P3. $(5\overline{Y}\overline{X})(\overline{Y}X+\overline{Y}+X)+(5+Y+X)(\overline{Y}X+X)$ 5 X (x+x)(x+x+2) + Xy (x+x) (x92) (De mosjan & INDOLUTION) =) X (X+Y)(X+Y+Z)+ XY(X+Y) YZ (AA=A) 3 X (X+Y) (X+Y+Z) [Y9=0, A+0=A] XY + XYZ (Distribution & Idemportant) A+AB = A) Nok Gates: XY $= (\overline{X} + \overline{Y})$ (X+Y

P4. A(A+C)(AB+AB+C)(B+BC)

= A(Atc)((A+B)(A+B)(+B(B+C)) De Morgon &

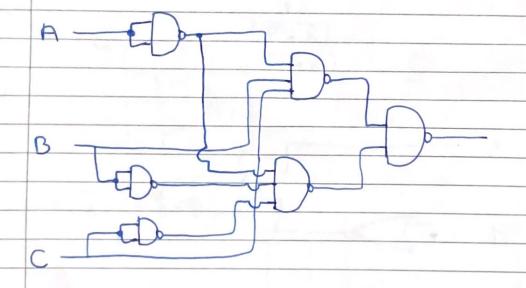
= A (A+B) (+ BB (B+E) Distribution &

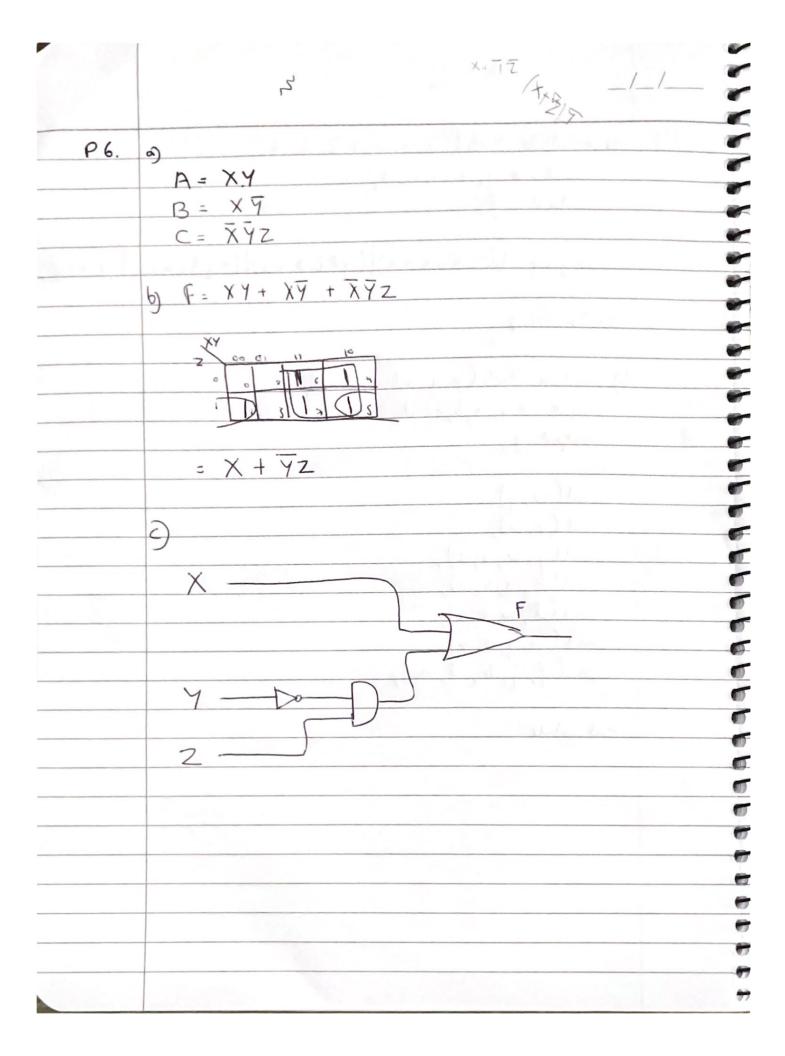
(BB=B) Absorption Low

= ACA+ ACB + AB (B+E) Dichi Dution

= O + ACB+ ABB+ ABC (AA=0)

= ACB+ ABC (BB=0) Complement (aux





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9	219/2 = 109 -> 1
-	109/2= 58
9	S8/2 = 29 - 0
9	29/2 = 14 -> 1
a a	M/2 = > 0
9	7/2 = 3 -> 1
	3/2 = 1 -> 1
9 9 9	$1/2 = 0 \rightarrow 1$
9	
9	= 11101011,
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9	6) 1101
•	5 1
9	= 1 x y 3 1 x y 2 + 0 x y 4 1 x y °
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