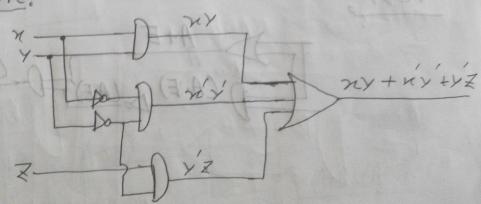
* Given the boolean tunction F=ny+xx+

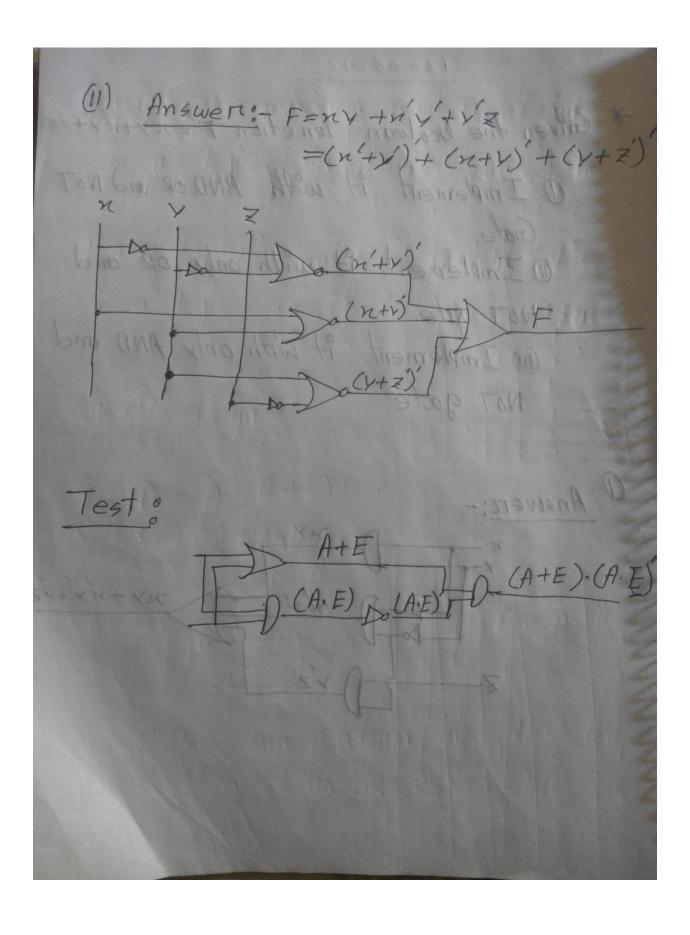
1) Implement it with AND, OR and NOT Gale.

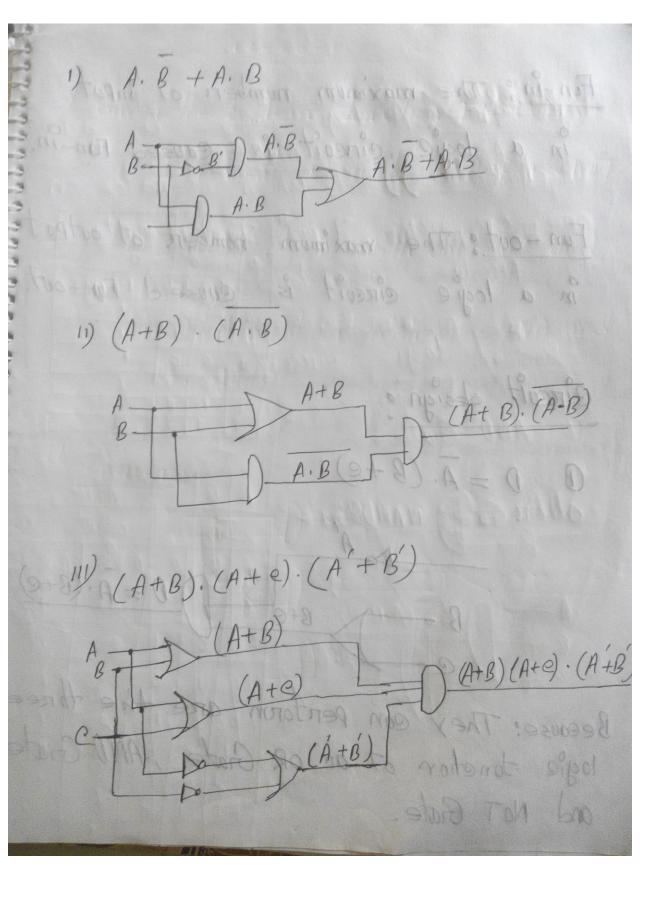
@ Implement it with only or and Not gate.
(III) Implement it with only AND and

NOT gate

Answerz:-

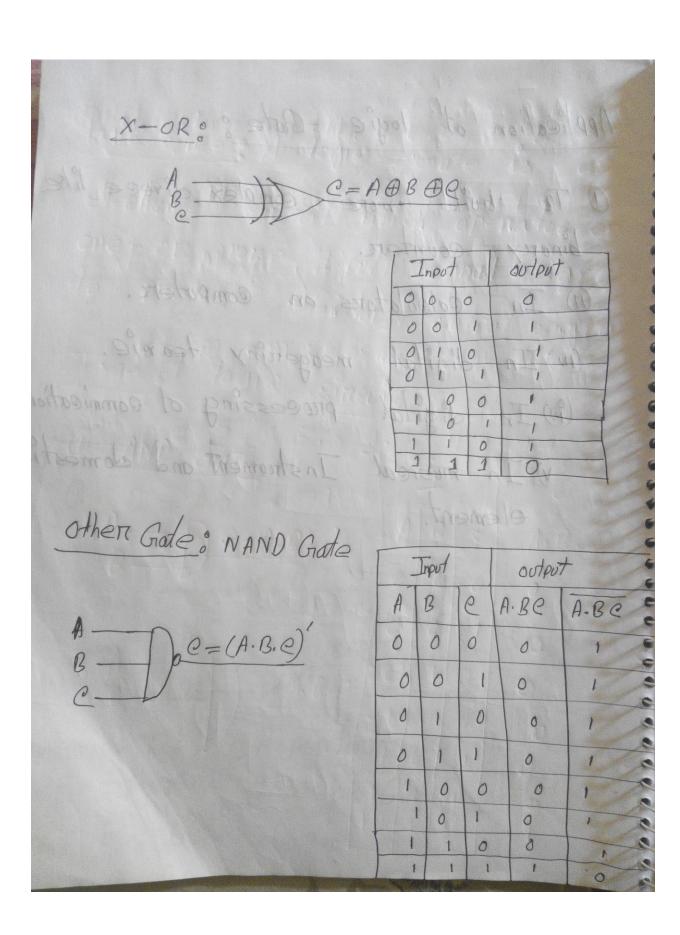






Fun-in: The maximum numbers of input in a logic circuit is caused Fan-in. Fun-out: The maximum number of outpot in a logie circoit is equised Figh-out. Circuit design o $0 D = \overline{A} \cdot (B + e)$ B+C Beeouse: They can periform are the three logic tonetion of an OR Grate, AND Grate and NoT Grate.

Application of logic Gale: O To build more complex divere like binary counter. (1) In collectors an compoter. (iii) In digital meageniny teanie. (iv) In digital processing of commication V) In musical Instrument and domestic element. OHER GODES HAND GODE



NOR: A Blood A setting supply NAND and NOR Grates are called Universo Gate Basic Gate AI anon 10 and to preduce standard output signal OR Gate : Hooning sipol to sax T D=A+B+P OMA D 9 9 8 1 8.8=9 NOT Gale: out B

