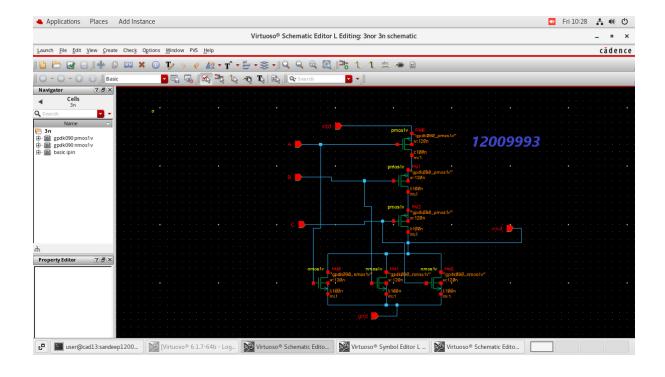
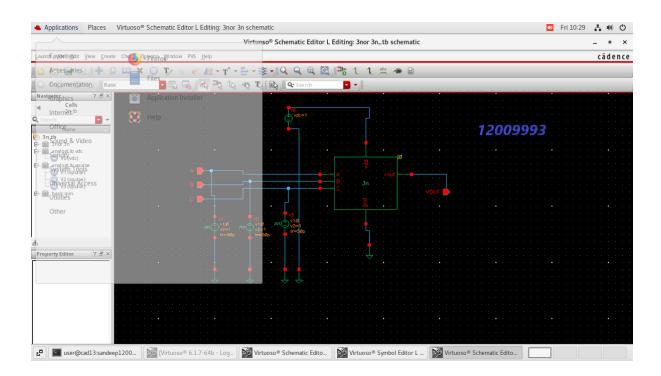
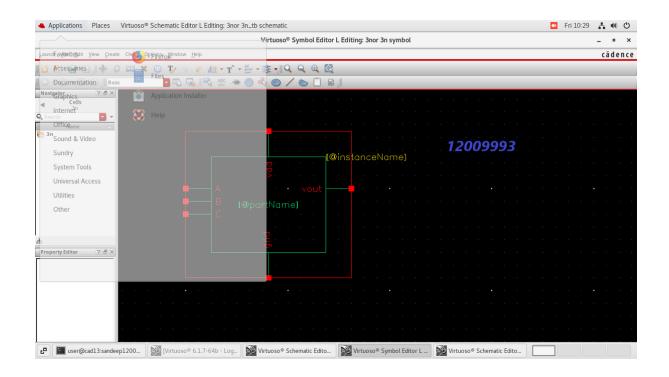


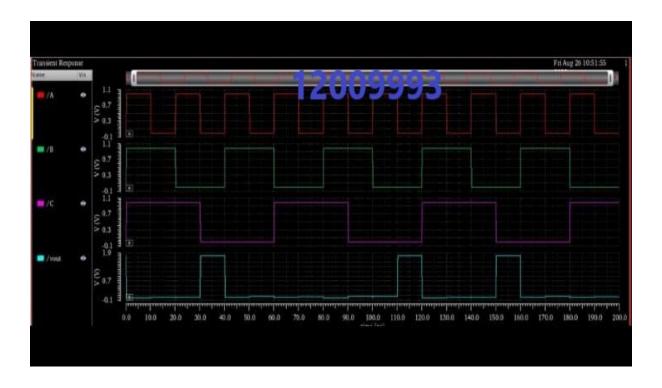
cose=1 (VA=Low & Vo=Law). Vc=Law). VA-LOW : PMOSI -> ON ; nmos1- OFF. VB-LOW; PMOSZ + ON; MMOSZ-OFF NC-LOW! PMOS3-)ON; DMOS3-OFF. There is no Discharging so [Vout = High]. Case = 2 (VA = LOW & VB = LOW & VC = High); VA > LOW! PROST - ON! NOSI - OFF. VE > High! Prosz - OFF! nhosz -> ON! VB -> LOW! PROSS - ON! MOSS -> OFF! Vout - Las . Las - tud Cose:3: (VA = High END-LOW & Ve-LOW) VA-) High , Prost-DFF , nmost-) once NB > LOGO; Phose-on; mmosz-) OFF NC-D LOW PROS3-ON , nmos3-JOFF ! Nout = Low. Cose: 4 (Vo: Low & VB: High & Vc=Low) VASLOWI PMOSI-ONI-NMOSI-OFF VB-J High , PROSZ-OFF, MINOSZ-ON VC-> LOW, PROS3 - ON! MMOS3 - OFF. Thout = Low. In the Similar way all the Combinations are Satisfied. Nout = High only when A11 the input are Low (a): otherwise it is Low -

Schematics from the cadence:-









-> Learning outcomes: * woking and Junctionality of OR Crate & NOR Grate. Usage of Prios & NHOS and its wettings. * Functionality wave form of NOR Grate. Handson Esperience with Coderce-Vistuoeso Simulation Tool. > Results fobservations