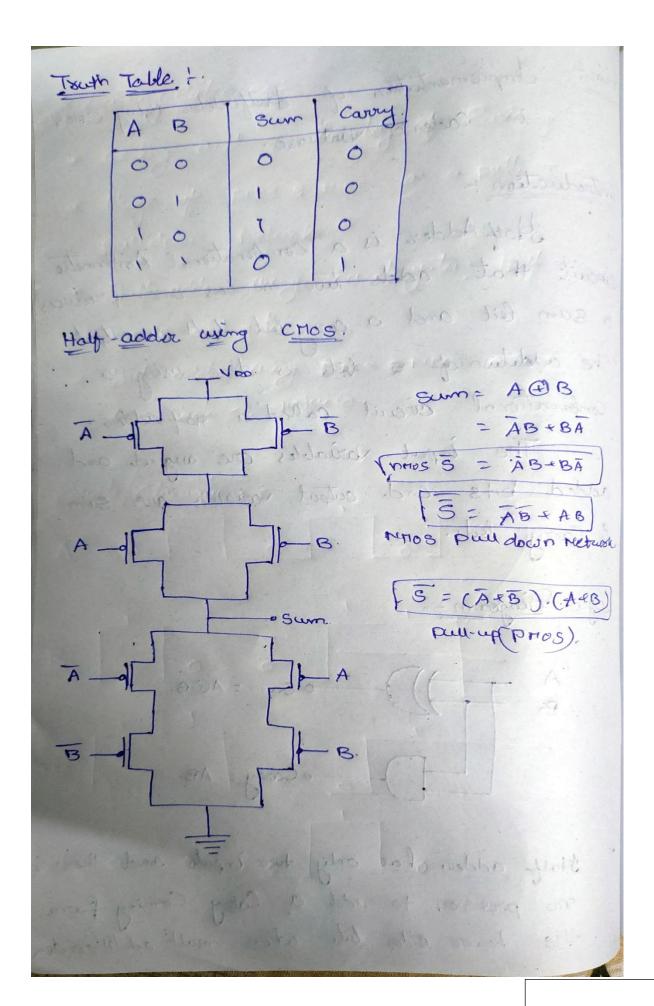
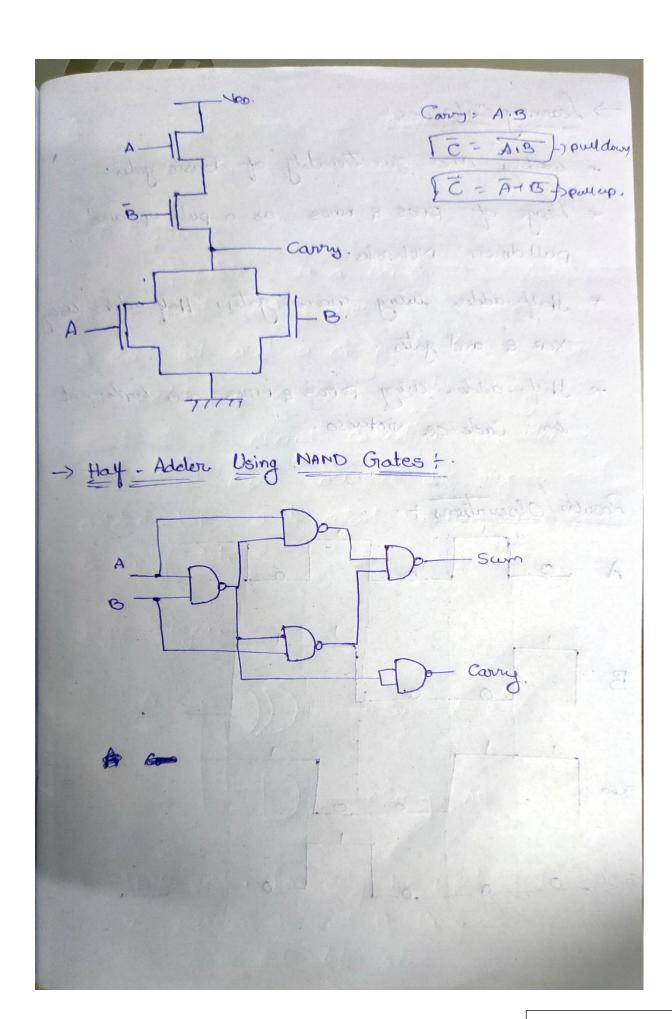
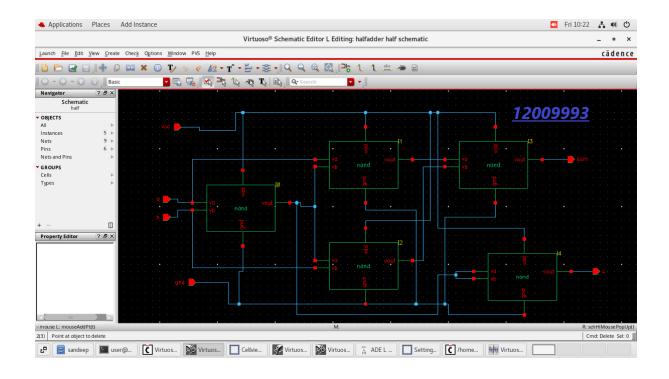
Implementation of Halfordeler using CMOS in codence virtuoso. Introduction: Hay Adder is a combinational Arithmetic circuit that adds two numbers and produces a sum bit and a carry bit both as autput: The addition of 2 bits is done using a Combinational circuit called a say adder. The input brusbles are augend and added bits and output variables are sum E Carry bits. Logic Diogram >. o Carry = AB. Half adder has only two inputs and there is no provision to add a Carry Coming from

