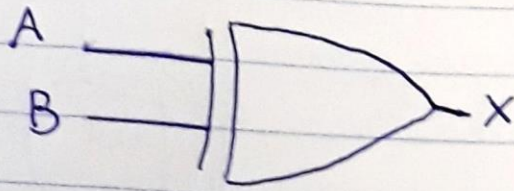


Practical 6

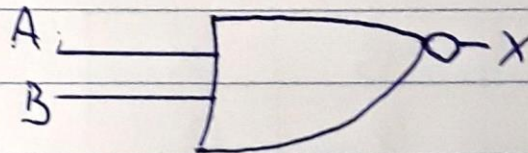
i) XOR gate



Functional notation: $A \oplus B$

A	B	X
0	0	0
0	1	1
1	0	1
1	1	0

ii) NOR gate



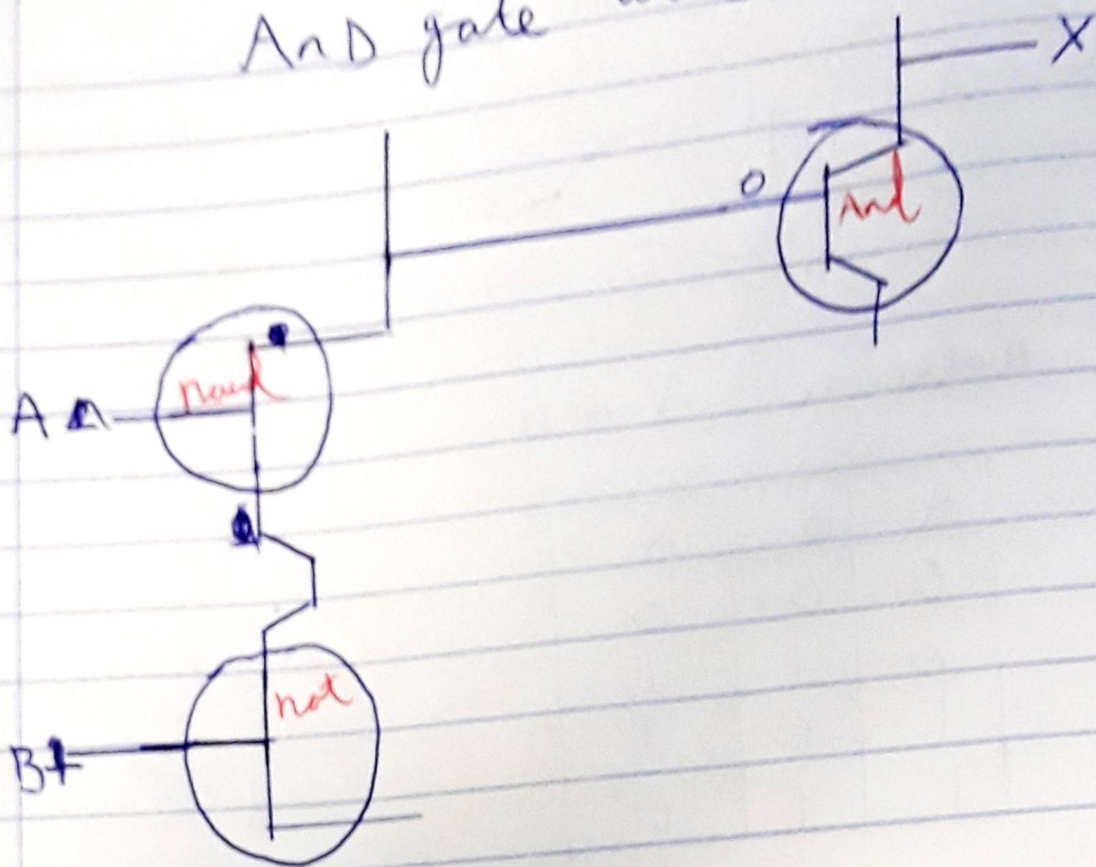
Functional

notation: $\neg(A+B)$

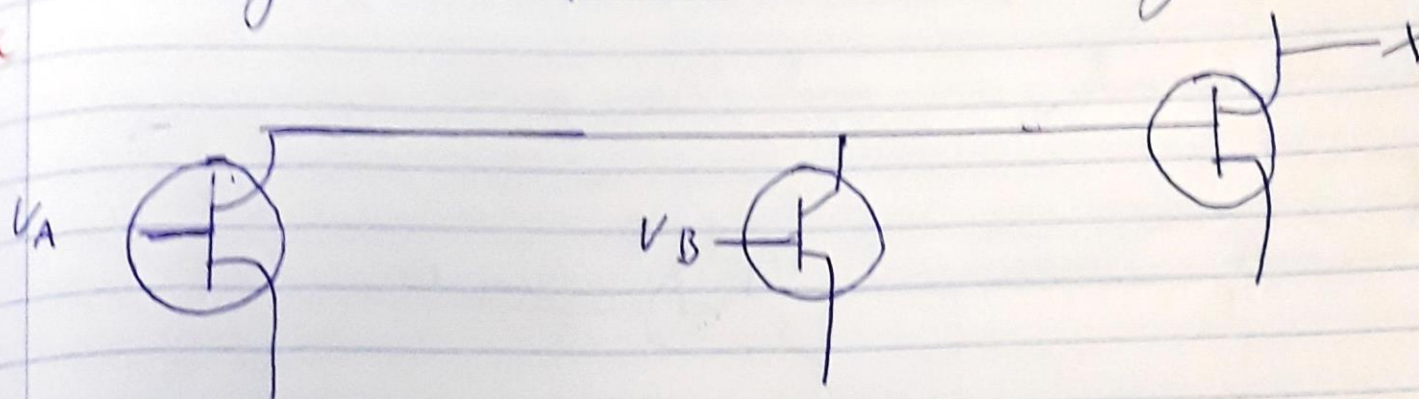
A	B	X
0	0	1
0	1	0
1	0	0
1	1	0

And gate with nand and not gate

(b)



