
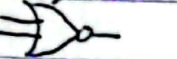


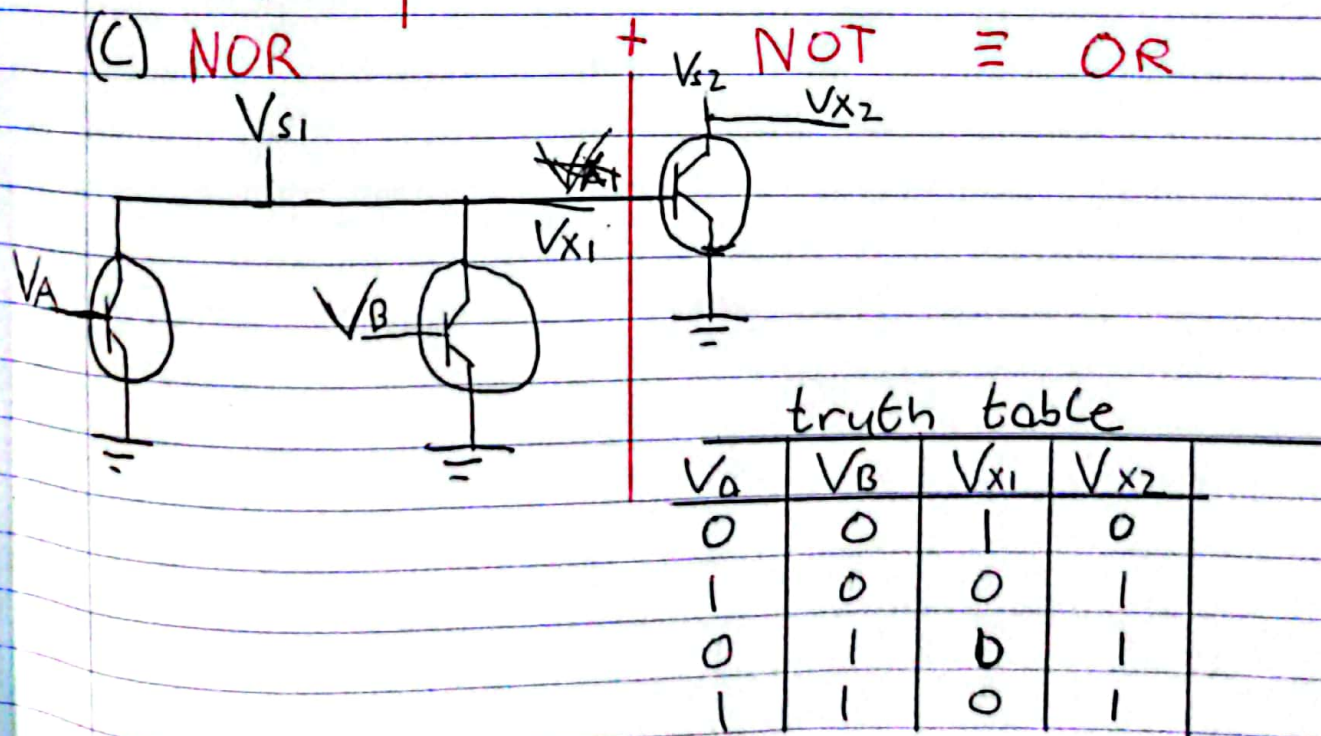
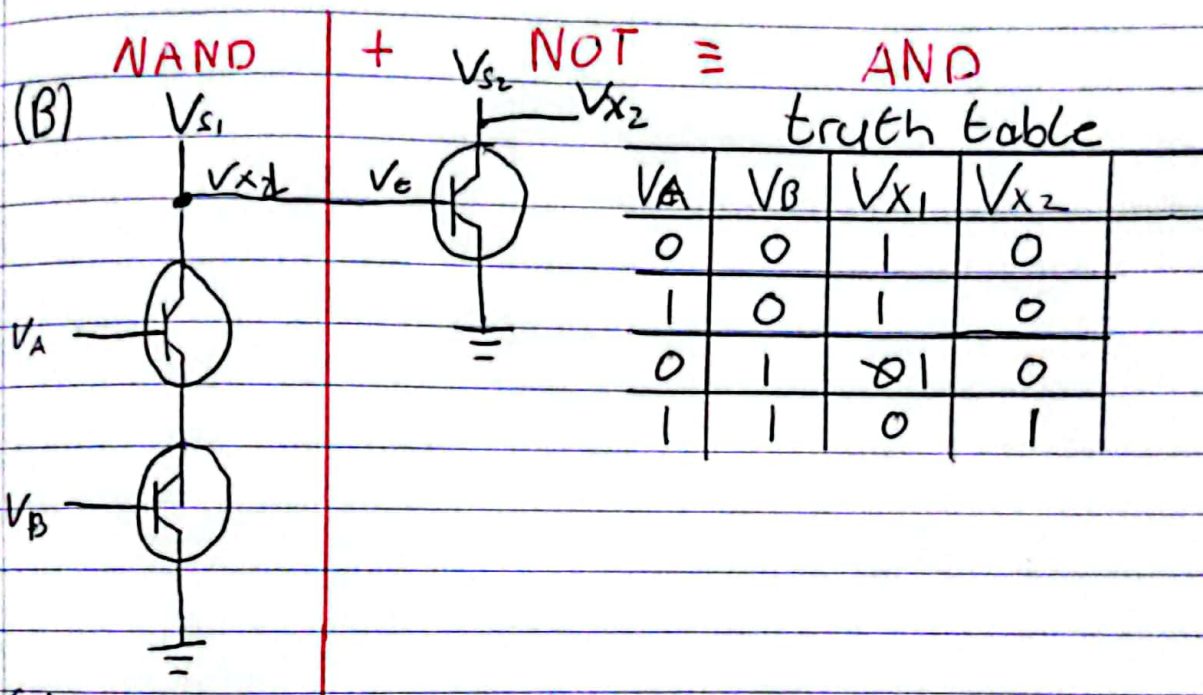
01/12/21

Practicle 6

1

(A)

- (i) XOR \equiv 
- (ii) NOR \equiv 



21/12/21

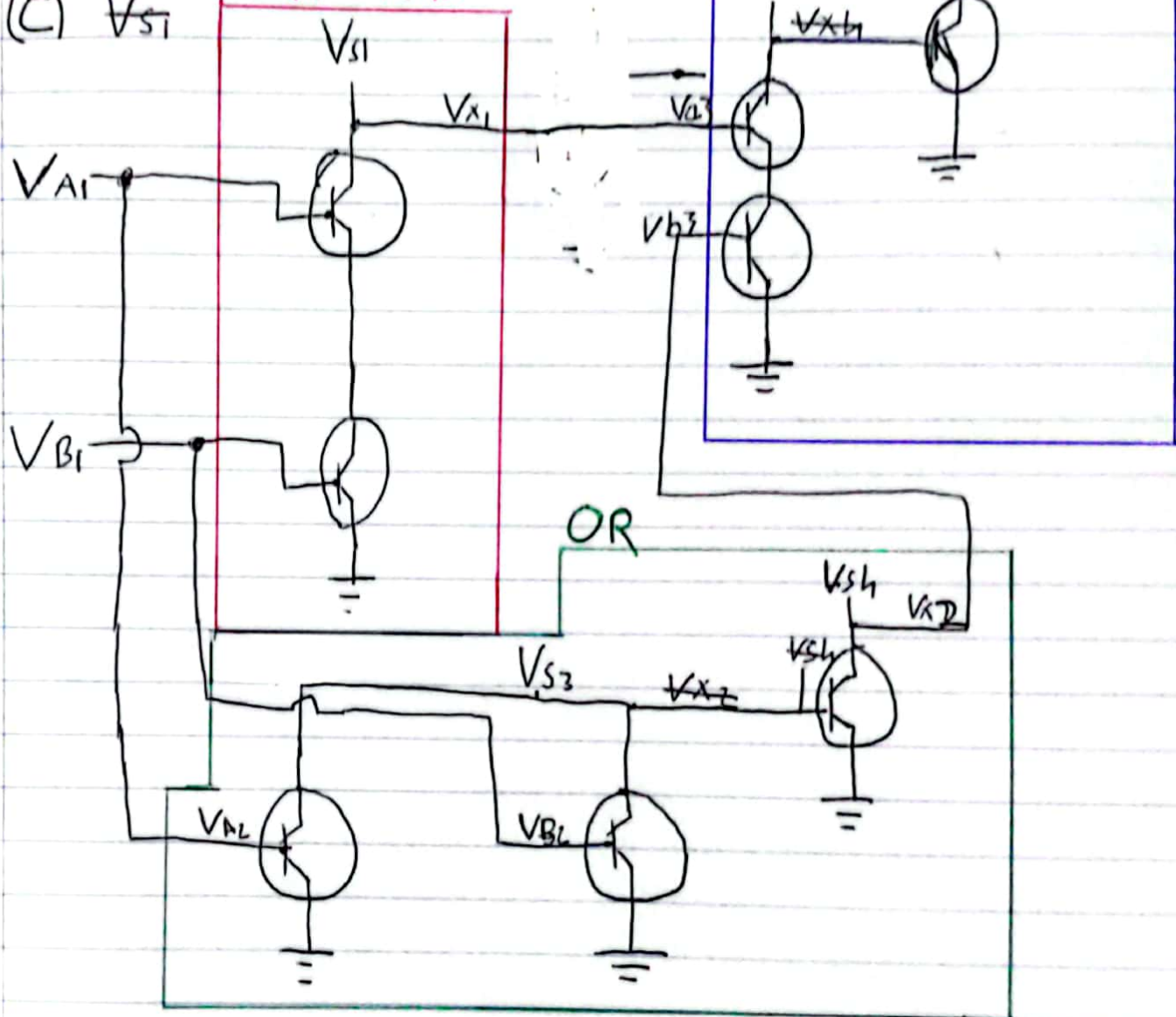
Practical 6

2

(C) V_{S1}

NAND

AND

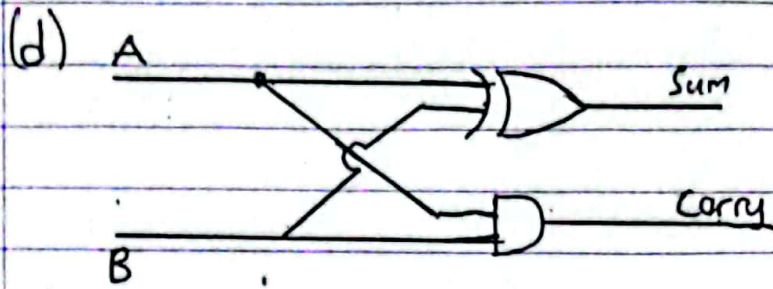


truth table

	V_{A1}	V_{B1}	V_{A2}	V_{B2}	V_{A3}	V_{B3}
(i)	0	0	0	0	1	1
(ii)	1	0	1	0	1	0
(iii)	0	1	0	1	1	0
(iv)	1	1	1	1	0	0
	V_{X1}	V_{X2}	V_{X3}			
(i)	1	1	1			
(ii)	1	0	0			
(iii)	1	0	0			
(iv)	0	0	0			

01
12
21

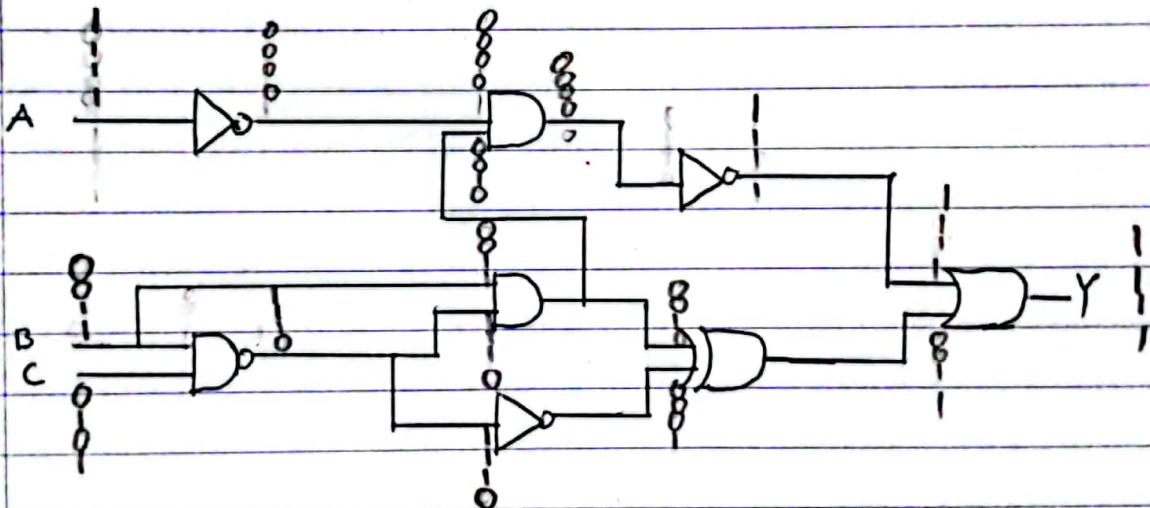
Practical 6



truth table

A	B	Carry	Sum
0	0	0	0
1	0	0	1
0	1	0	1
1	1	1	0

3



truth table

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