

Elijah Sprung

CSC 2410 – 01

Dr. Yong Wei

Homework 2

Exploring the Majority Function $M = f(A, B, C)$

Truth Table:

A	B	C	out
0	0	0	0
0	0	1	0
0	1	0	0
0	1	1	1
1	0	0	0
1	0	1	1
1	1	0	1
1	1	1	1

Logical Expression:

$$\text{out} = (A * B) + (A * C) + (B * C)$$

Logical Gate Network:

