Experiment Name: Implementation of Corry Look Ahead Adder.

Roll: 1710776121

Session: 2016-17

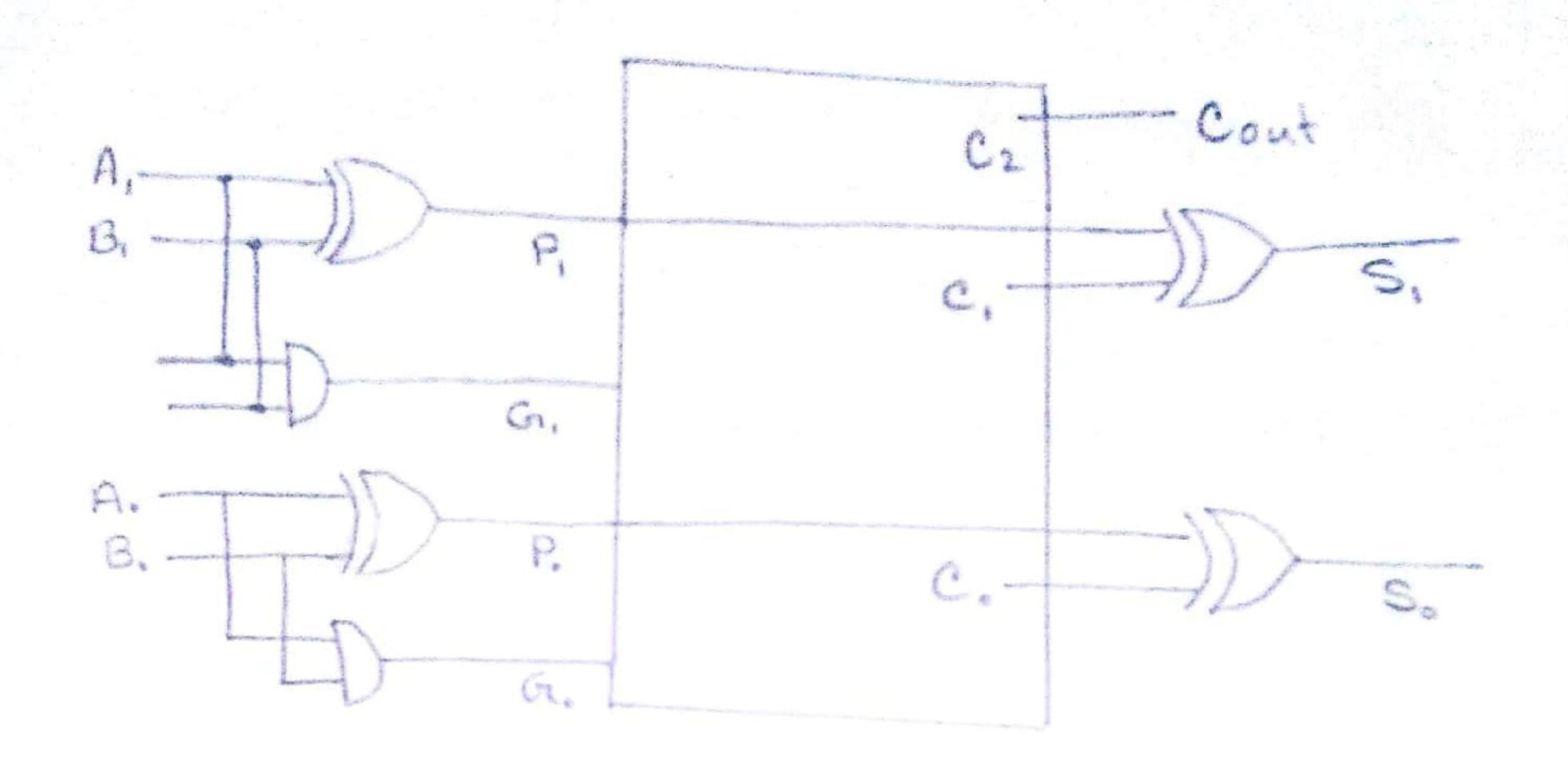
Course: CSE-2112

Date: 23-04-2018

Experiment: Implementation of corry Look.
Ahead Adder.

Theory: Carry Look Ahead Adder is another type of odder. In normal adder when we we want to add two numbers of many digits we face there a problem that the Carry is not proper Because there is a large gate delay in the carry. To reduce this problem we use carry look whead adder. In this adder all carry from individual full adder is counted at a time. So it reduce the gate de lay.

Instruments: wire, breadboard, power source, and odder IC.



Pi = Ai DBi Jwhere i = 0,1 etc. Gi = Ai Bi

## Truth Table.

A.	B.	Ao	B.	Cout	S,	So
0	0	0	0	0	0	0
0	0	0	1	0	0	1
0	0	1	0	0	0	
0	0	1	1	0	1	0
0	1	0	0	0	1	0
0	1	0	1	0	1	1
0	1	1	0	0	1	1
0	1	1		1	0	0
T T	10	0	0	0	1	0
	0				1	S. C.
1	0	1	0	0		
					-	0
	1 1		0	1		0
. 1	11	0	1	1 1	0	1
	0 8 1			1	^	
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Result and Discussion: From circuit drawn we have designed the circuit. The result we get is similar to equivolent addition result for each value of A and B. So the circuit and equations are right.

## Pre-coustion:

- 1. Connect the circuit when design is complete.
- 2. Please cheack the circuit before connecting.
- 3. Ware shoes in the lab.
- 4. After finishing enperiment switch off the power source.