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90 nm Foundry Assignments: B.1.b (Using gonm Foundry) B.1.6:a) 2 yp NAND b) 2 ip NOR (1) B.1.c :d) 2 ilp OR \* 2 ilp NAND, 2 ilp NOR Gales: 2 UP NOR 2 UP NAND Symbols Ynor = A+B Ynand = A.B Expression. (PI//PZ), (NI-NZ) (PI-P2), (NI//N2) MOSFLT - +10D Level Schematic G SB M (fA) R (tB) 2 GHZ 5GHZ JUL ع) ٦٢٢ ( <del>( أ</del> أ 2.5 GHz  $(f_A)$ \_\_\_\_\_ Inand 2.5 GHZ (NI) 2 (NI)  $f_A = \frac{1}{2} \cdot f_B$  $t^{A} = \frac{3}{1}t^{B}$ B Ynor Thand 1

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## MOSFET-Level Schematics for 2 Up AND, 2 Up OR Gate:



