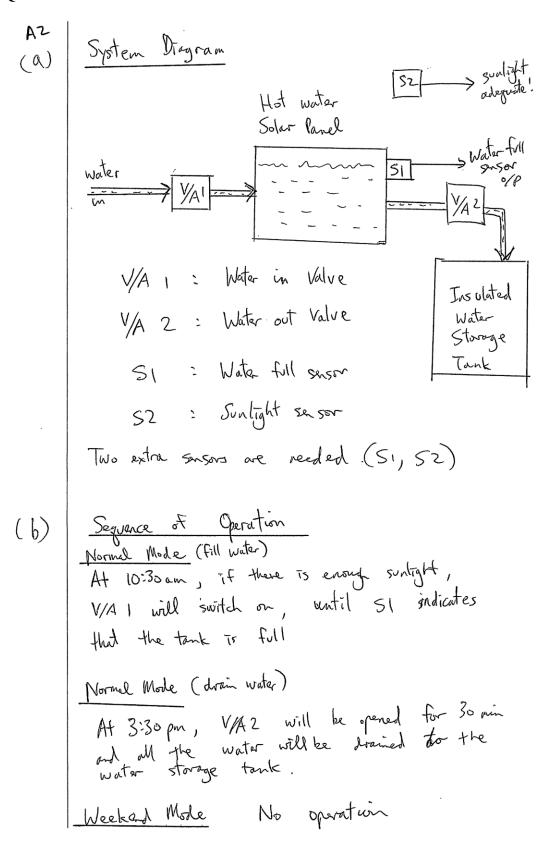
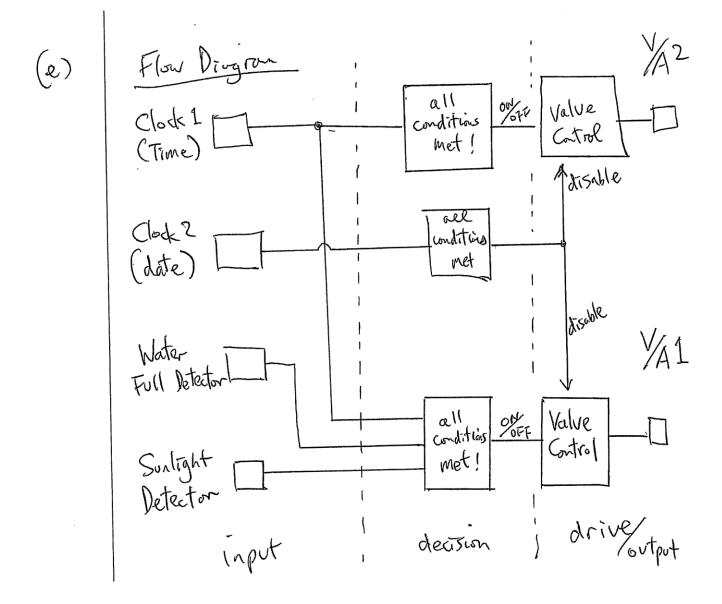
EE4281 Tutorial 4-06 Solution

Question 04

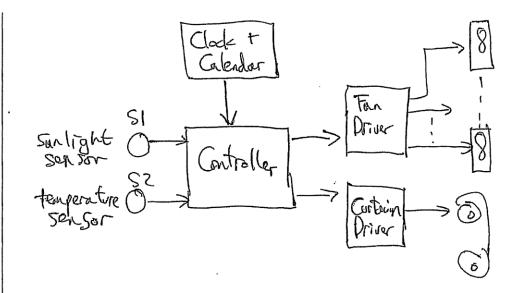


Inputs/outputs | No Part | Out | Operation | Property | Operation | Operation

, , , , , , , , , , , , , , , , , , , ,	Output Acten	sutich on VA 1	Switch on YA2	Disable WA 1 and WA 2			
- Input Condition	Water Level	Not Full	×	X			
	Schlight Detector	Adequate Suntight	×	×			
	Clock 2	X	×	During Weekend			
	Clock 1	10:30 am	3:33 pm 4:00 pm	<u>×</u>			
Mode Summany		Fill Water	Drain Water	Weekend (No operation)			



No. (?)



(b)

Sequence of Operation
Weekend mode - Fans off; Curtains closed

Neekday mode — (i) Fans off; Curtains closed (12:00 - 1:00 pm) (ii) Fans on above 30°C lunch time

Working Hour mode - (i) Below 15°C: Open Cortains

(ii) 15°-28°C and sunny Holf close curtains

(111) over 28°C and Stoney Fully close curtains

(iv) Above 30° → Fans on

Mode Summary

Ortent	Open Cortains	Half Close Confains	Filly Close Curtains	Switch on Fans	Fers on Curtains Closed	Fans-off Curtains Closed
Inout SI SI	X <15°	Suny (5-28°	Suny >28°	× >300	× × × ×	×× ××
Mode Summary	Working Hour	ס			Lunch Time	Week end

Flow Diagram No.(2e <15° Curtains Darson Open Half Cluse 15-28° Fully close Peciscon SURRY Lagic 228° Decesion Fans Logic ON Decision Lagic Decisia Logic Clock Calendar