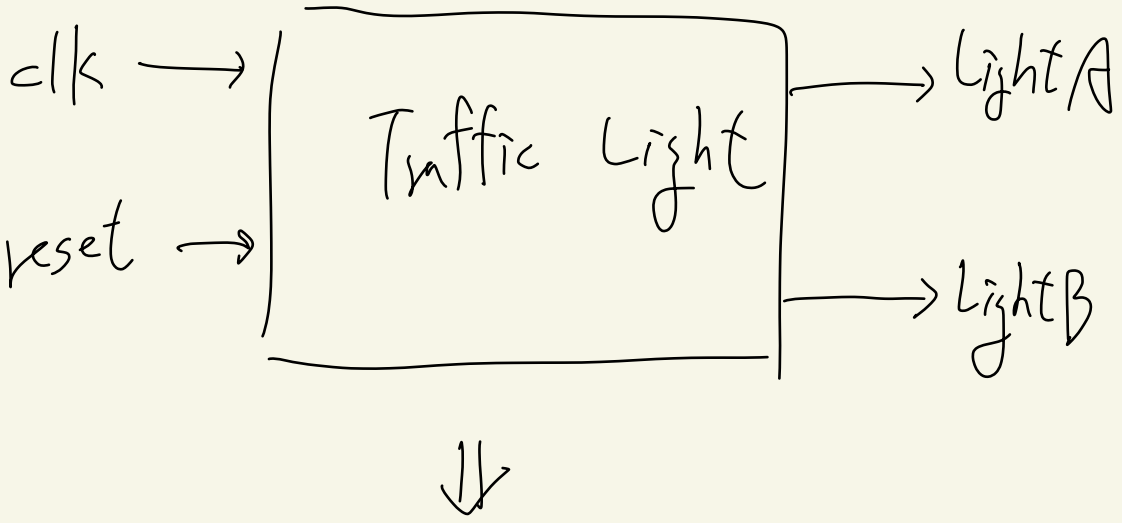
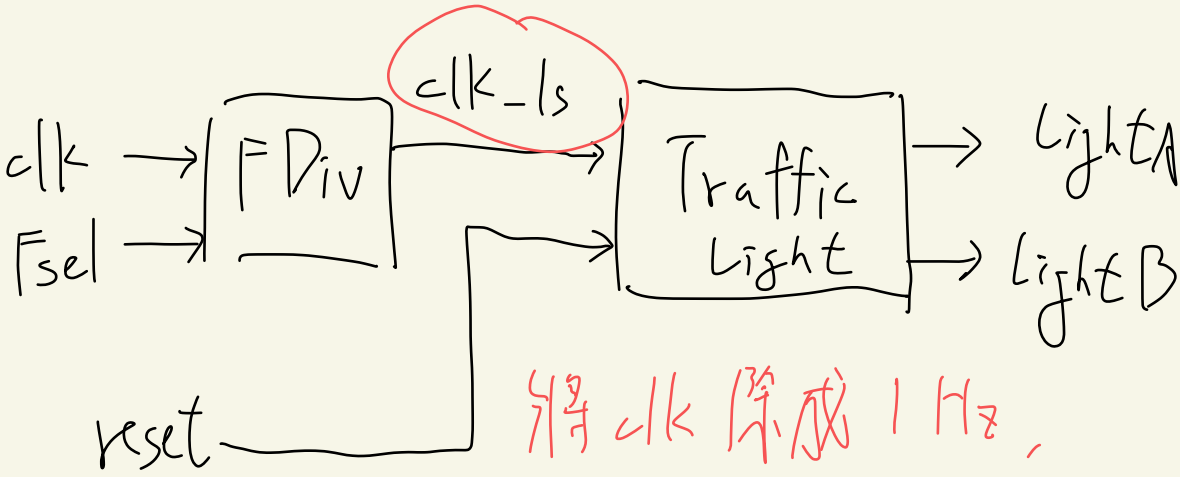
Traffic Light





將clk除成1Hz，
才符合秒數

Traffic Light A　　TLB

S0	G	R	8s
S1	Y	R	3s
S2	R	G	10s
S3	R	Y	3s

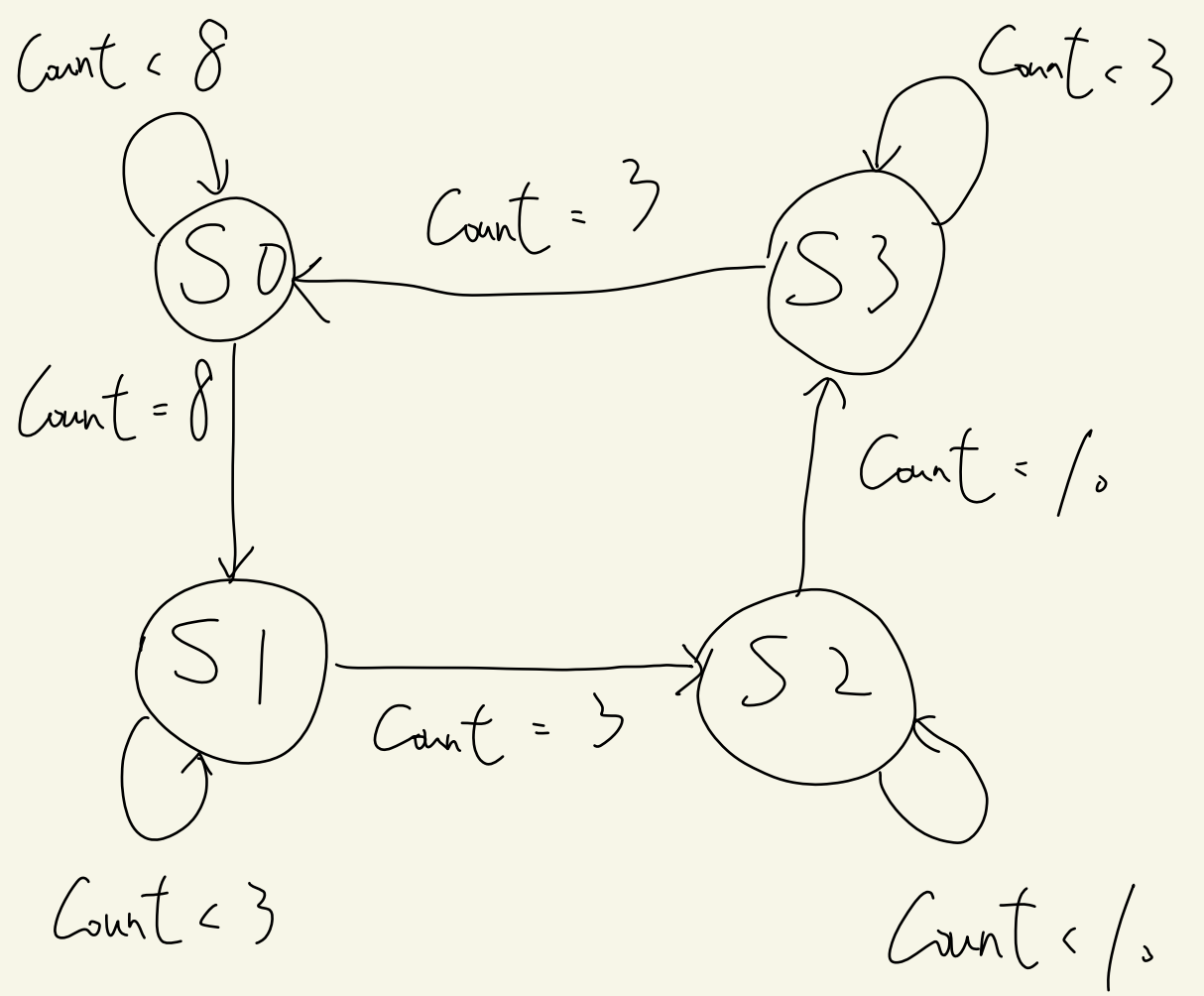
---

variable: current_state, next_state
current_count, next_count

LightA[2:0]: Road A 的灯

LightB[2:0]: Road B 的灯

100：绿，010：黄，001：红


Count < 8
Count < 3
S0
Count = 3
S3
Count = 8
Count = 10
S1
S2
Count = 3
Count < 3
Count < 10