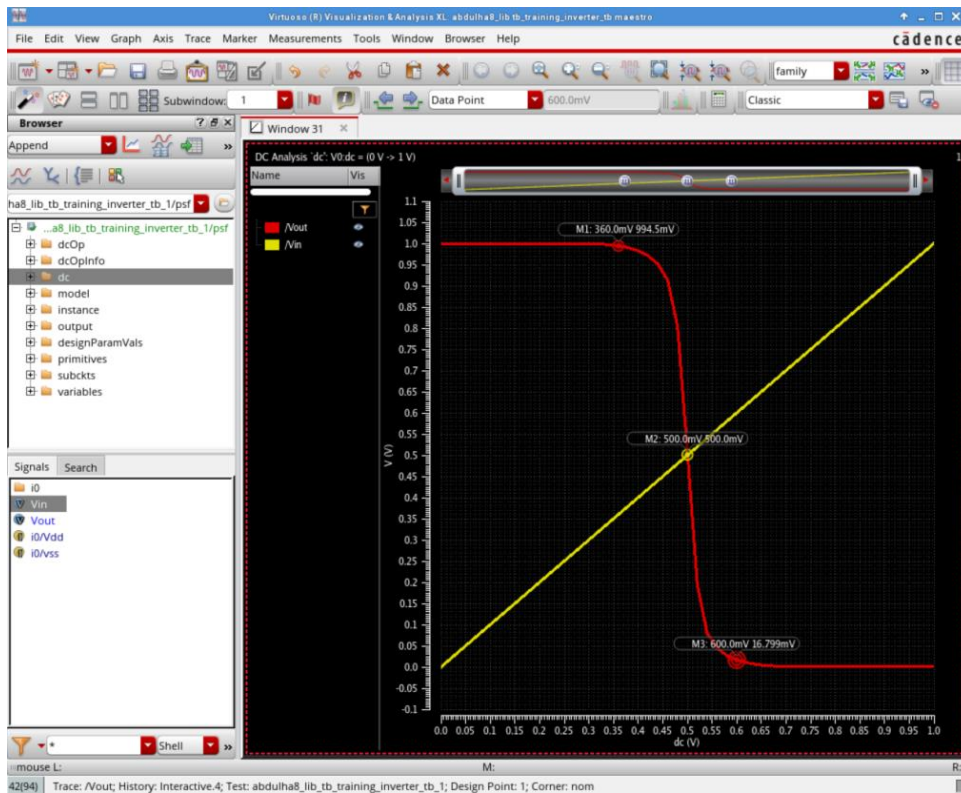
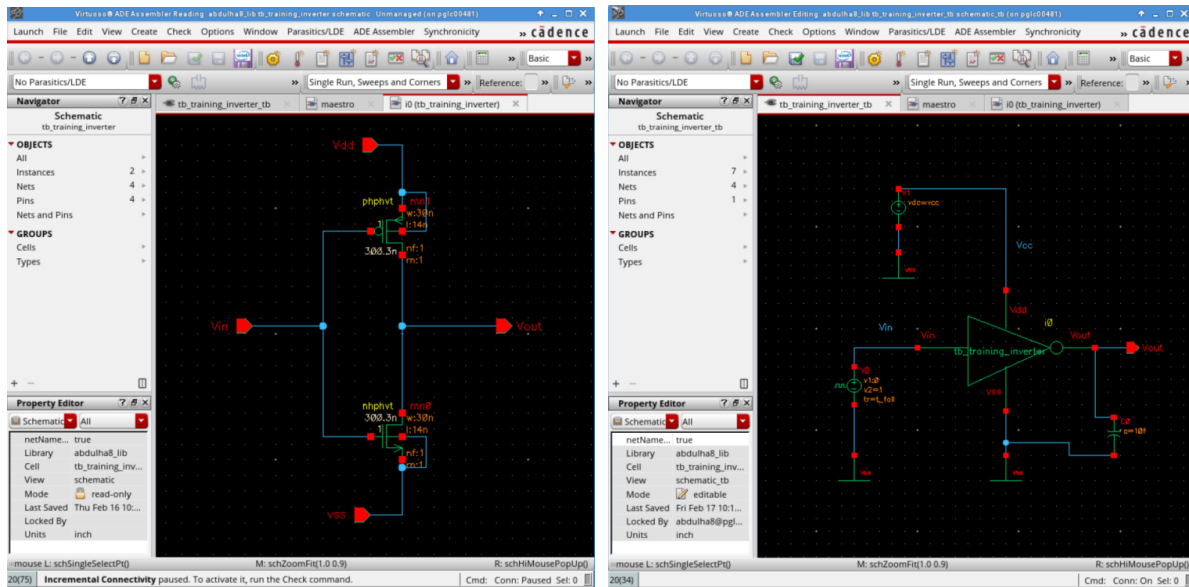
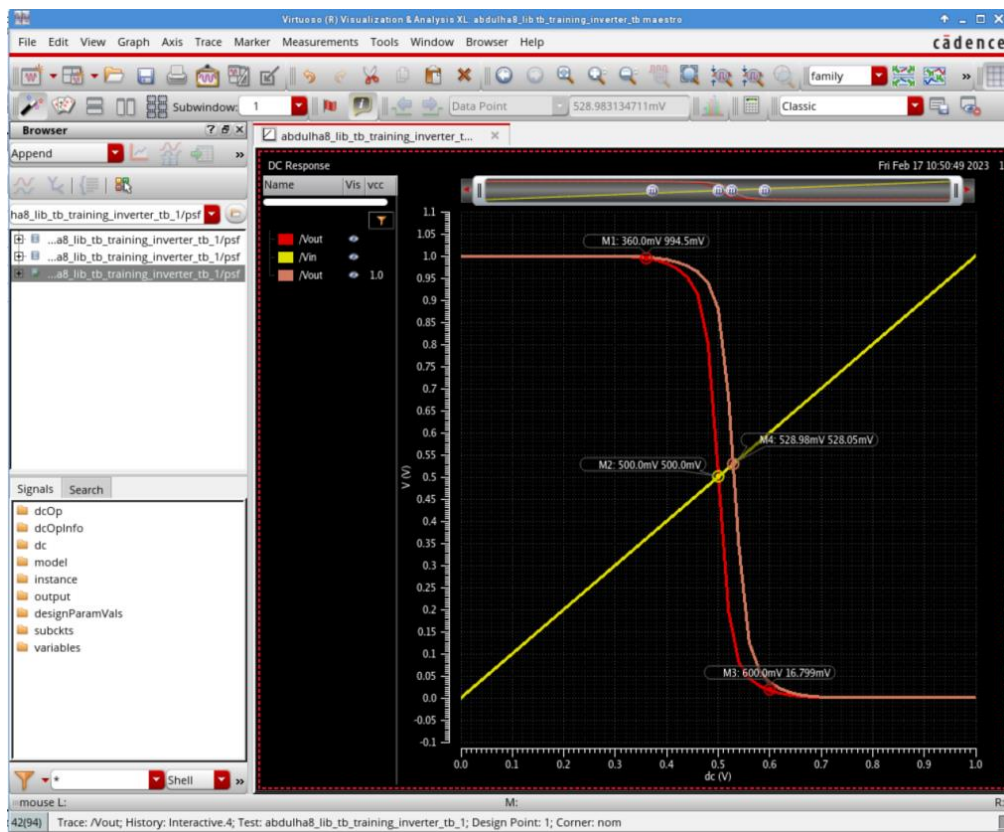
