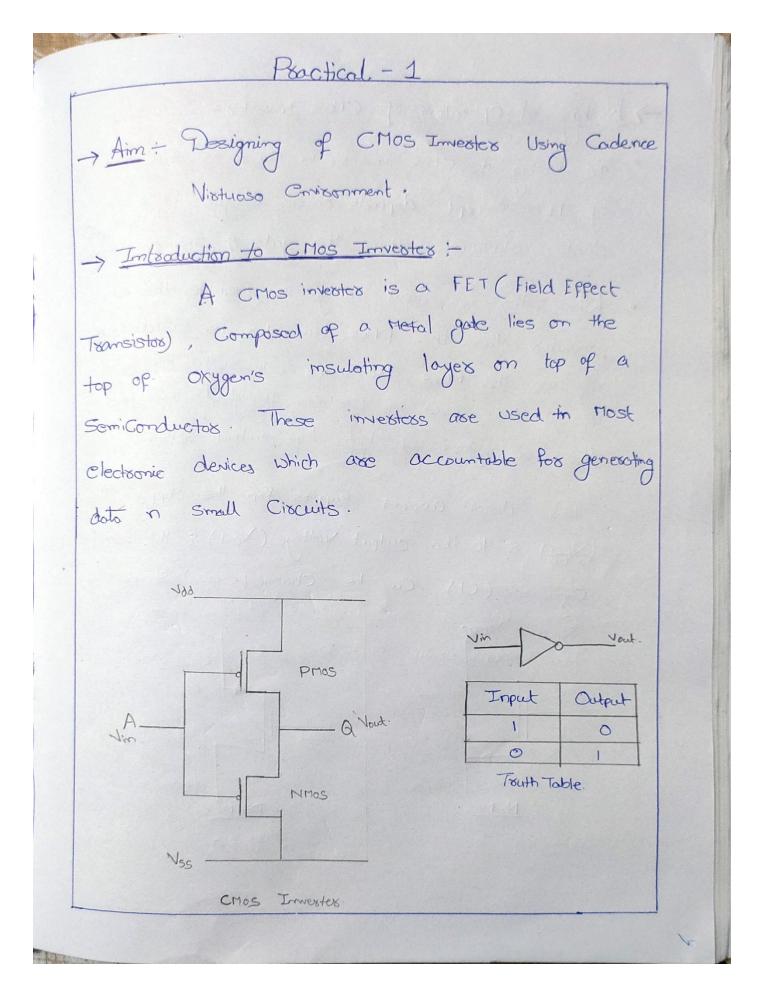
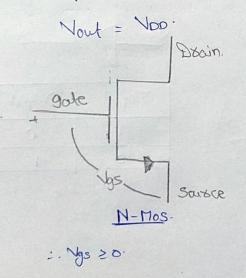
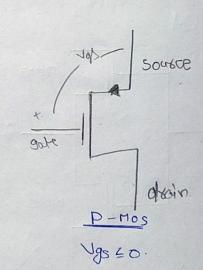
Designing of An Inverter:



-> Working of Operation of Cros Investor:

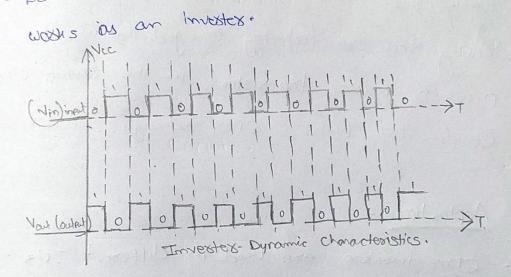
- The working of cross investor is same as the working of FET. Except depends on an Oxygen layer to divide electrons within the gate & Semiconductor.
- When the Low input voltage is given to the cross investor, then the PMOS translator is switched on Whoseas the MMOS translator will switch off by allowing the flow of Electrons throughout the gate terminal & generating high logic output voltage.
- Thus, direct current supplies from the supply voltage (Vout) & the Load (Vout) & the Load Capacitox (CL) Can be Charged and Shows the