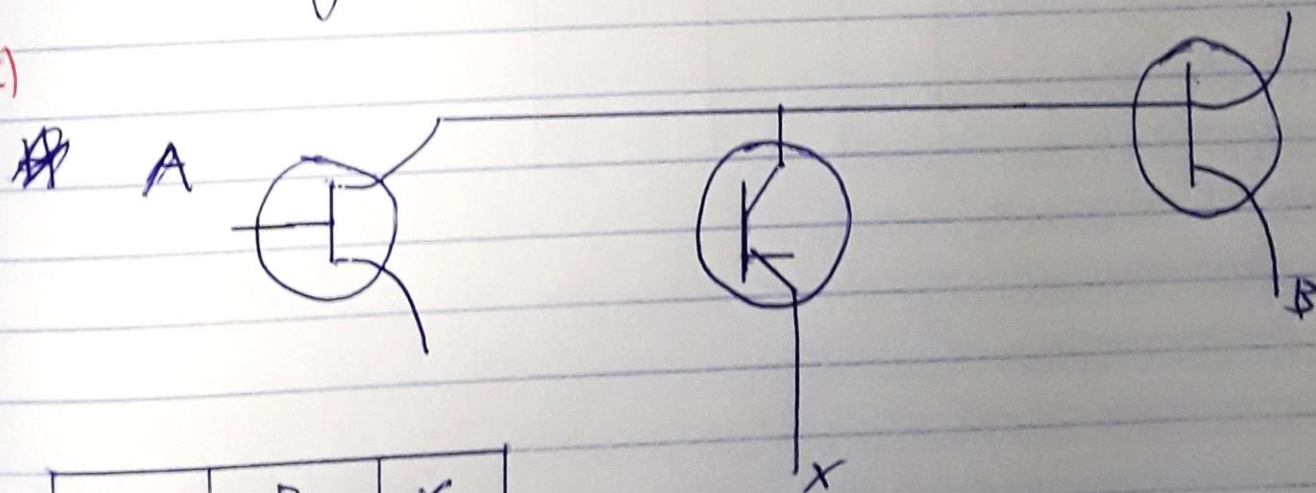
A	B	X
0	0	0
1	0	0
0	1	0
1	1	1



A	B	X
0	0	0
1	0	0
0	1	0
1	1	1

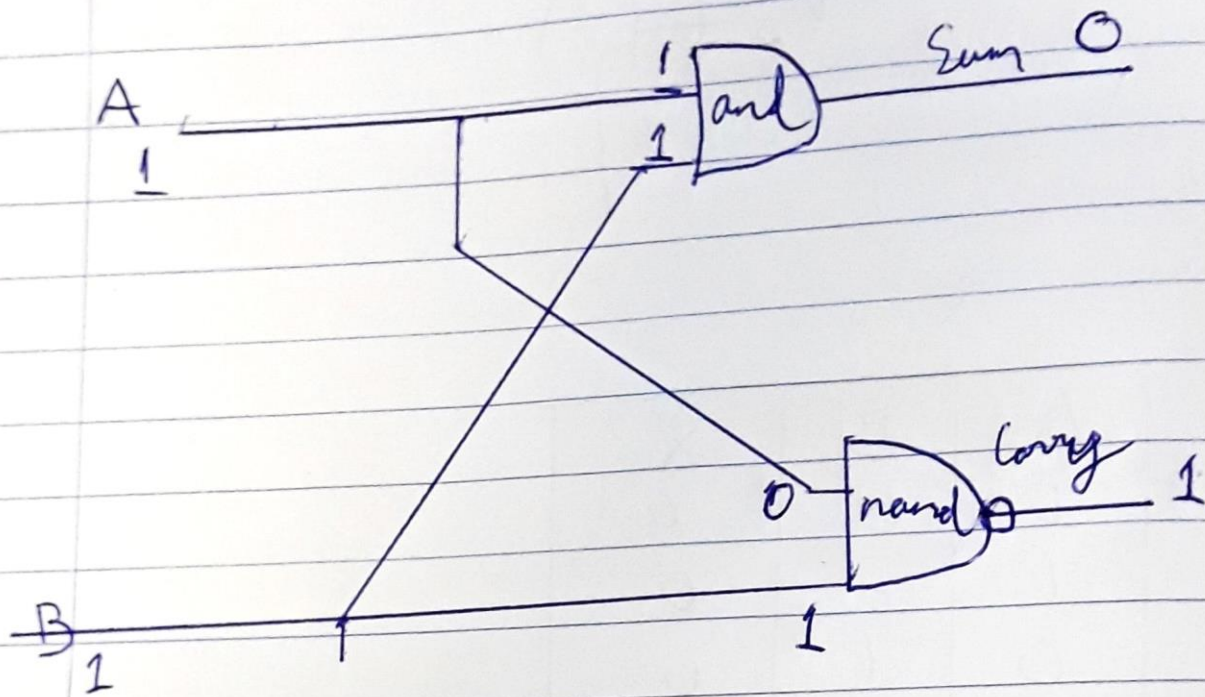
2 XOR gate with nor and not gates

(c)



A	B	X
0	0	0
1	0	1
0	1	1
1	1	0

d) nand, or and AND gates



Inputs		Outputs	
A	B	carry	Sum
0	0	0	0
1	1	1	0

3.