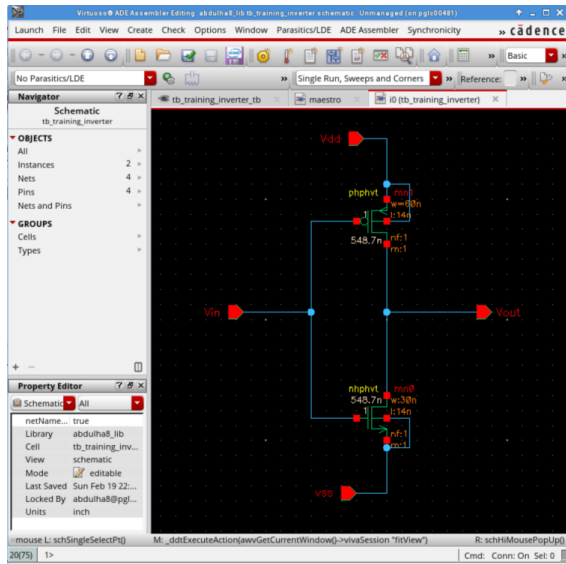


Static characteristic

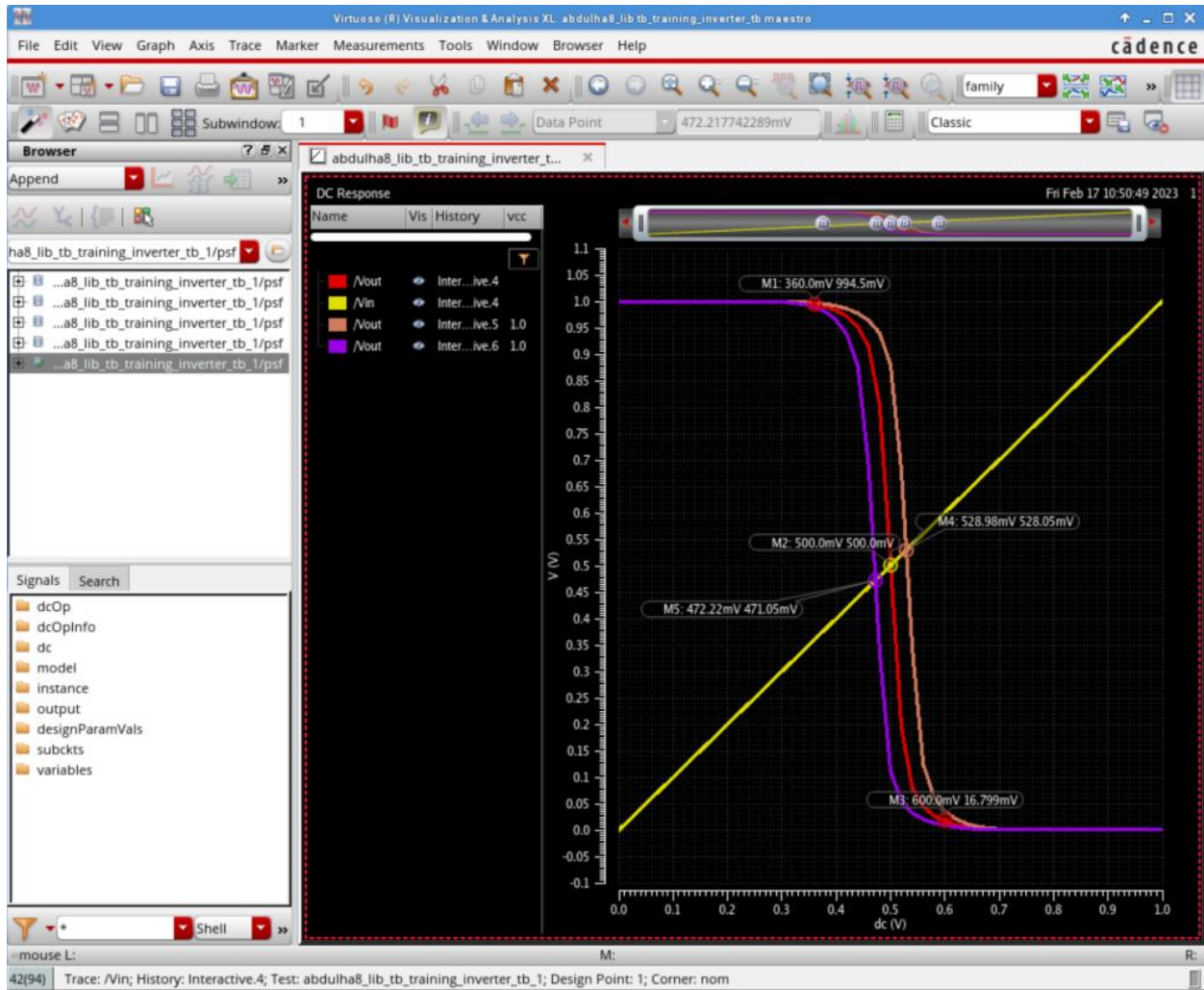
1) Draw the voltage transfer characteristic (VTC) curve



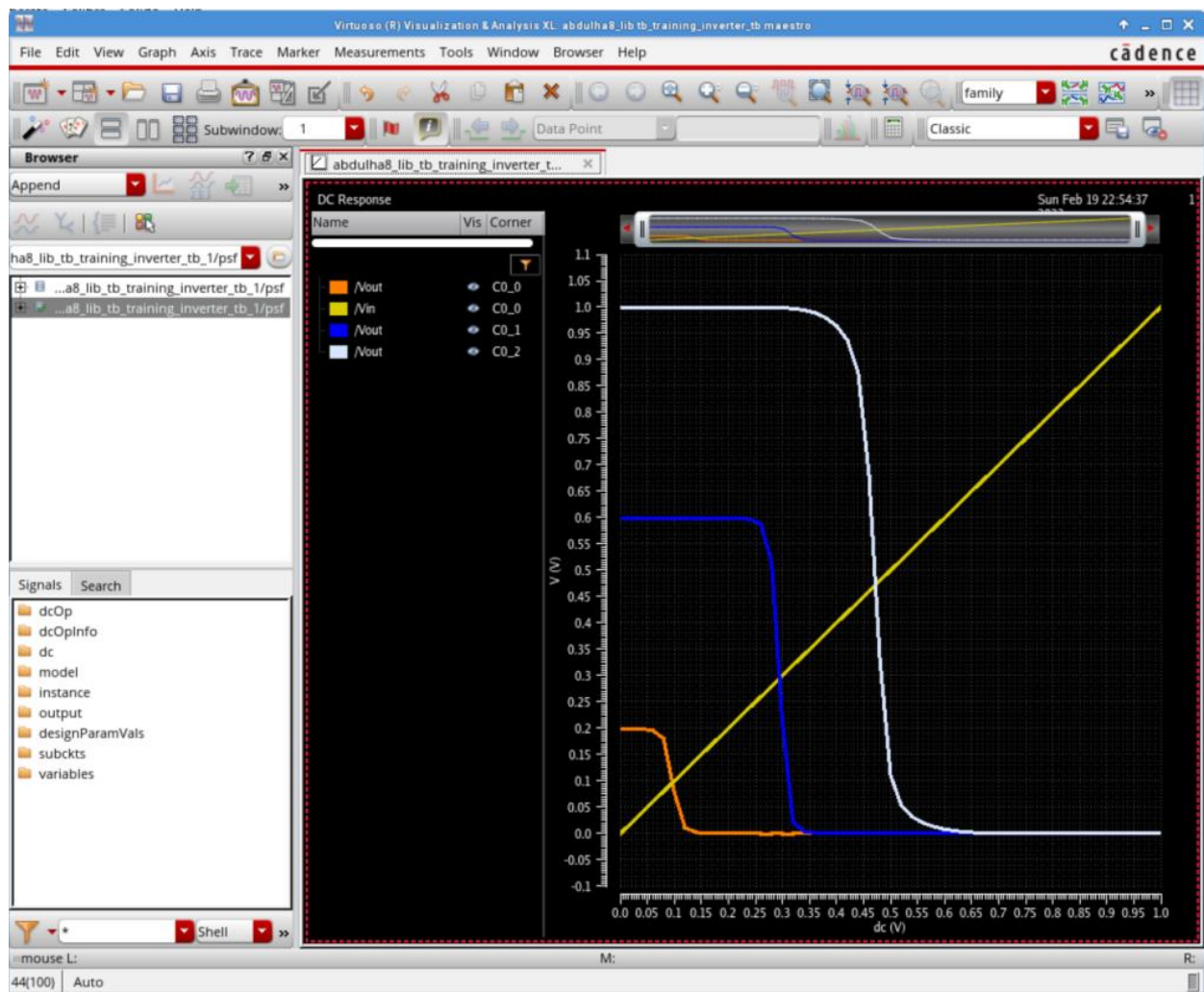
- 2) Draw the VTC curve for symmetrical inverter as well as asymmetrical inverter and check the difference.



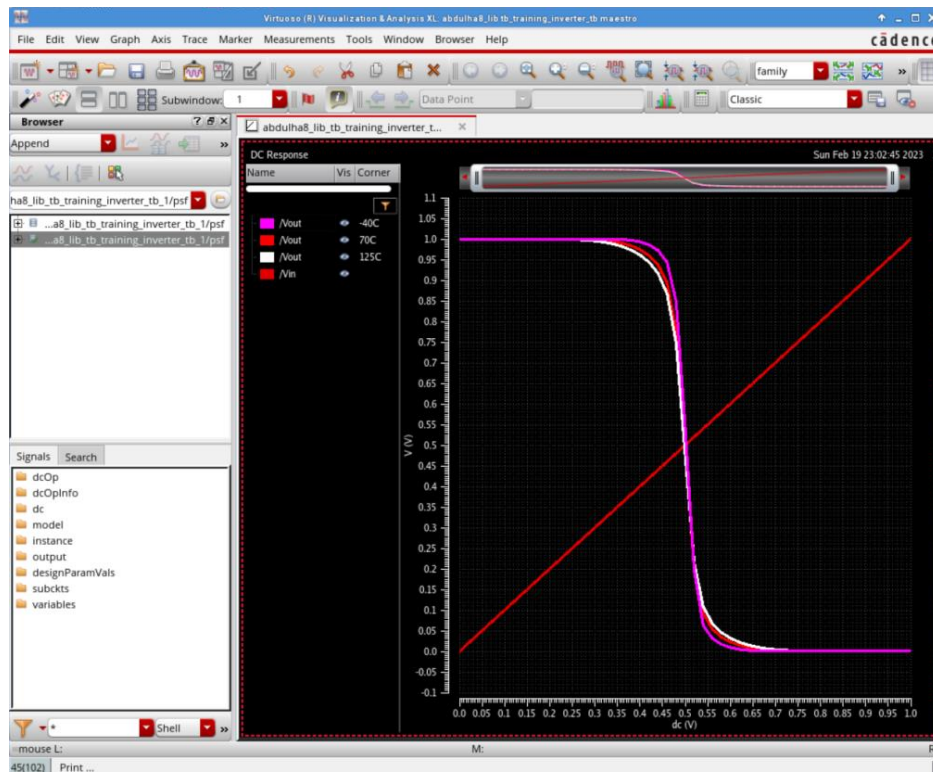
- 3) For different strength of PMOS and NMOS draw the VTC curve and check the shifting of VTC to left or right.