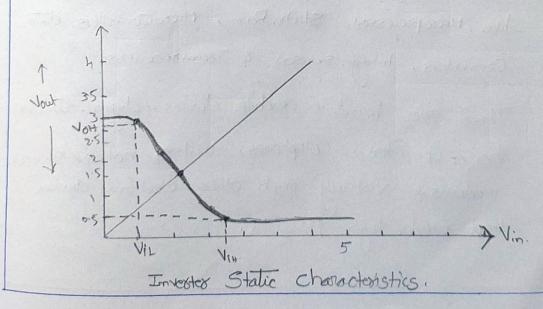




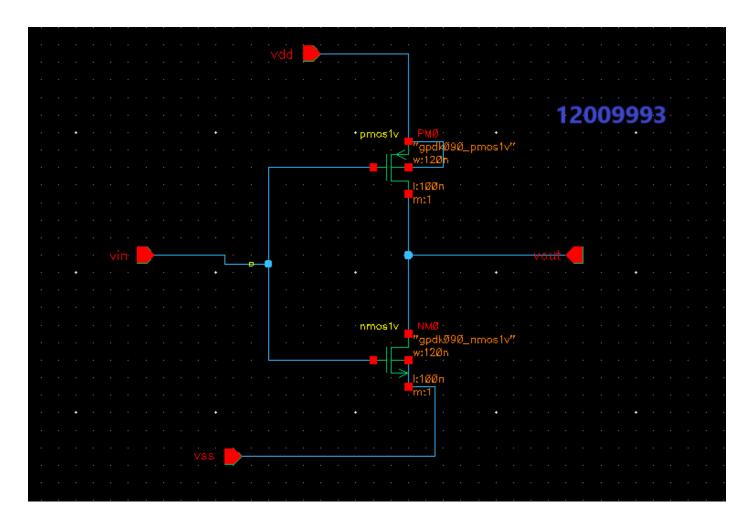
> observations :-

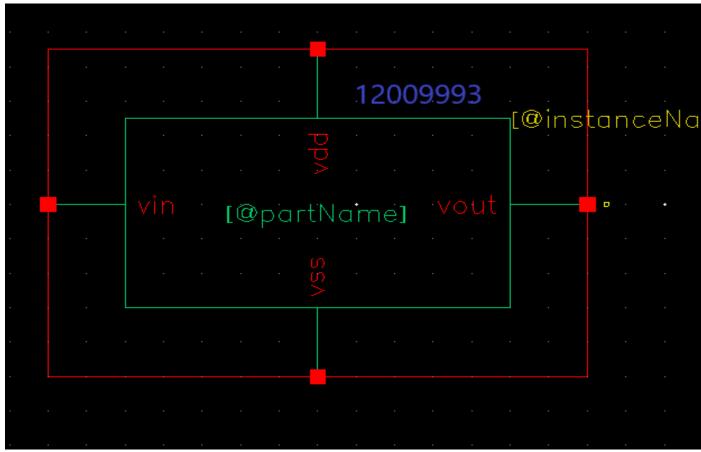
- . We observe the output signal of the investor by using the transient Analysis.
- . we have observed the transient Analysis and de Analysis of the invertex:
- . We have observed the transfert Analysis and Compared with the touth table of invester and verified it.
- He have observed that how the n-mos and p-mos

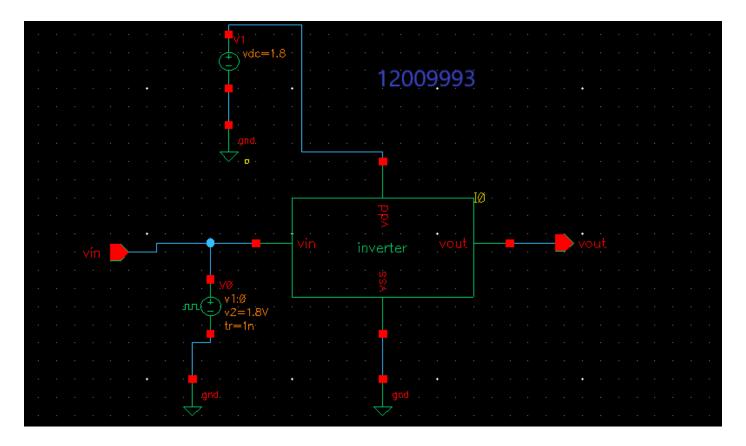


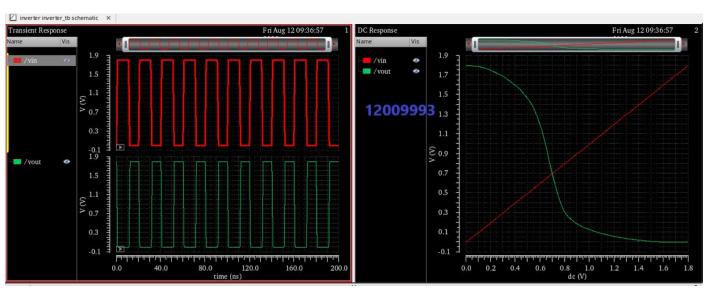


SCHEMATIC FROM CADENCE SOFTWARE:-









-> Concepts hearned :-

- We hearmed the design of thos invertor using the Cadence vistuoso tool.
- P-1705 EN-1905 Ciscults begin to dominate LSI & VLSI marshets in the 1970'S & 1980'S.
- · Use fewer components and one much simple to manufacture than TTL Circuits.
- During this esa, technology comerged that used for P-1705 & N-170s txansistors in the same circuits
- · Complementry N-105 & C165 technology.

> Applications +.

- · CMOS investors asse used in different Ic's like Hicroprocessors, Static Ram, Micro Controllers, data Converters, Image Sensors & Transpectivers.
- These are found in mobile devices, digital Cameras, home Computors, Celliphones, Souters, notwork servers, moderns & virtually each other electronic devices that needs logic functions.