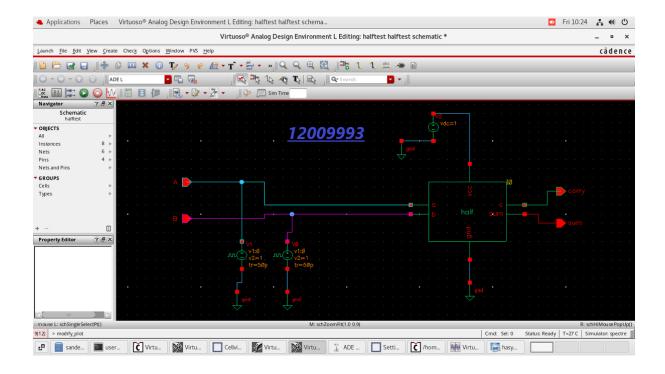
the hower order bits when multi addition done.

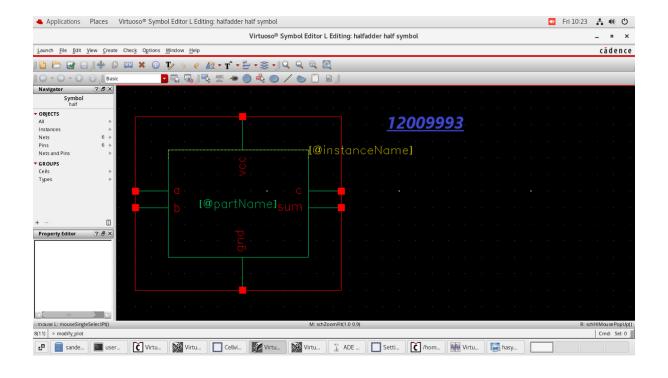


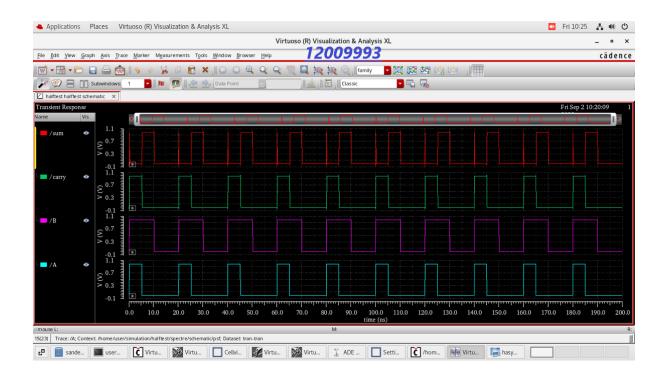


Schematics from the cadence:-









> Learning Outcomes : * working and garationality of Basic gates. * Usage of pros & MHOS as a pull-up and pull down Metworks. * Holf-adder wing mand gotes; Half adder us XOR & and gates. * Holf-adder living Dros & NOS COTE implement in Cadence vistures. Adding Using Mano Gotes Result Observations ?