



King Saud University

College of Computer and Information Sciences

Department of Computer Science

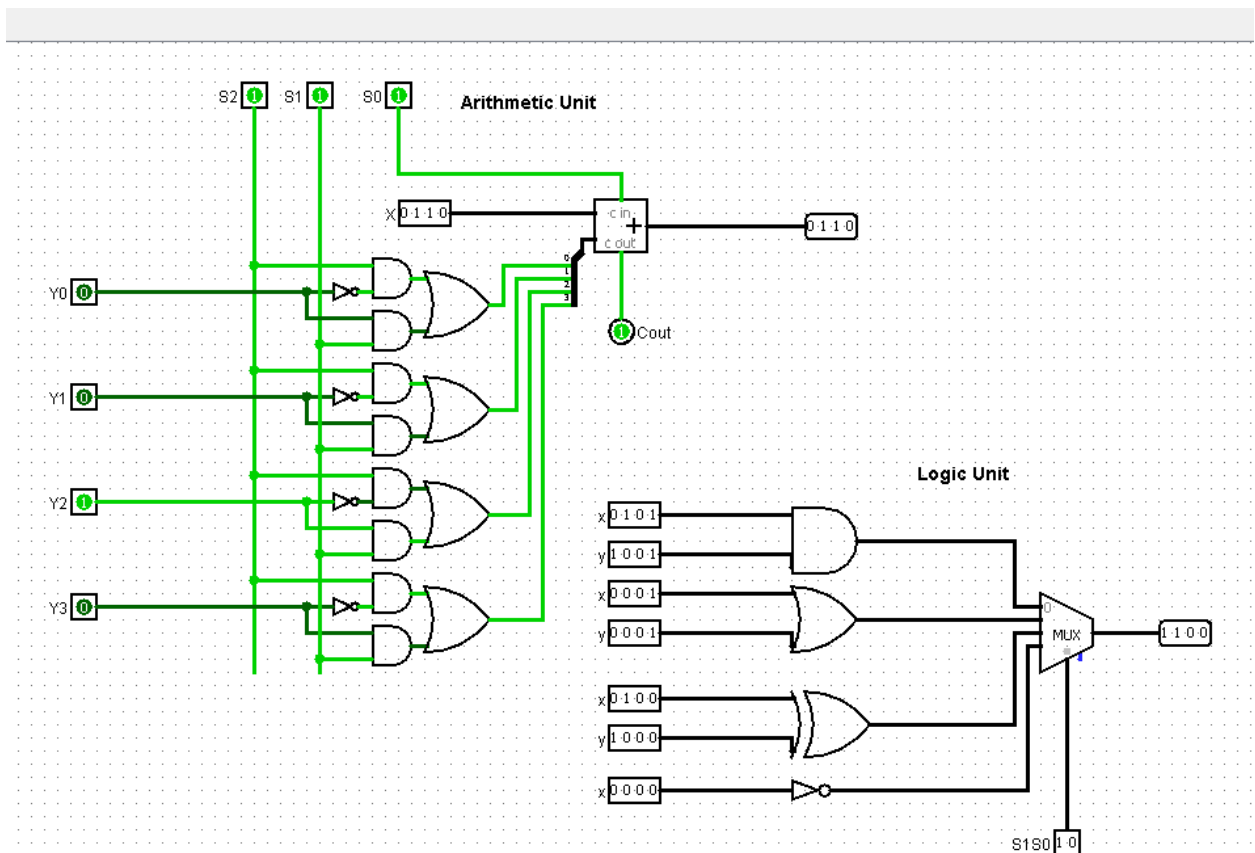
CSC 220: Computer Organization

Labwork - 9

1. Introduction

We learn how to draw Arithmetic unit and Logic unit.

2. Experiments



3. Results

S3	S2	S1	S0	Operation
0	0	0	0	$G=X$
0	0	0	1	$G=X+1$
0	0	1	0	$G=X+Y$
0	0	1	1	$G=X+Y+1$
0	1	0	0	$G=X+Y'$
0	1	0	1	$G=X+Y'+1$
0	1	1	0	$G=X-1$
0	1	1	1	$G=X$
1	X	0	0	$G=X \text{ AND } Y$
1	X	0	1	$G= X \text{ OR } Y$
1	X	1	0	$G= X \oplus Y$
1	x	1	1	$G=X'$

4. Discussion

We learn how to draw Arithmetic unit and Logic unit and the truth table for Arithmetic unit and Logic unit.