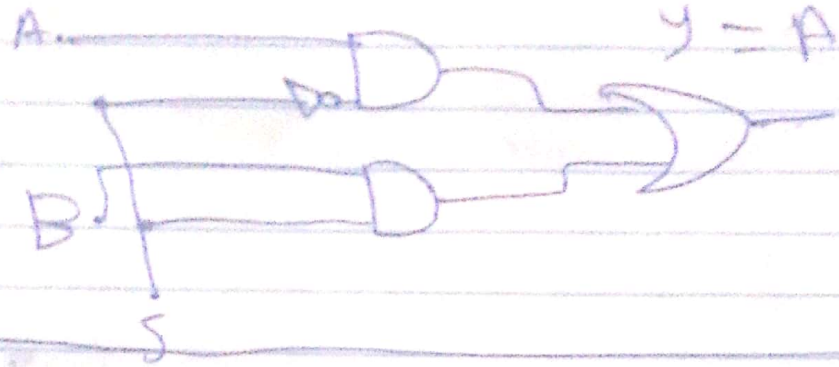
Page: Assinment 5 Digital Logic Date:

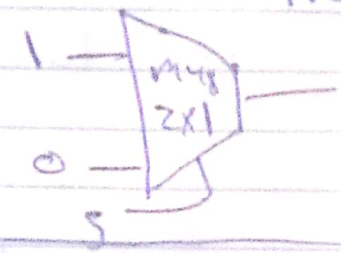
1



$y = A\bar{S} + BS$

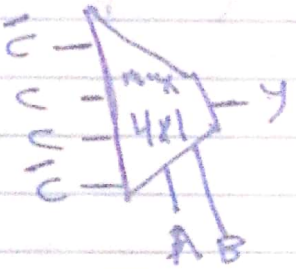
2

Not gate



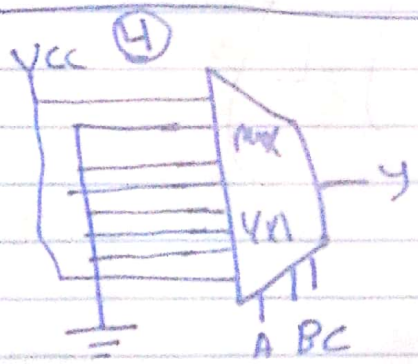
3

XoR gate

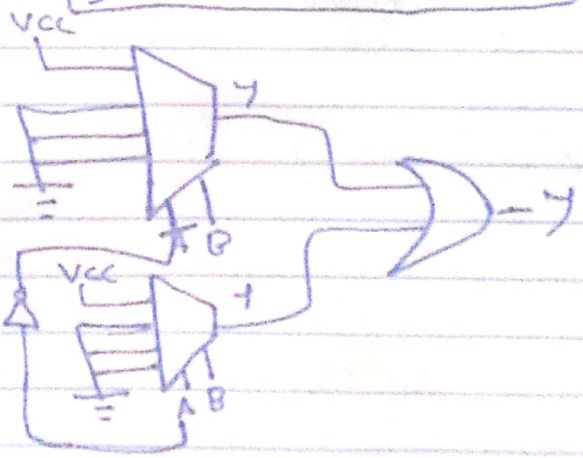


A	B	C	y
0	0	0	1
0	0	1	0
0	1	0	0
0	1	1	1
1	0	0	0
1	0	1	1
1	1	0	1
1	1	1	0

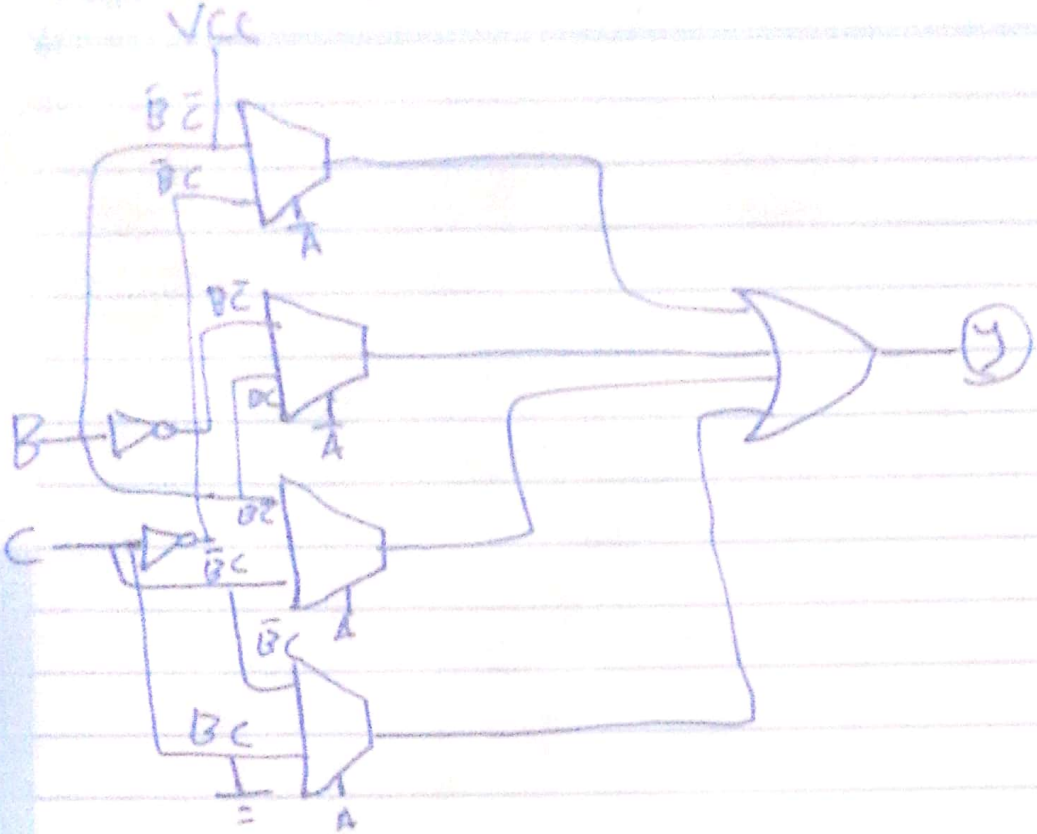
4



$\boxed{y = \bar{A}\bar{B}\bar{C} + ABC}$



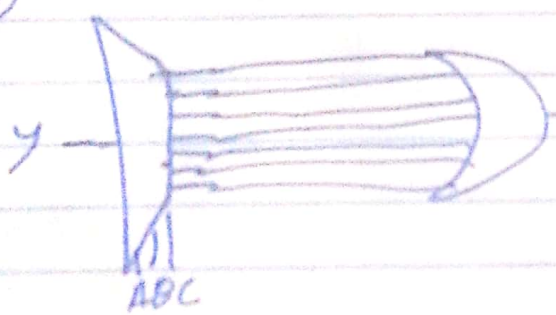
الممسوحة ضوئيا بـ CamScanner



⑤ ① $CD + \bar{C}\bar{D} = \overline{C \oplus D}$, ② $F = A + \overline{(C \oplus D)}$

⑥ ① $Y = \bar{C}\bar{D}$, ② $F = \bar{C}\bar{D}(A \oplus B) + \bar{A}\bar{B}$

⑦



$F = \bar{A}\bar{B}\bar{C} + ABC$

الممسوحة ضوئيا بـ CamScanner