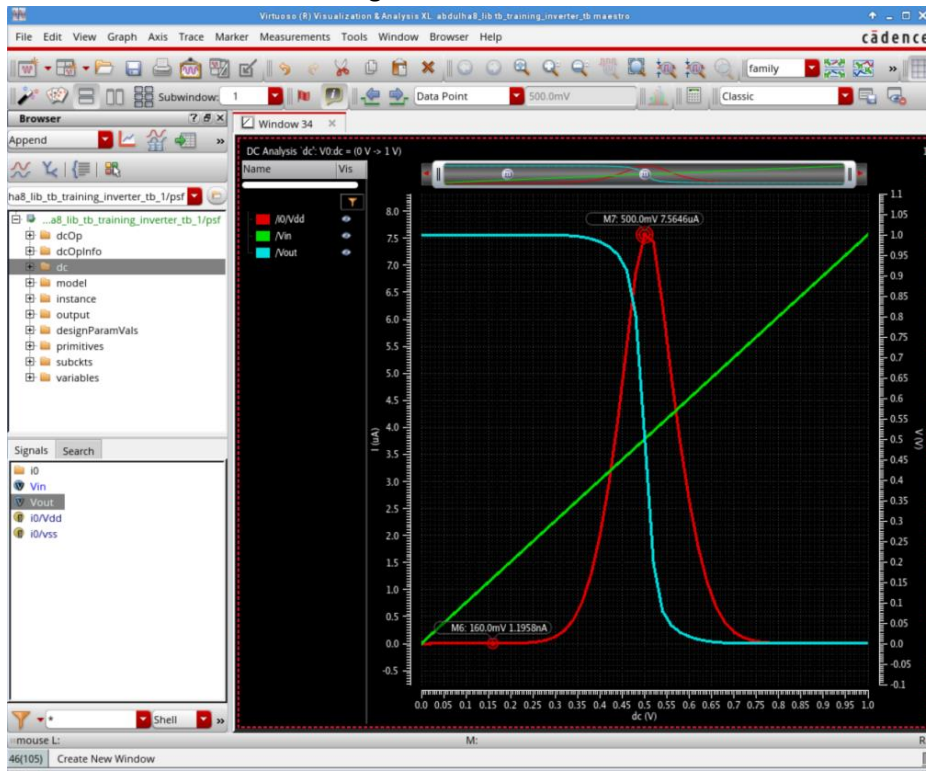
4) Vary the supply voltage and observe the VTC curve



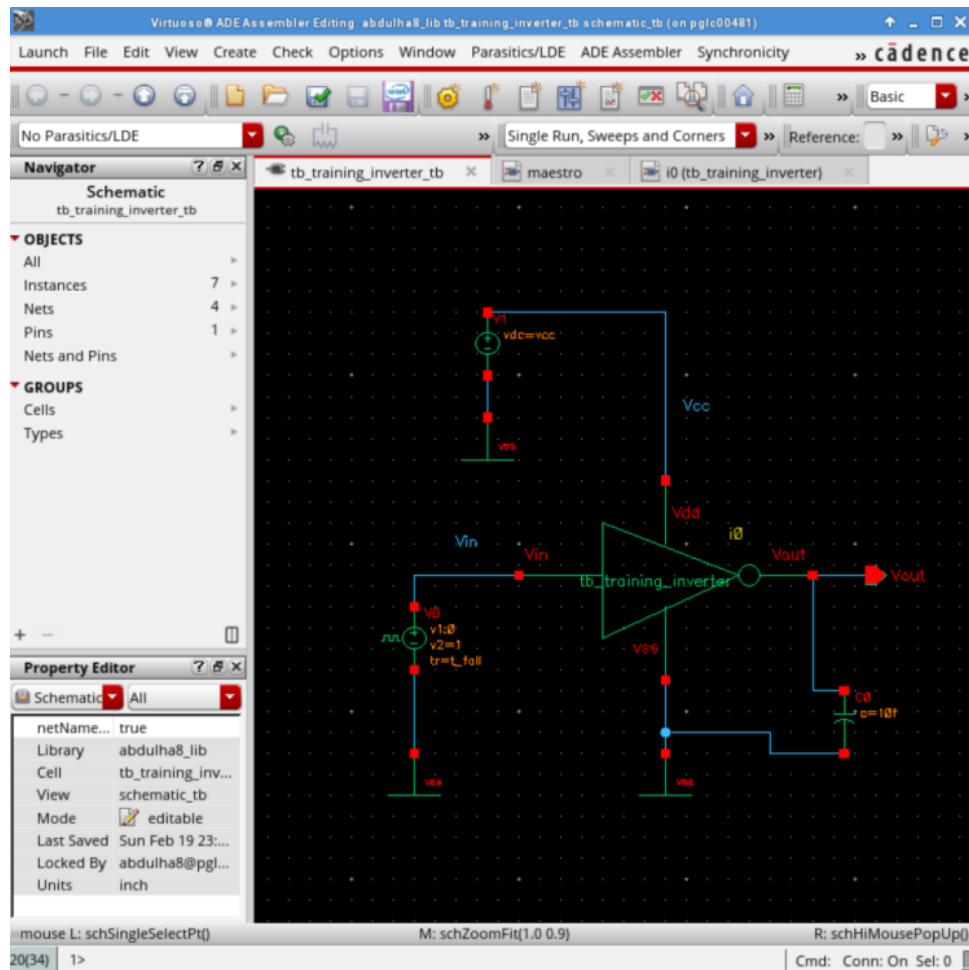
5) Vary the temperature and observe the VTC curve

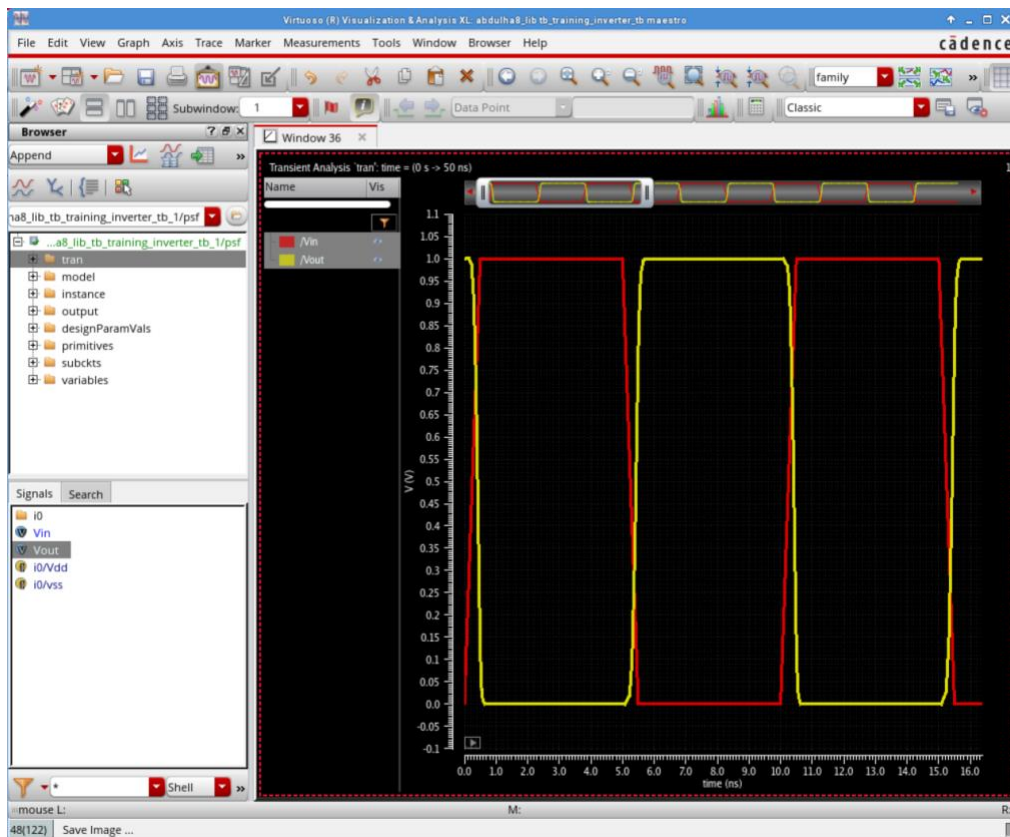


6) Draw the drain current through the inverter and calculate the static current



Dynamic Characteristics





t_period 1/cik_freq
 t_rise 0.05/cik_freq
 t_fall 0.05/cik_freq
 cik_freq 100M
 vcc 1
 vin 1

Test	Output	Nominal
Filter	Filter	Filter
abdulha8_lib_tb_training_inverter_tb_1	risetime	162.8p
abdulha8_lib_tb_training_inverter_tb_1	falltime	145.6p
abdulha8_lib_tb_training_inverter_tb_1	delay_rising(tplh)	167.1p
abdulha8_lib_tb_training_inverter_tb_1	delay_falling(tphl)	178.1p
abdulha8_lib_tb_training_inverter_tb_1	power_average	1.242u