

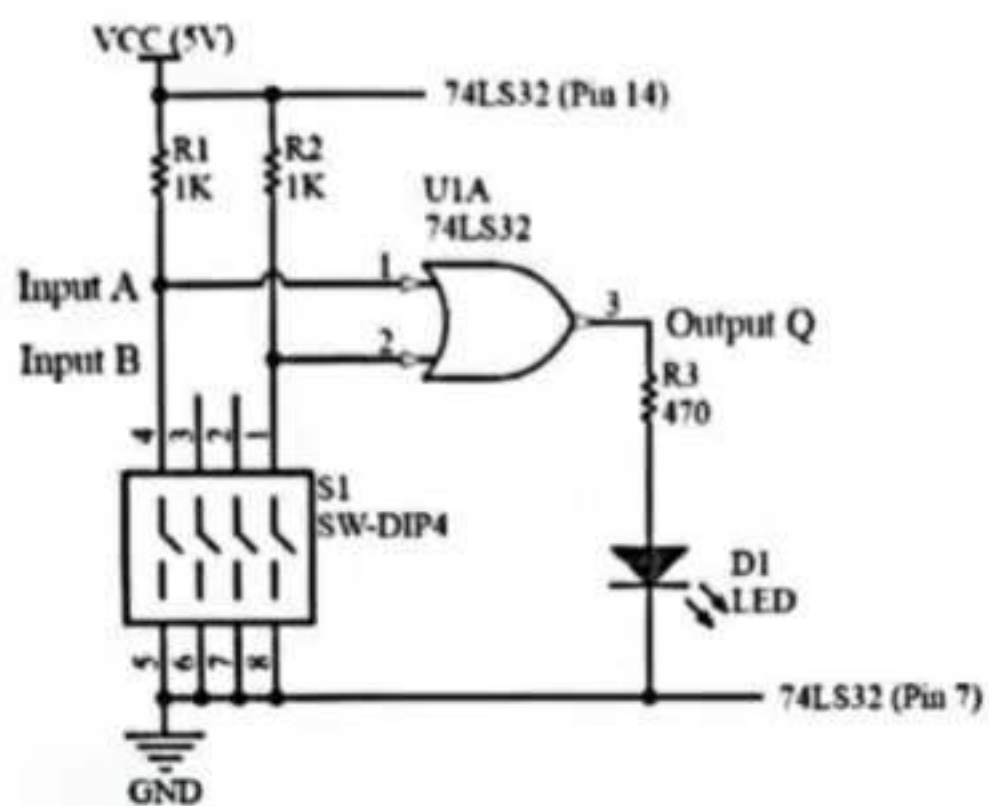
Name: _____ .SID: _____

Experiment 1: Familiarization of simple logic circuits

Refer to Pages 3 to 6 and watch the youtube clip for breadboard fundamentals.

74LS32:

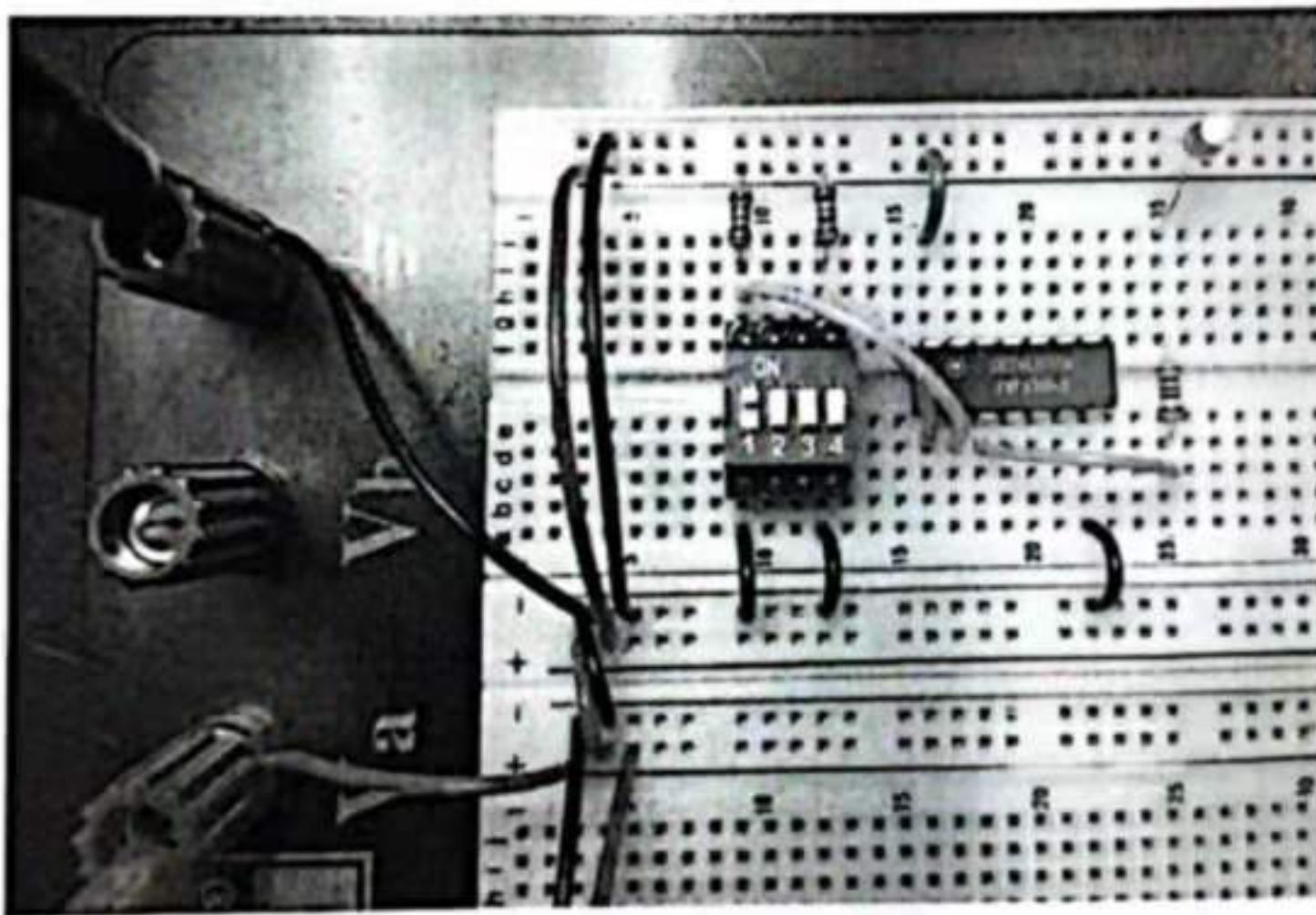
Connect the circuit as shown below schematic diagram and complete the logic table.



