	true	?	READY	?
T1	READY	true	?	waiting[1] = true; key = true;	?
T2	(waiting[0] && key) key = test_and_set(lock);	false	?	READY	?
T3	READY	false	?	(waiting[1] && key) key = test_and_set(lock)	?
T4	waiting[0] = false;	false	?	READY	?
T5	READY	false	?	(waiting[1] && key) key = test_and_set(lock)	?
T6	j = (i+1) % n;	false	1	READY	?
	((j != i) && !waiting[j]) j = (j+1) % n;	false	1	READY	?
	if (j == i) lock = false; else waiting[j] = false;	false	1	(waiting[1] && key) key = test_and_set(lock)	?
T7	READY	false	1	waiting[1] = false;	?
		false	1	CRITICAL SECTION	?

