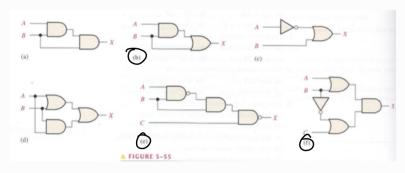
۲.



- P) AB1 B
- e) x= 418
- ર)

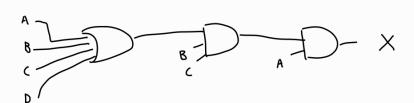
- R

Å	. 8	x
~	0	0
Ó	1	1
(o	Ð
ι		1

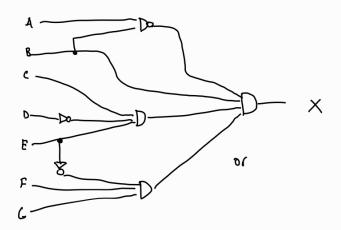
Å	В	<u> </u>
0	٥	١,
0	ı	1
(σ	Ð
ι	ı	('

٨	В	_ <u>C</u>	l K
0	Ø	0	0
0	0	ı	0
0	,	0	O
O) 1	ļ 1	\ '
l	0	0	\ '
١	0	1 '	\'
,	1	0	0
'.	\ 1	1 1	/ 1
١	1		1.

11. e) ×= A[BC(A+B+C+D)]



B ((DE+EFG) (AB+C)

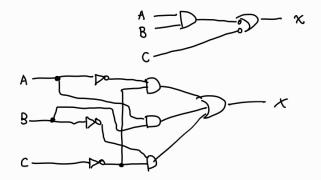


13. logic cor

	INPUTS B		OUTPUT X
0	0	58ã − 0	1
0	0	1	0
0	1	0 - ABL	1
0	1	1	0
1	0	0 - VBC	1
1	0	1	0
1	1	0 - ABC	1
1	1	1 - ARC	1



= ARTC



Α	В	С	*
0	0	0	0
٥	٥	\ ı	0
٥	١	0	0
0	١	1	0
١	٥	٥	0
(Q \(1	0
l	١	0	1
1	1	1	1

$$8) \times = AB + \widehat{B}C$$

c) $X = AB + A\overline{B} = A$

No simplification

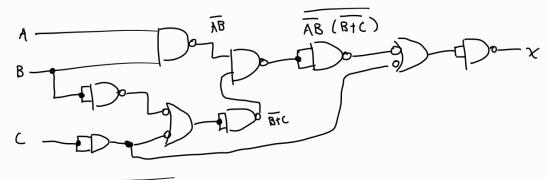
No simplification

bilect connection from input to out put no gates.

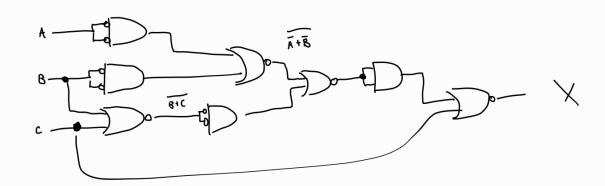
d)
$$X = \overline{ABC} + B(EF+\overline{G}) = \overline{A}+\overline{B}+\overline{C}+BEF+B\overline{G}$$

 $= \overline{A}+\overline{C}+\overline{B}+\overline{E}+\overline{G}$
 $= \overline{A}+\overline{C}+\overline{B}+EF+G$

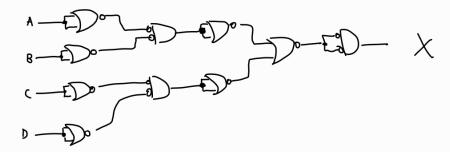
= ABC



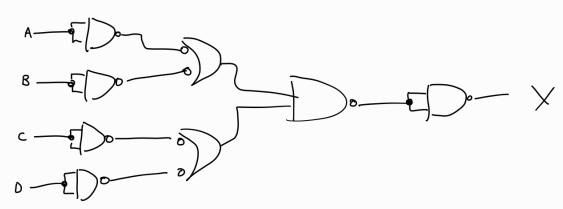
23. $X=\frac{\sqrt{B+C}}{AB(B+C)}C$



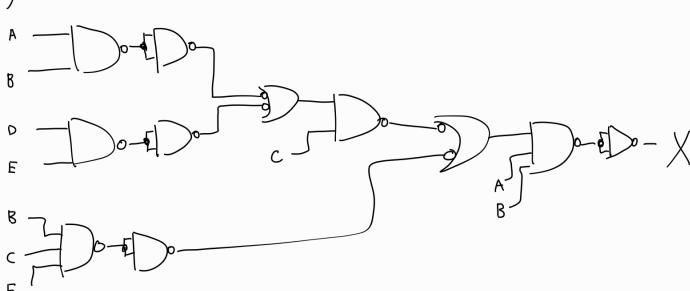
24. X= AB+CO



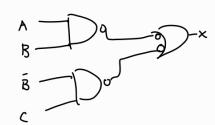
25. f) x = (A+B)(C+D)



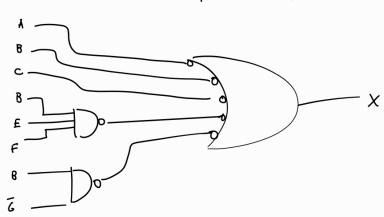
3)

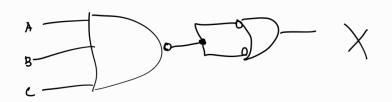


b) x = A (B1C) = AB1 \$ C

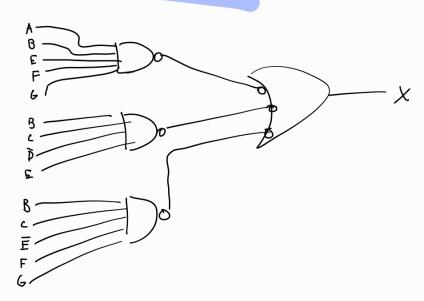


d) X = ABC + B (EF1G) = A1B+C+BE++BG





$$S$$
) $X = B(c\overline{D}E + \overline{E}FG)(\overline{AB}+c) = B(c\overline{D}E + \overline{E}FG)(\overline{A}+\overline{B}+c)$



A

$$=A+\overline{8}+B$$

$$B \longrightarrow \square$$

$$X = ABC$$

