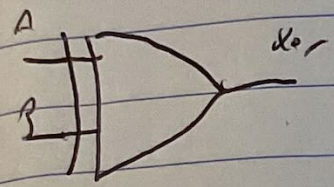


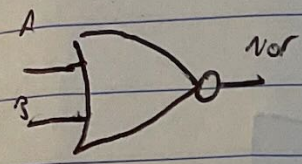
(a) i) xor



A	B	xor
0	0	0
0	1	1
1	0	1
1	1	0

~~$A \text{ NOR } B = A + B$~~   
 $\oplus$

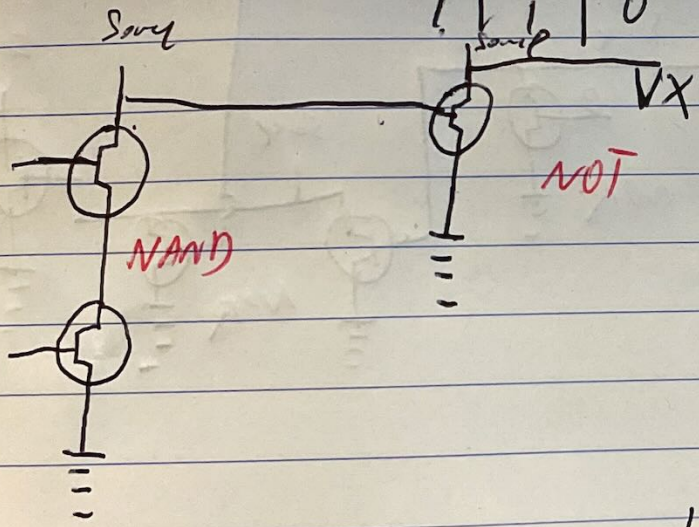
ii)



A	B	Nor
0	0	1
0	1	0
1	0	0
1	1	0

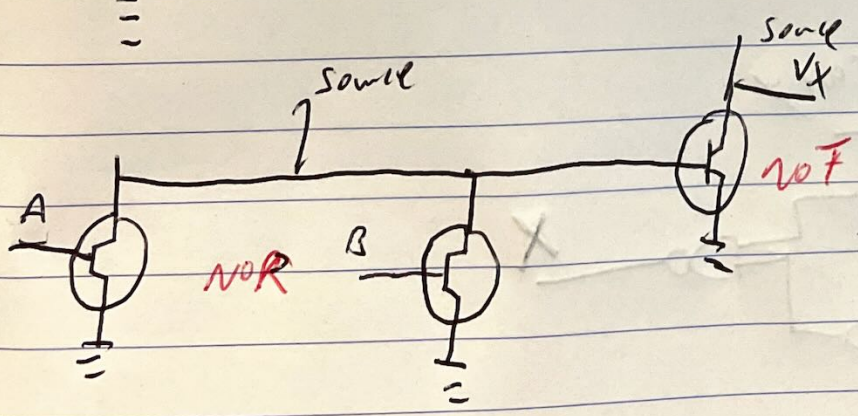


(b)



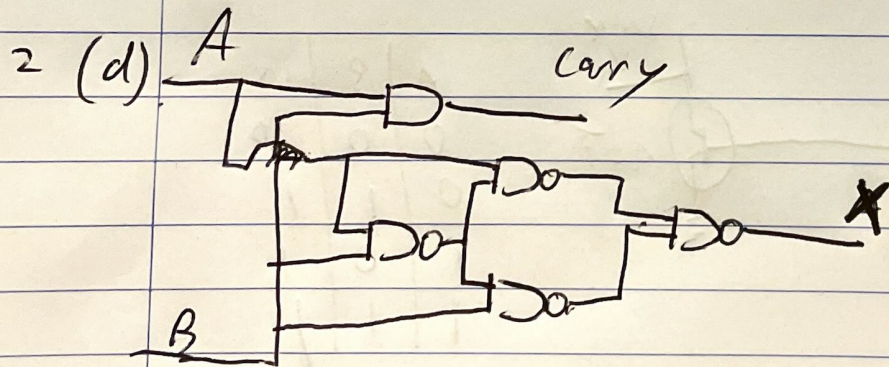
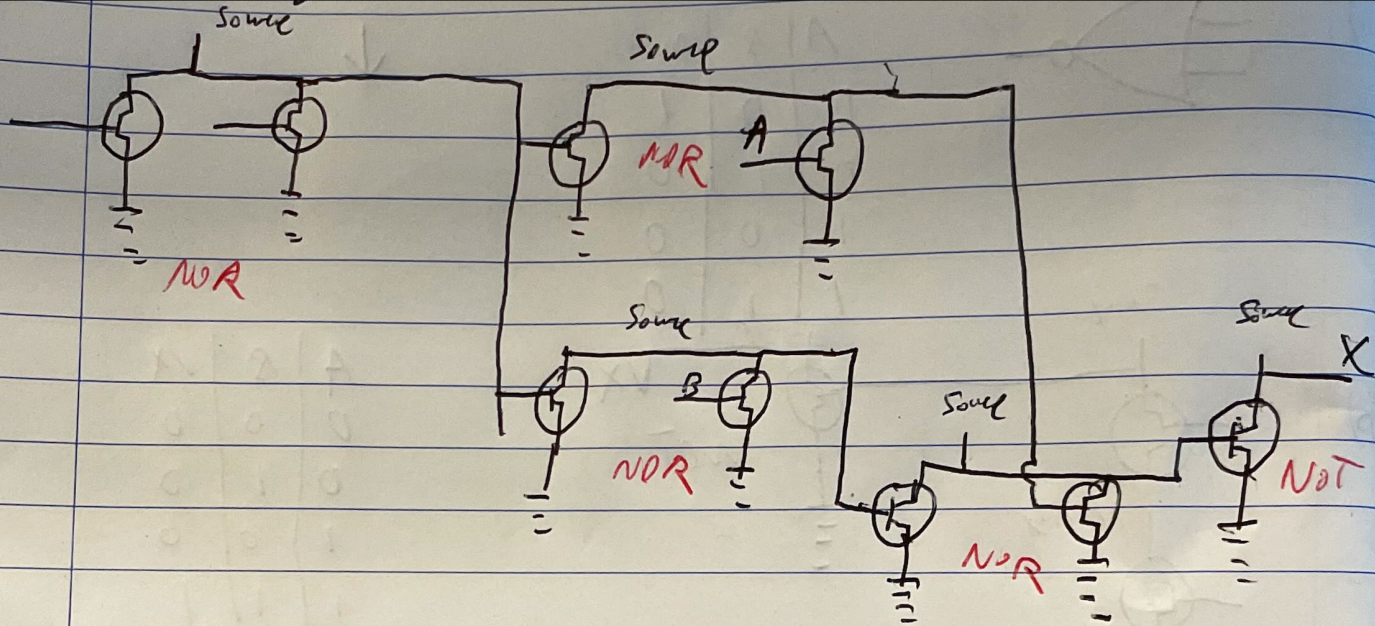
A	B	Vx
0	0	0
0	1	0
1	0	0
1	1	1

(c)



A	B	Vx
0	0	0
0	1	1
1	0	1
1	1	1







3

A	B	C	Y
0	0	0	0
0	0	1	0
0	1	0	0
0	1	1	1
1	0	0	0
1	0	1	0
1	1	0	1
1	1	1	1