

Name: LIU HANDA

SID: 57125089

lab location: P1809

Name: _____, SID: _____

4-bits Adder															
Input								Output							
A3	B3	A2	B2	A1	B1	A0	B0	Ca3	Q3	Ca2	Q2	Ca1	Q1	Ca0	Q0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
0	0	0	0	0	0	1	1	0	0	0	0	0	1	1	0
0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0
0	0	0	0	1	0	0	1	0	0	0	0	0	1	0	1
0	0	0	0	1	1	1	0	0	0	1	1	0	0	0	1
0	0	0	0	1	1	1	1	0	0	0	1	1	1	1	0
0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0
0	0	0	1	1	0	0	1	0	0	0	1	0	1	0	1
0	0	1	0	1	0	1	0	0	0	0	1	0	1	0	1
0	0	1	1	1	0	1	1	0	1	1	1	0	1	0	0
0	0	0	0	1	1	0	0	0	0	0	1	1	0	0	0
0	1	0	1	1	1	0	1	1	0	1	0	1	0	0	1
1	0	1	0	1	1	1	0	1	0	1	0	1	0	0	1
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0

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4-bits Adder (for demonstration)															
Input								Output							
A3	B3	A2	B2	A1	B1	A0	B0	Ca3	Q3	Ca2	Q2	Ca1	Q1	Ca0	Q0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
0	0	0	0	0	0	1	1	0	0	0	0	0	1	1	0
0	0	0	0	0	1	1	1	0	0	0	1	1	0	1	0
0	0	0	0	1	1	1	1	0	0	0	1	1	1	1	0
0	0	0	1	1	1	1	1	0	1	1	0	1	1	1	0
0	0	1	1	1	1	1	1	0	1	1	1	1	1	1	0
0	1	1	1	1	1	1	1	1	0	1	1	1	1	1	0
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0

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Show your results to Laboratory Supervisor.

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









