Num	Name	Lights	Time	In=0	In=1	In=2	In=3	In=4	In=5	In=6	In=7
0	goS	10 100 001	2000	goS	goS	waitS	waitS	waitS2C	waitS2C	waitS2C	waitS
1	waitS	10 100 010	300	goW	goW	goW	goW	goW	goW	goW	goW
2	waitS2C	10 100 010	300	goC	goC	goC	goC	goC	goC	goC	goC
3	goW	10 001 100	2000	goW	waitW	goW	waitW	waitW2C	waitW2C	waitW2C	waitW2C
4	waitW	10 010 100	300	goS	goS	goS	goS	goS	goS	goS	goS
5	waitW2C	10 010 100	300	goC	goC	goC	goC	goC	goC	goC	goC
6	goC	01 100 100	300	goC	waitCS1	waitCW1	waitCS1	goC	waitCS1	waitCW1	waitCS1
7	waitCS1	00 100 100	300	goCS1	goCS1	goCS1	goCS1	goCS1	goCS1	goCS1	goCS1
8	goCS1	01 100 100	300	waitCS2	waitCS2	waitCS2	waitCS2	waitCS2	waitCS2	waitCS2	waitCS2
9	waitCS2	00 100 100	300	goCS2	goCS2	goCS2	goCS2	goCS2	goCS2	goCS2	goCS2
10	goCS2	01 100 100	300	waitCS3	waitCS3	waitCS3	waitCS3	waitCS3	waitCS3	waitCS3	waitCS3
11	waitCS3	00 100 100	300	goCS3	goCS3	goCS3	goCS3	goCS3	goCS3	goCS3	goCS3
12	goCS3	01 100 100	300	goS	goS	goS	goS	goS	goS	goS	goS
13	waitCW1	00 100 100	300	goCW2	goCW2	goCW2	goCW2	goCW2	goCW2	goCW2	goCW2
14	goCW1	01 100 100	300	waitCW2	waitCW2	waitCW2	waitCW2	waitCW2	waitCW2	waitCW2	waitCW2
15	waitCW2	00 100 100	300	goCW1	goCW1	goCW1	goCW1	goCW1	goCW1	goCW1	goCW1
16	goCW2	01 100 100	300	waitCW3	waitCW3	waitCW3	waitCW3	waitCW3	waitCW3	waitCW3	waitCW3
17	waitCW3	00 100 100	300	goCW3	goCW3	goCW3	goCW3	goCW3	goCW3	goCW3	goCW3
18	goCW3	01 100 100	300	goW	goW	goW	goW	goW	goW	goW	goW

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In=0 (0 0 0) In=4 (1 0 0)
In=1 (0 0 1) In=5 (1 0 1)
In=2 (0 1 0) In=6 (1 1 0)
In=3 (0 1 1) In=7 (1 1 1)