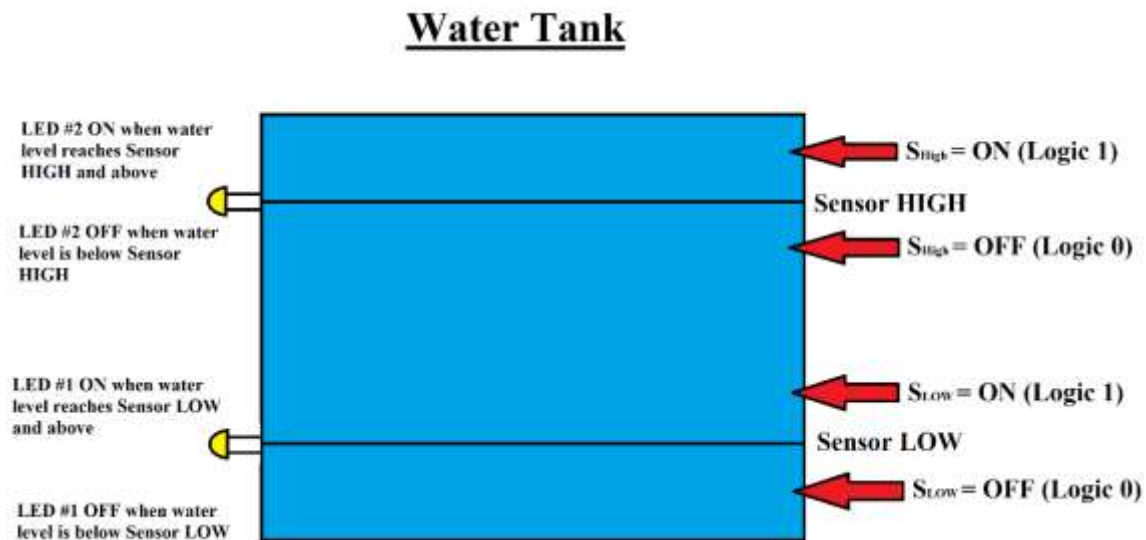# ELG4159: Prelab 1 – Water Level Controller

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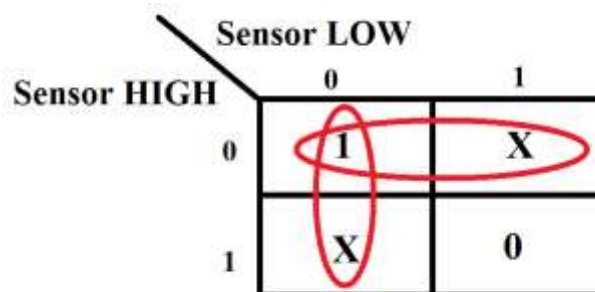
Diagram for the water level controller system:

Truth Table for the system:

Sensor LOW	Sensor HIGH	Result
1	1	0
1	0	N/A
0	1	N/A
0	0	1

Karnaugh Map & Boolean Expression for the system:

$$Result = \overline{Sensor\ LOW} \cup \overline{Sensor\ HIGH}$$