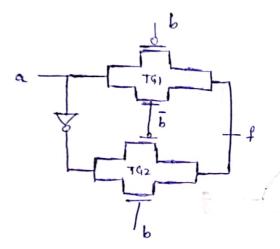
abunit-1 LA9 " Assignment-I (1) (a) Identity the name of a 2 input logic gate which produce an output i' only when the inputs are different.

Ans: XOR

(b) logical expression

Ans: $f = \overline{ab} + a\overline{b}$

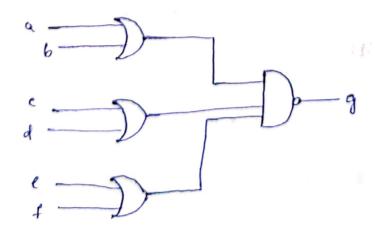
ce) Draw the transmission gate

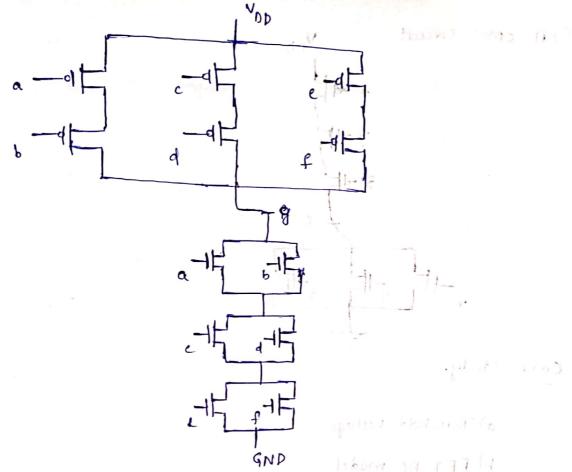


3) Use concept of bubble pushing - Draw comos structure of 9= (a+b)(c+d)(e+f)

OB

Ans: Step-1: Draw logic diagram





(a) logic gate 3 input - Produce output 0 when of the input is 1.

AMS: NOR3

OB

(b) logical expression.

Ans: f= 74+4+3

(c) Noiof transistors for emos

Ans: 6

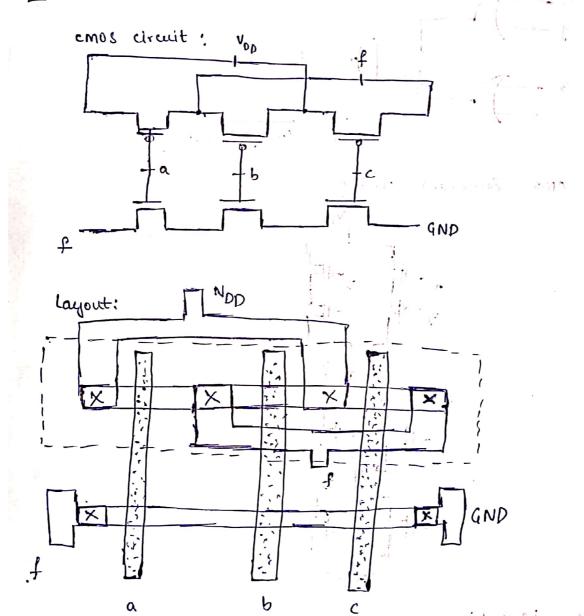
3 → nFETs

3 -> PFETS A MONT

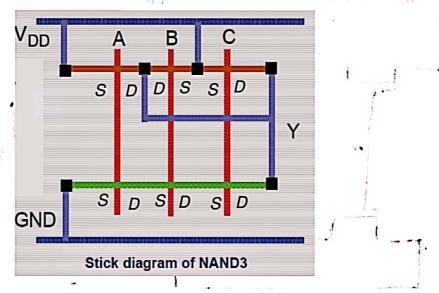
Unit-2 LAG

3 layout and stick diagram of NAND3.

