

Homework 02

Chapter 2

- **2.40 :**
 - a. 2
 - b. -16.0016
 - c. positive infinity
 - d. -2.2002
- **2.43 :**
 - a. Hello!
 - b. hELLO!
 - c. Computers!
 - d. LC-2

Chapter 3

- **3.6 :**
 $Z = A \text{ AND } B$

A	B	C	D	Z
0	0	1	1	0
0	1	1	0	0
1	0	0	1	0
1	1	0	0	1

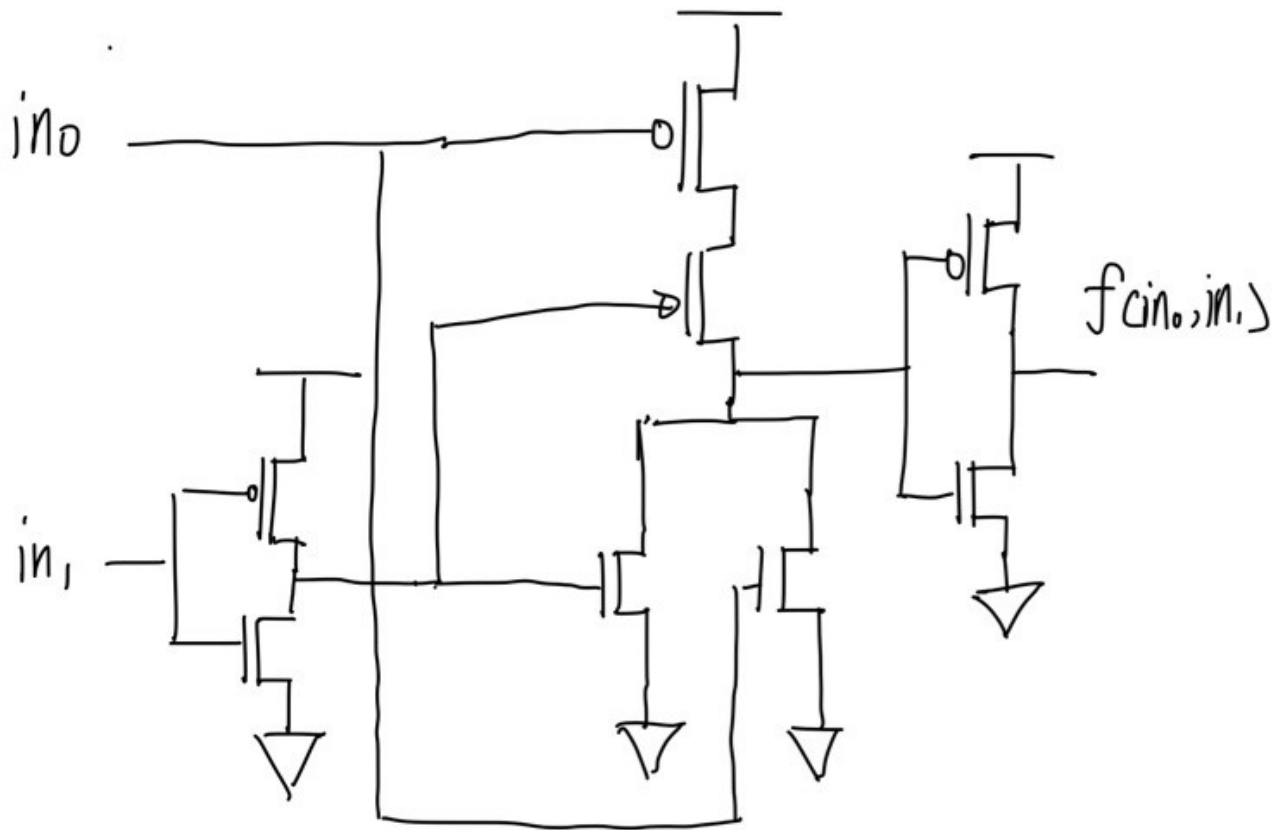
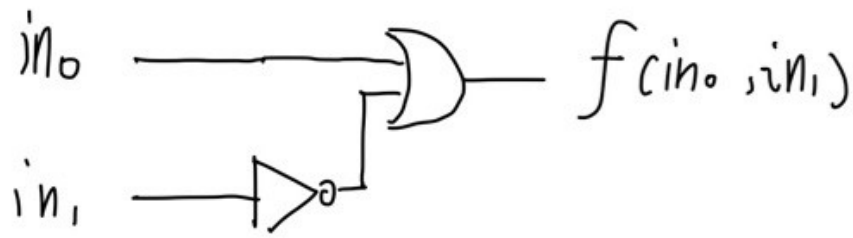
- **3.20 :** One; Four
- **3.23 :**
 $Z = A + B + C + D$

A	B	C	D	Z
0	0	0	0	0
0	0	0	1	1
0	0	1	0	1

A	B	C	D	Z
0	0	1	1	1
0	1	0	0	1
0	1	0	1	1
0	1	1	0	1
0	1	1	1	1
1	0	0	0	1
1	0	0	1	1
1	0	1	0	1
1	0	1	1	1
1	1	0	0	1
1	1	0	1	1
1	1	1	0	1
1	1	1	1	1

16 Rows

- **3.26 :**

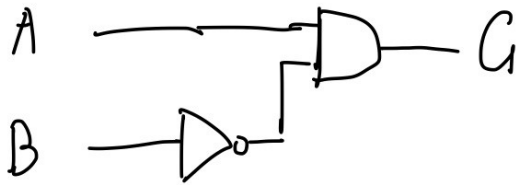


- **3.30** : the X determines which number(B or C) to be add to A; if X is 0, add A and B, else add A and C.
- **3.36** :
a.

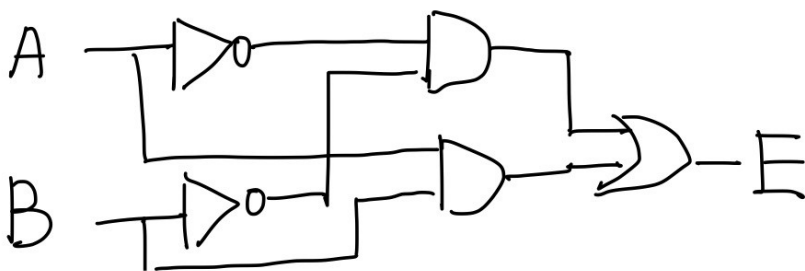
A	B	G	E	L
0	0	0	1	0
0	0	0	0	1
0	0	1	0	0
0	0	0	1	0

b.

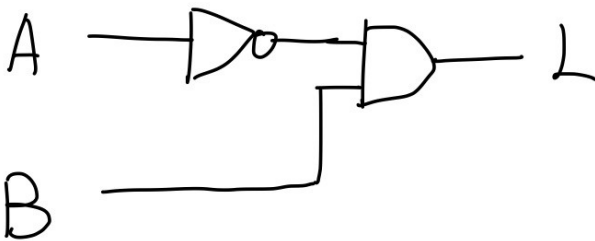
G



E



L



c.

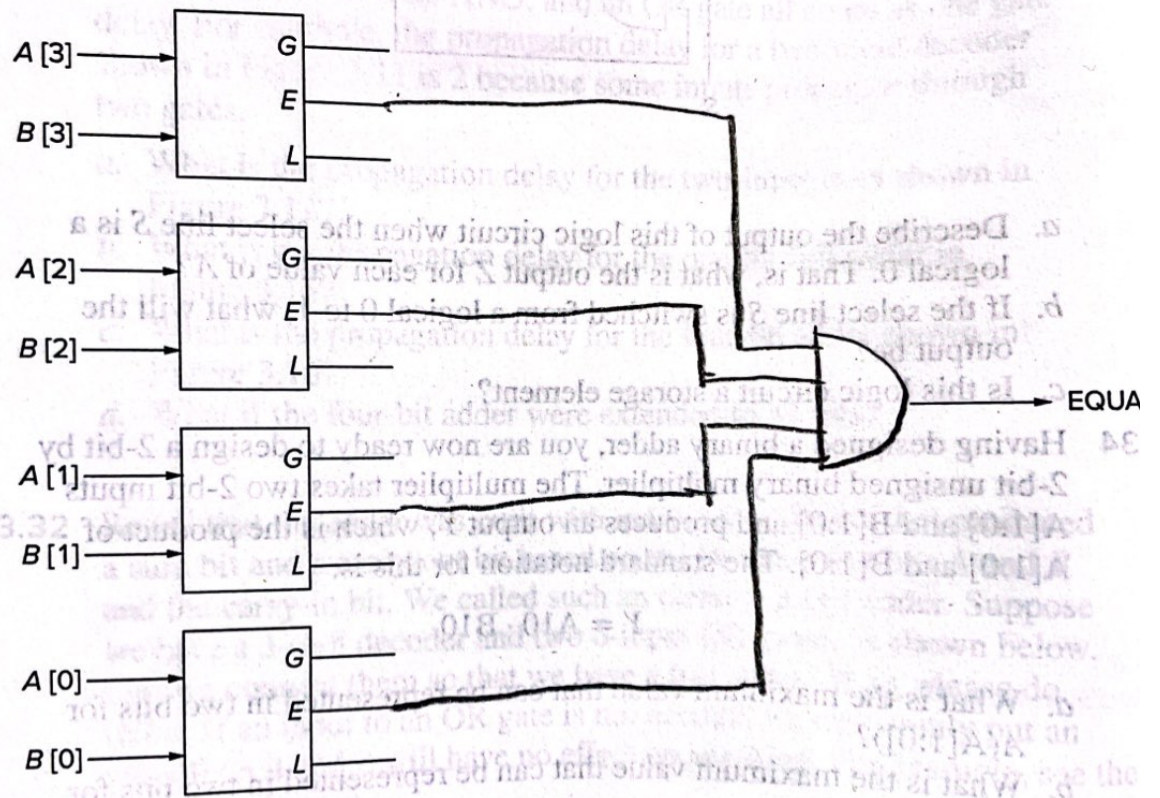


Figure 3.44 Diagram for Exercise 3.36.