

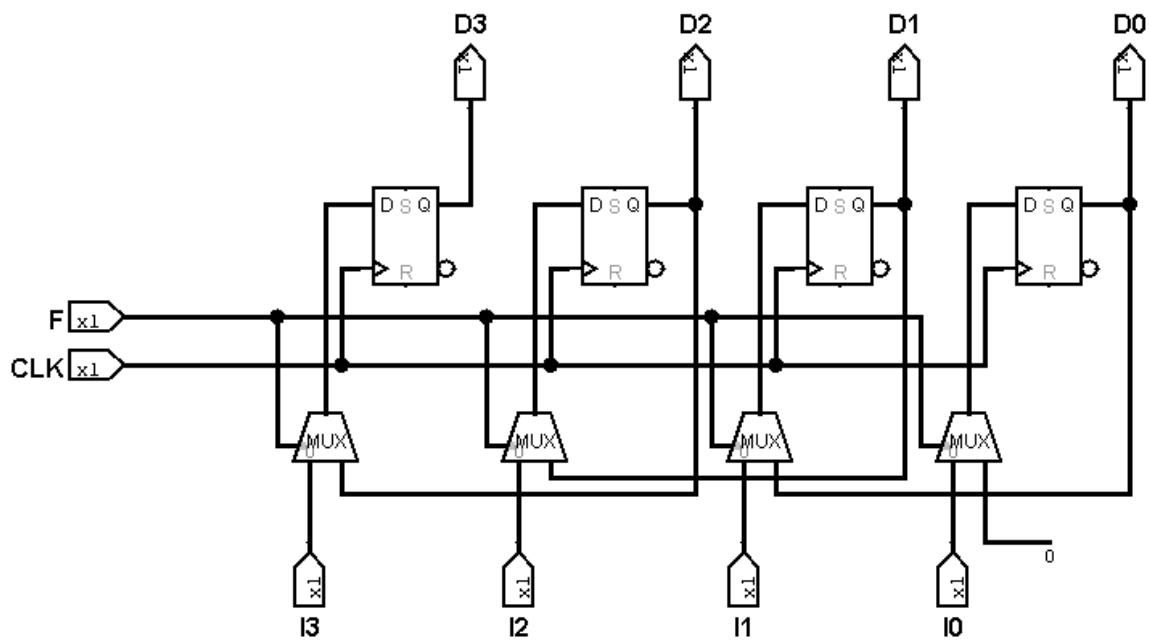
# CS 215 Homework 5

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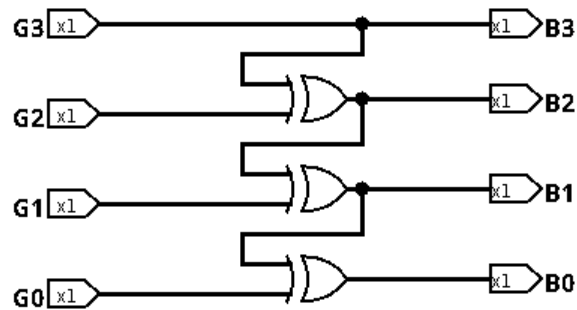
## Problem 1

Shift-Store Register circuit:



## Problem 2

Gray Code to Binary Converter circuit:



Truth Table from testing:

Number	Gray Code	Binary Output
0	0000	0000
1	0001	0001
2	0011	0010
3	0010	0011
4	0110	0100
5	0111	0101
6	0101	0110
7	0100	0111
8	1100	1000
9	1101	1001
10	1111	1010
11	1110	1011
12	1010	1100
13	1011	1101
14	1001	1110
15	1000	1111

This looks like it works to me.