74LS32

Input		Output
A	B	Q
0	0	0
0	1	1
1	0	1
1	1	1

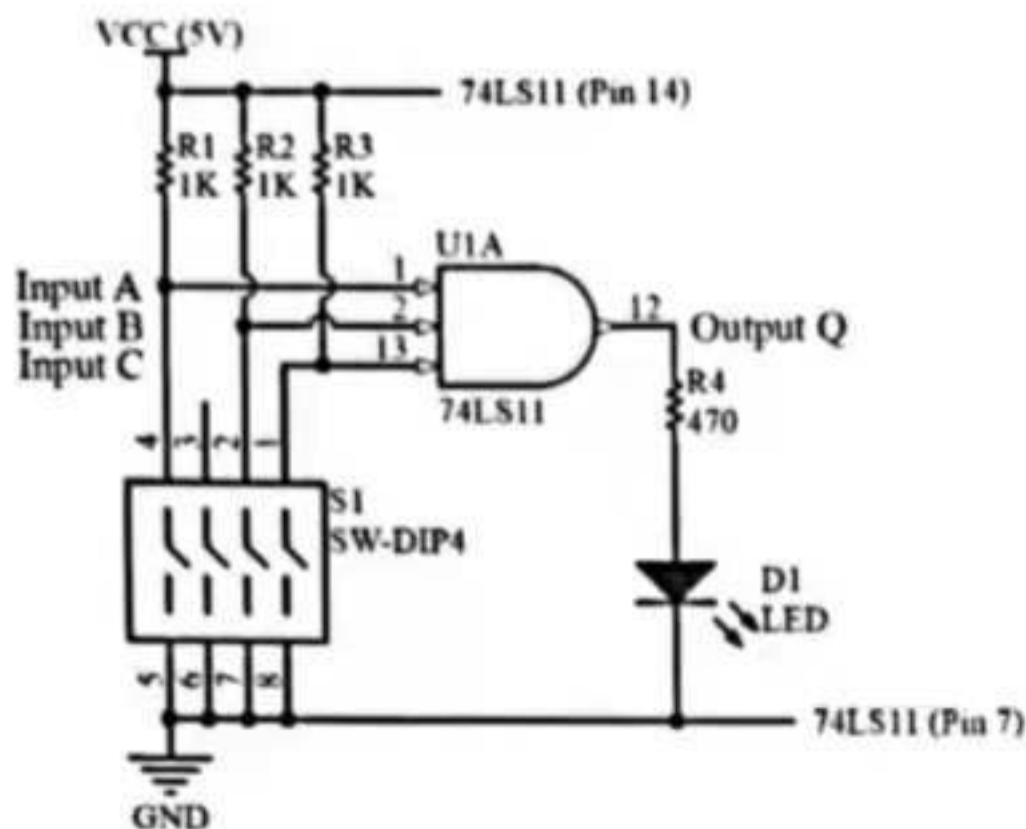
WCL



Name: _____ SID: _____

74LS11:

Connect the circuit as shown below schematic diagram and complete the logic table.



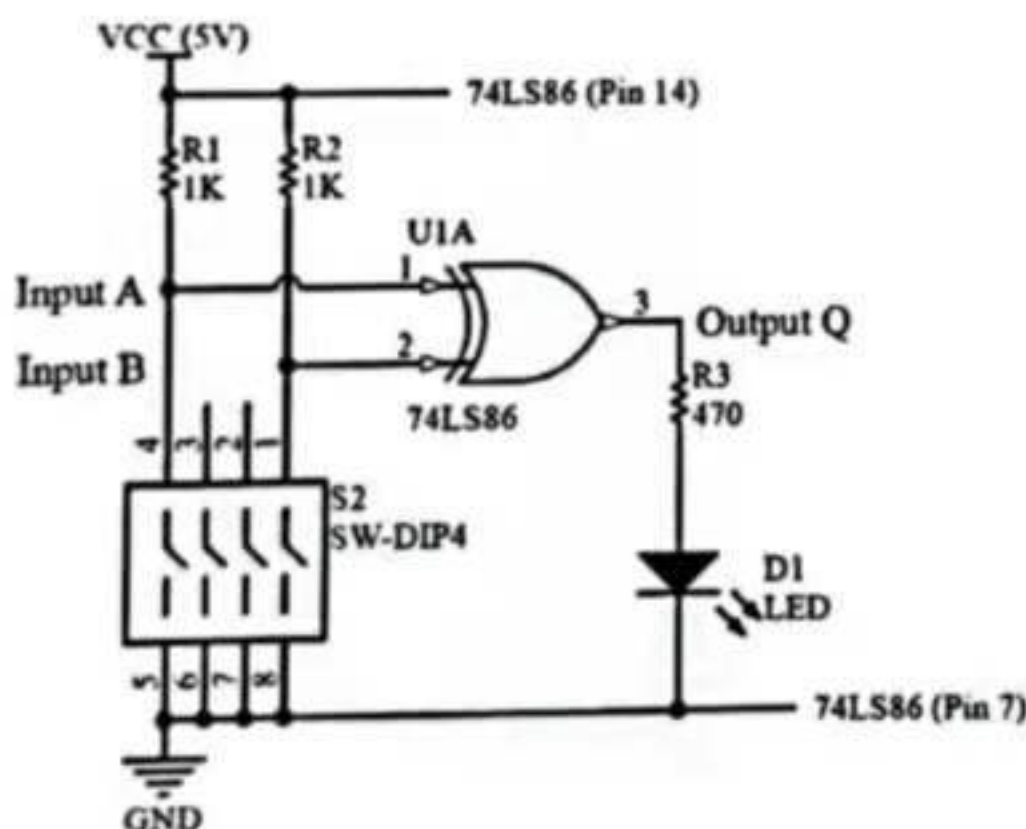
74LS11

Input			Output
A	B	C	Q
0	0	0	0
0	0	1	0
0	1	0	0
0	1	1	0
1	0	0	0
1	0	1	0
1	1	0	0
1	1	1	1

W62

74LS86:

Connect the circuit as shown below schematic diagram and complete the logic table.



