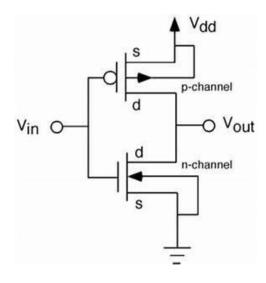
## **EXPT NO: 10 CMOS INVERTER LAYOUT DATE:**

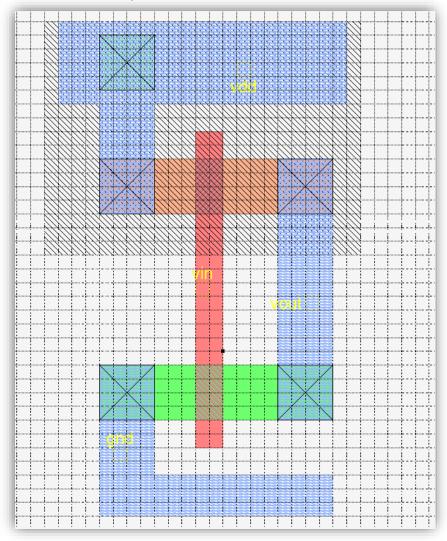
**AIM**: To draw the LAYOUT of CMOS Inverter in MAGIC, extract the parameters in SPICE and verify the functionality.

**SOFTWARE REQUIRED**: Ubuntu 10.1, NGSPICE, MAGIC

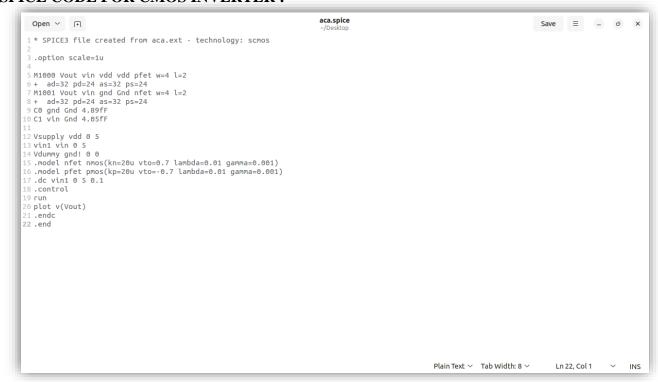
### **DIAGRAM:**



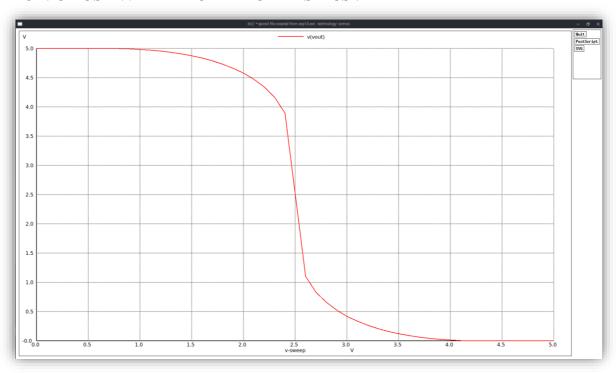
# **CMOS INVERTER Layout in MAGIC:**



#### SPICE CODE FOR CMOS INVERTER:



#### **OUTPUT: CMOS INVERTER CHARACTERISTICS:**



**CONCLUSION:** The LAYOUT was successfully drawn, parameters extracted in SPICE and the characteristics of CMOS Inverter were verified.