

Digital Logic Gates

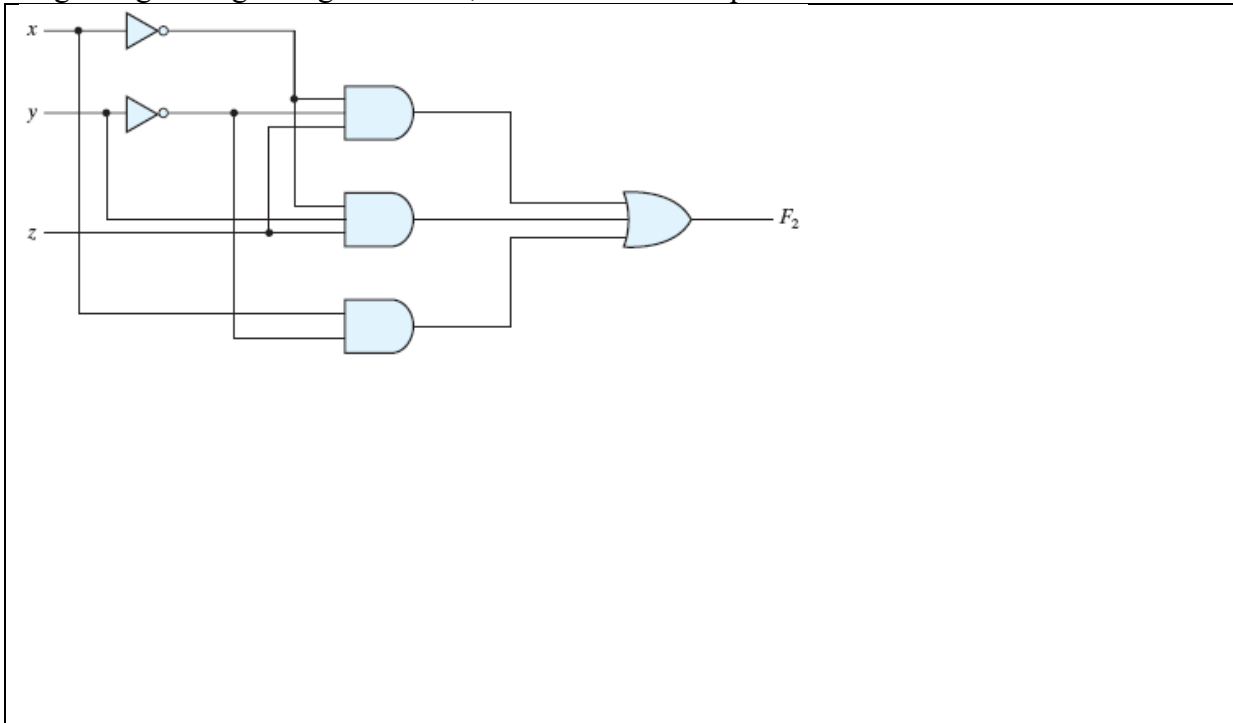
Quiz 02 :::: Boolean Algebra – Boolean gates

1. Find the truth table, and sketch logic diagram for

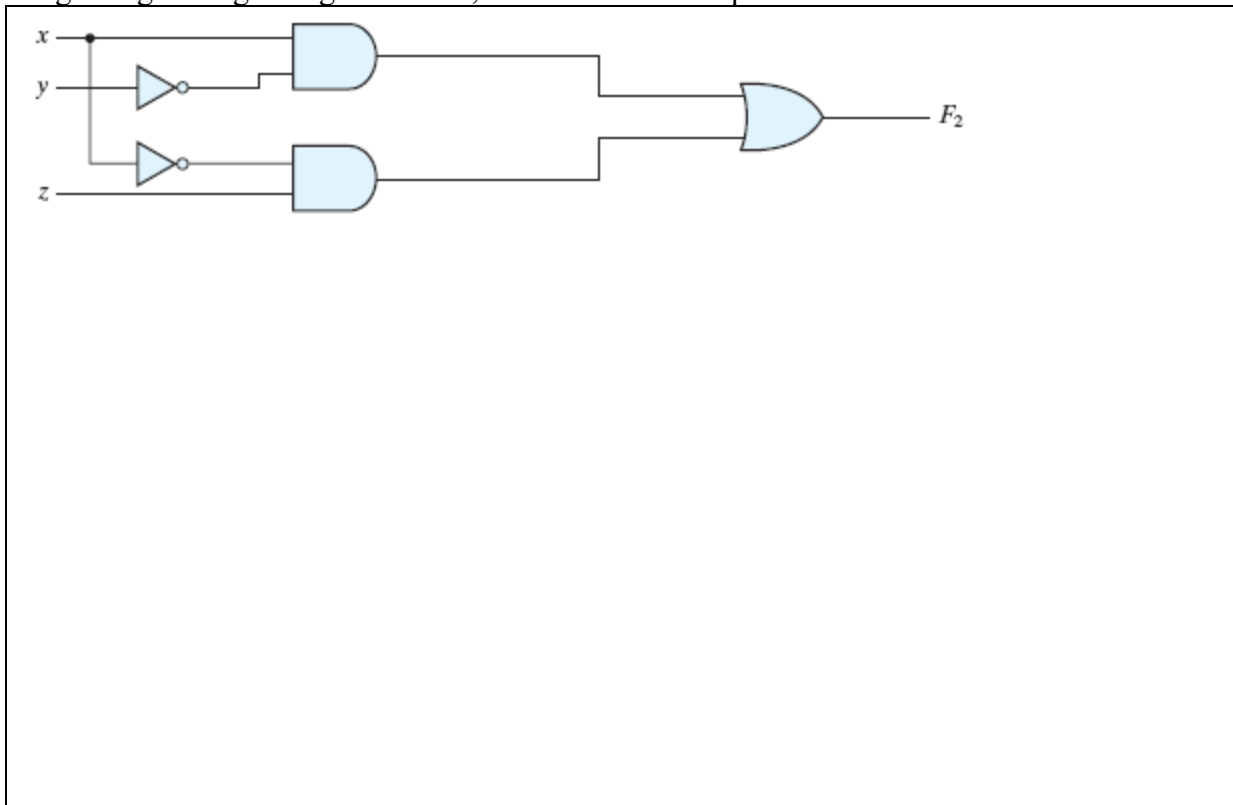
(a) $F = A + \bar{A}B$

(b) $F = A + BC$

2. Regarding the logic diagram below, find the Boolean equation and truth table



3. Regarding the logic diagram below, find the Boolean equation and truth table



4. Concerning the truth table given, find the Boolean equation and sketch the logic diagram

x	y	z	F_1
0	0	0	0
0	0	1	1
0	1	0	0
0	1	1	0
1	0	0	1
1	0	1	1
1	1	0	1
1	1	1	1