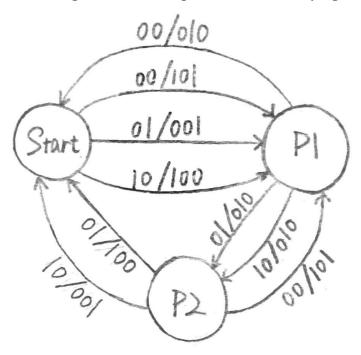
Lab 5 Report

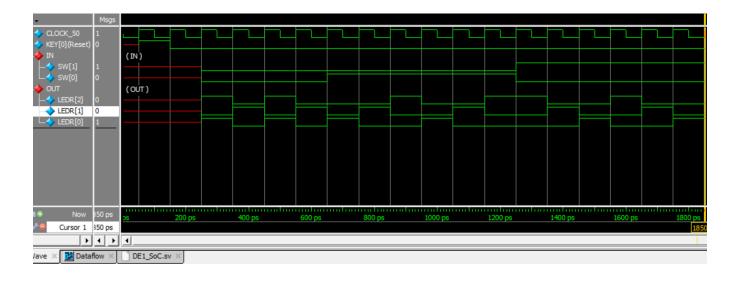
1. Video demo option:

https://drive.google.com/file/d/13sd6tvy8AI 4tu9PQUu4ai-kCAscjQEm/view?usp=sharing

2. A drawing of your state diagram used to implement the runway lights



3. Screenshot of ModelSim simulation of your top-level entity (DE1_SoC) demonstrating runways lights circuit behavior for all 3 possible wind conditions.



4. Screenshot of "Resource Utilization by Entity," along with the computed size of your design.

Analysis & Synthesis Resource Utilization by Entity			
< <filter>></filter>			
	Compilation Hierarchy Node	Combinational ALUTs	Dedicated Logic Registers
1	✓ DE1_SoC	5 (0)	2 (0)
1	hazard_light:hl	5 (5)	2 (2)

Size = 5+2 = 7

5. Approximately how much time did you spend on this lab (including reading, planning, design, coding, debugging etc.)?

6 hours.