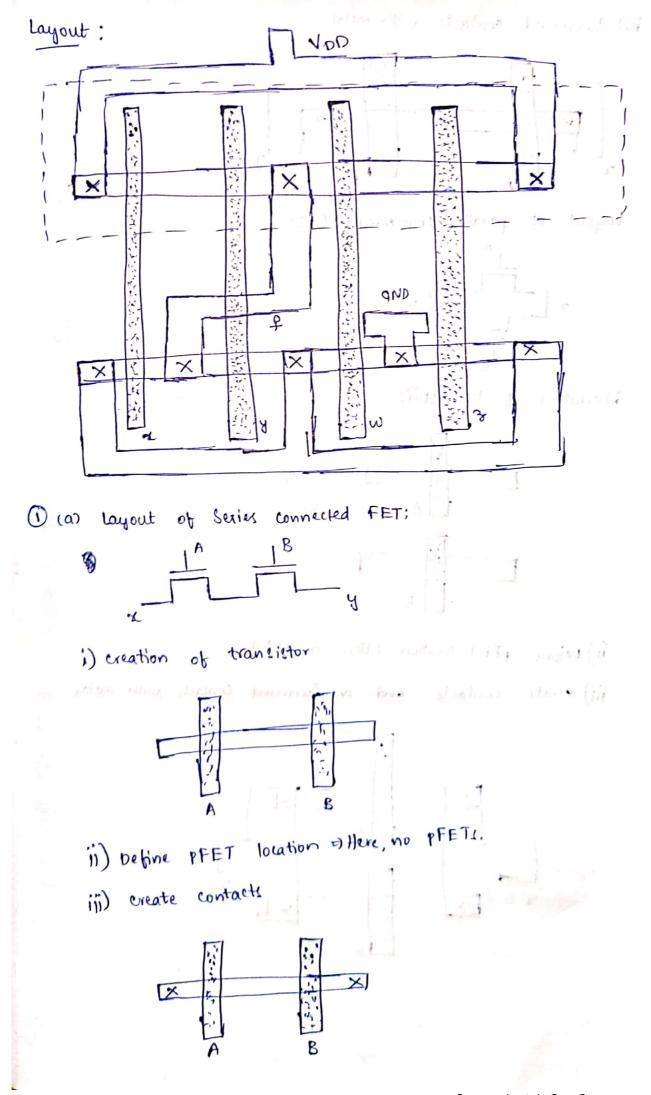
Ans: f = abc

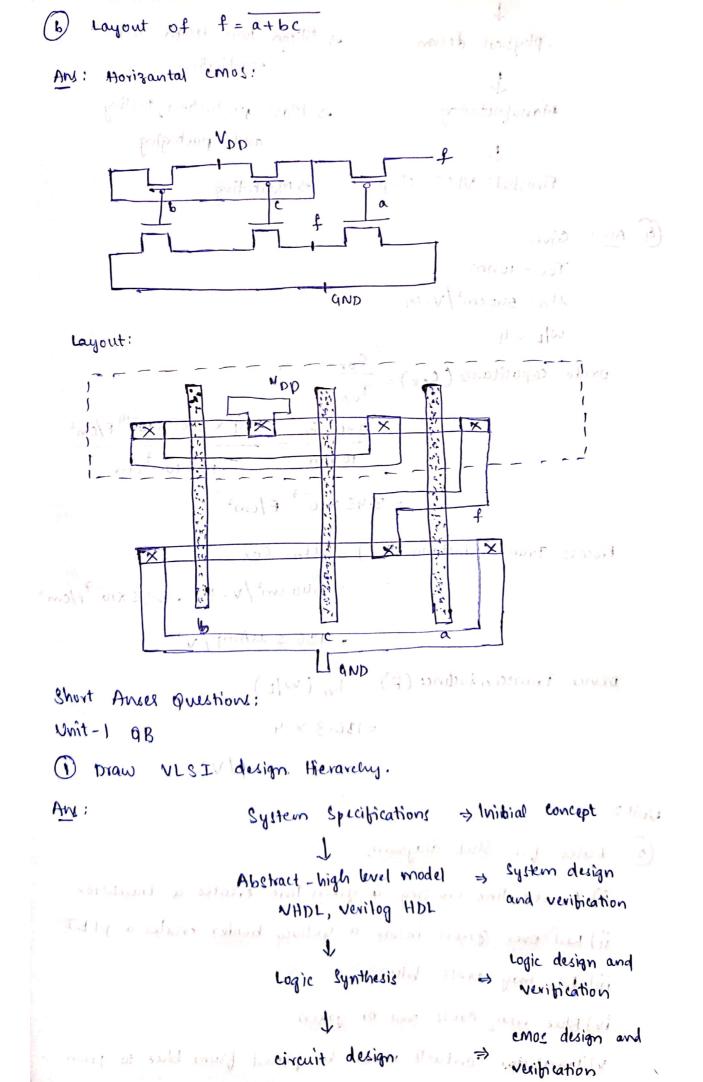


Stick Diagram:



Scanned with CamScanner





Scanned with CamScanner

