Transistors:

Bipolar junction transistors (BJT)

M-Type P-Type

[Insulator

Insulator

M-Type P-Type

M-Type P-Type

M-Type P-Type

TTLs: (Transistar-transistar logic)

Gote Drain Gote Drain Gote Drain
-Source

For NMOS, lif Ngs is Low to Transister is off

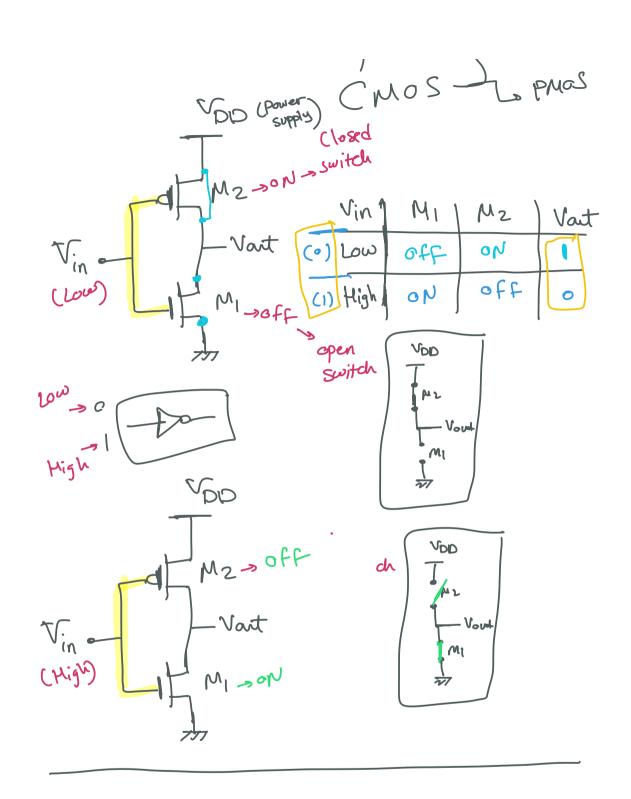
Switch is open

if Ngs is High to Transister is onl

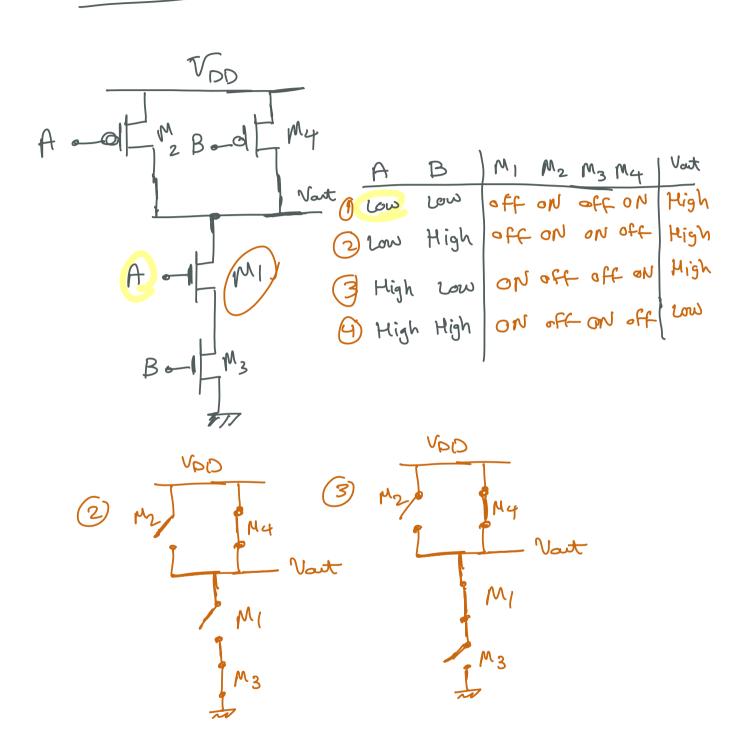
switch is closed

Gate of Dein

Complementary 1 ~ NMOS



Example:



This is a NAND gate.