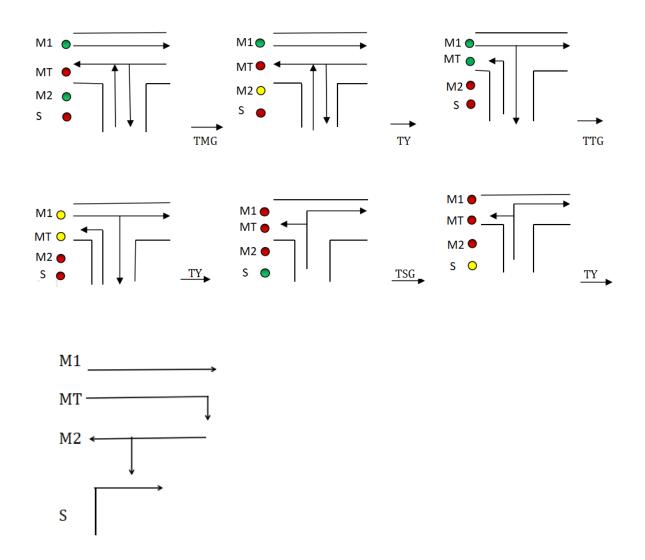
States explained through schematic diagram:



*where the direction of vehicles is explained through this image.

State Transition Table with time delays stated:

PRESENT STATE	INPUT	NEXT STATE	ST	M1	M2	MT	S
ABC		A*B*C*		RYG	RYG	RYG	RYG
000	-	001	1	000	000	000	000
001	TMG	001	0	001	001	100	100
	TMG	010	1				
010	Τ̈́Υ	010	0	001	010	100	100
	TY	011	1				
011	TTG	011	0	001	100	001	100
	TTG	100	1				
100	TY	100	0	010	100	010	100
	TY	101	1				
101	TSG	101	0	100	100	100	001
	TSG	110	1				
110	TY	110	0	100	100	100	010
	TY	001	1				
111	-	000	0	000	000	000	000