74LS86

Input		Output
A	B	Q
0	0	0
0	1	1
1	0	1
1	1	0

W62

Show your results to Laboratory Supervisor.

Items	Grade
Attitude and progress (1 – 10)	
Quality of implementation (1 – 10)	
Completion % (0% – 100%)	
Supervisor Signature	

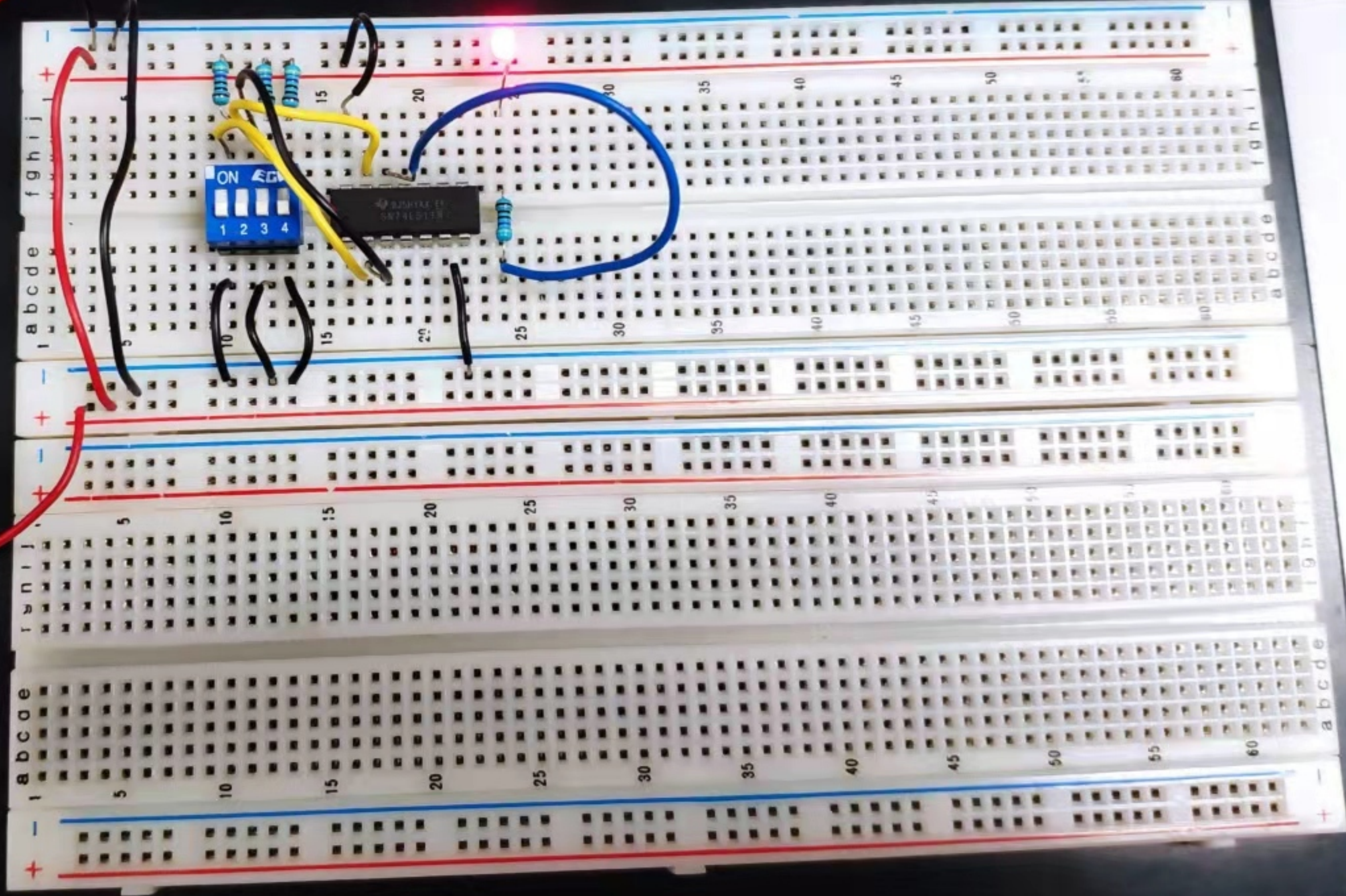


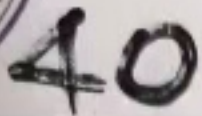
09

40

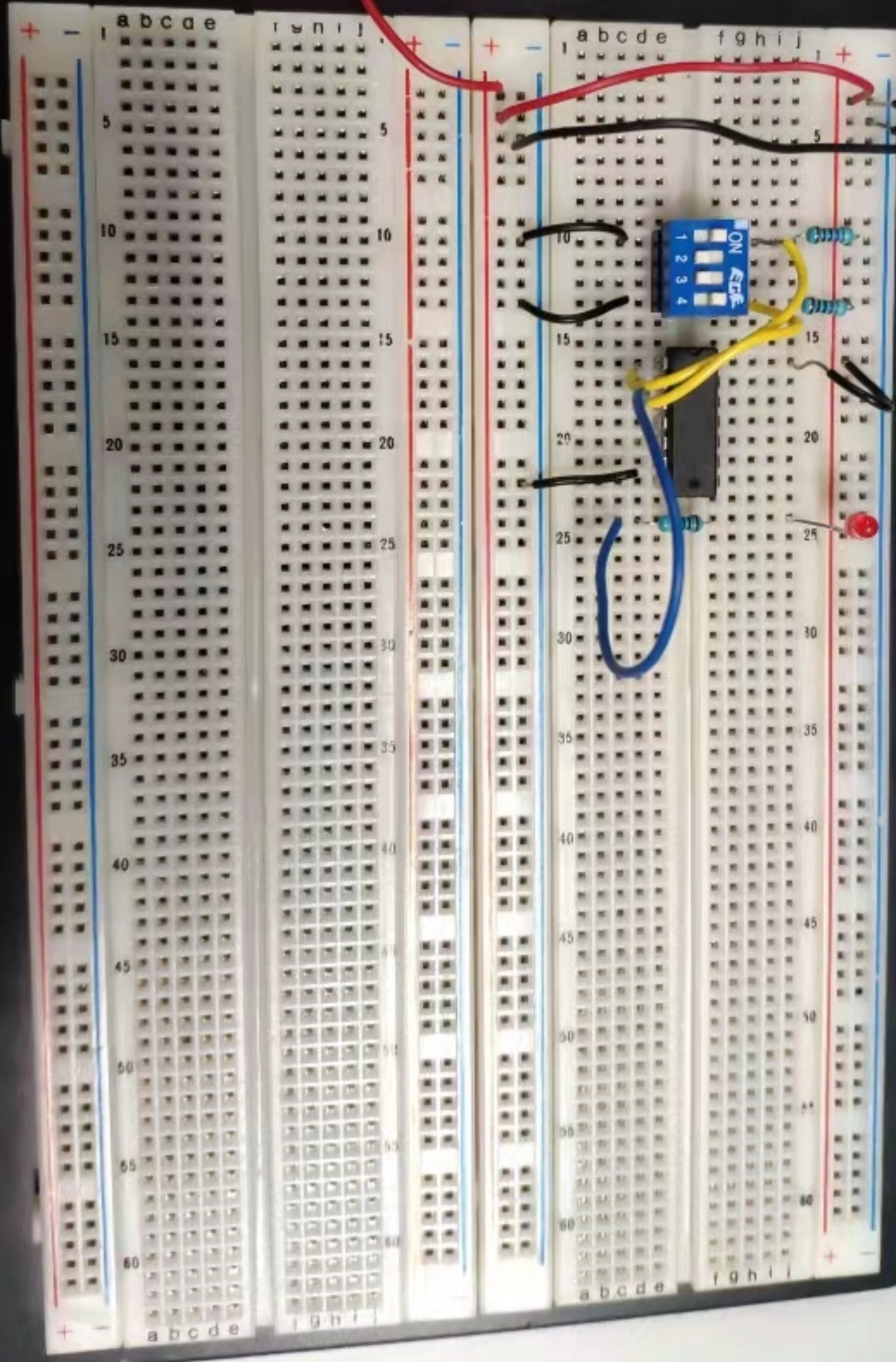
Va

Vb





Va

Vb



09
40

Va

Vb

