STATE	NAME	OUTPUT NS	OUTPUT EW	DURATION	NEXT STATE
S0	NS GREEN	001(G)	100(R)	4	S1
S1	NS YELLOW	010(Y)	100(R)	2	S2
S2	EW GREEN	100(R)	001(G)	4	S3
S3	EW YELLOW	100(R)	010(Y)	2	S0