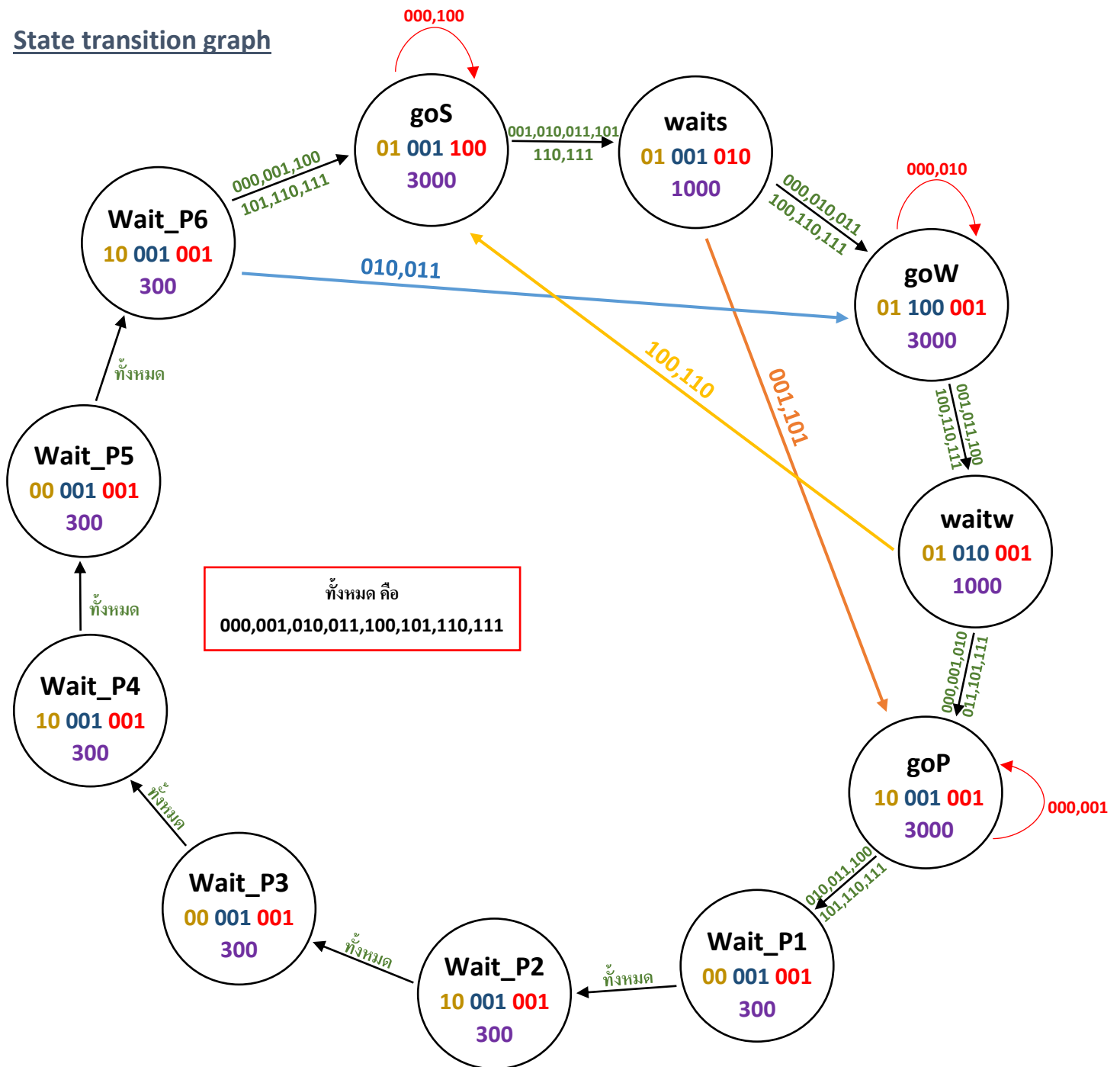State transition graph

State transition table

NUM	NAME	LIGHT	TIME	000 IN = 1	001 IN = 2	010 IN = 3	011 IN = 4	100 IN = 5	101 IN = 6	110 IN = 7	110 IN = 8
1	goS	01 001 100	3000	goS	waitS	waitS	waitS	goS	waitS	waitS	waitS
2	waitS	01 001 010	1000	goW	goP	goW	goW	goW	goP	goW	goW
3	gow	01 100 001	3000	goW	waitW	goW	waitW	waitW	waitW	waitW	waitW
4	waitW	01 010 001	1000	goP	goP	goP	goP	goS	goP	goS	goP
5	goP	10 001 001	3000	goP	goP	wait_P1	wait_P1	wait_P1	wait_P1	wait_P1	wait_P1
6	wait_P1	00 001 001	3000	wait_P2	wait_P2	wait_P2	wait_P2	wait_P2	wait_P2	wait_P2	wait_P2
7	wait_P2	10 001 001	300	wait_P3	wait_P3	wait_P3	wait_P3	wait_P3	wait_P3	wait_P3	wait_P3
8	wait_P3	00 001 001	300	wait_P4	wait_P4	wait_P4	wait_P4	wait_P4	wait_P4	wait_P4	wait_P4
9	wait_P4	10 001 001	300	wait_P5	wait_P5	wait_P5	wait_P5	wait_P5	wait_P5	wait_P5	wait_P5
10	wait_P5	00 001 001	300	wait_P6	wait_P6	wait_P6	wait_P6	wait_P6	wait_P6	wait_P6	wait_P6
11	wait_P6	10 001 001	300	goS	goS	goW	goW	goS	goS	goS	goS