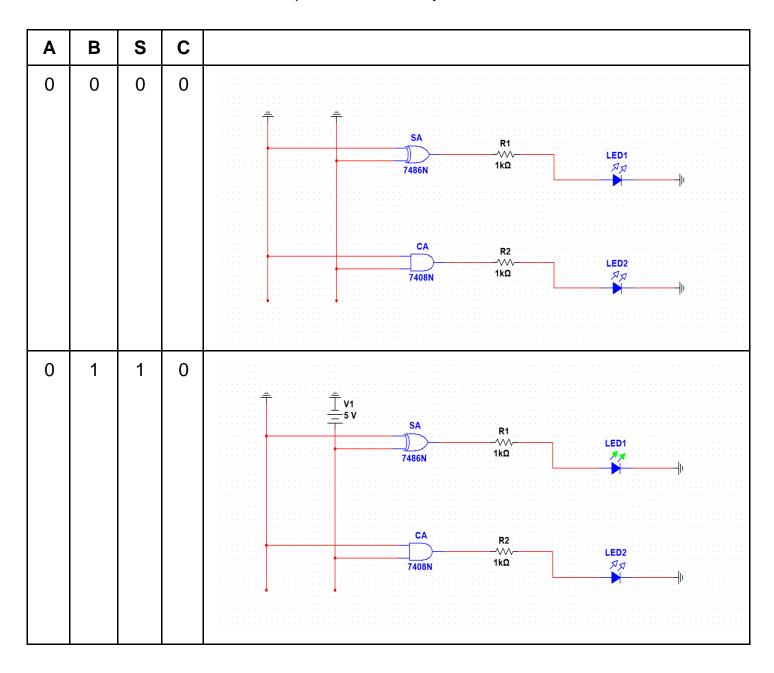
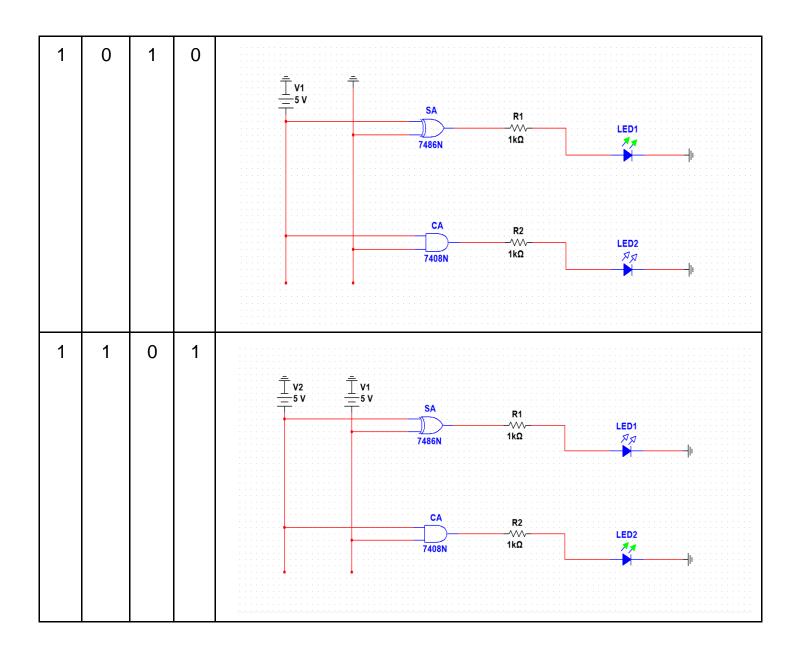
AIM - To study and verify truth table for half adder and half subtractor circuits using Multisim Software

HALF ADDER

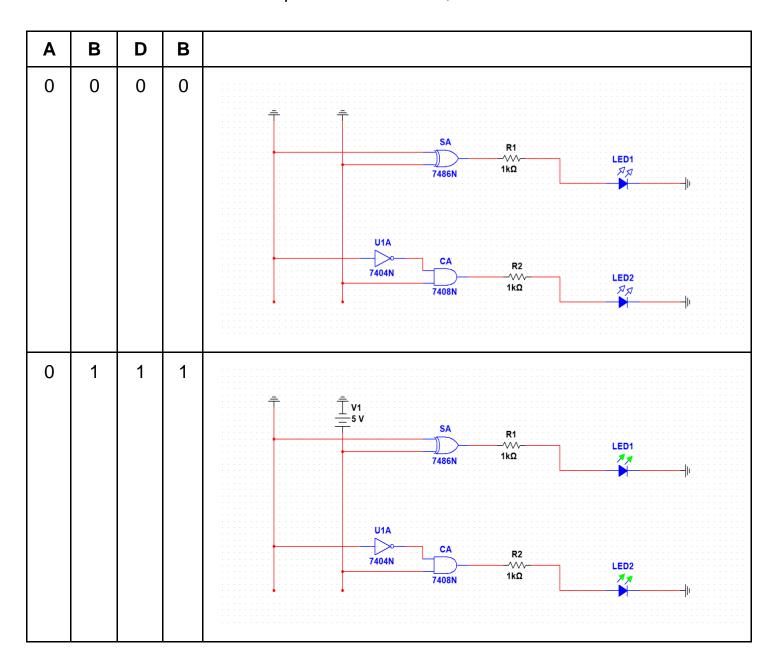
Expression for Sum, S=A⊕B Expression for Carry, C=A.B

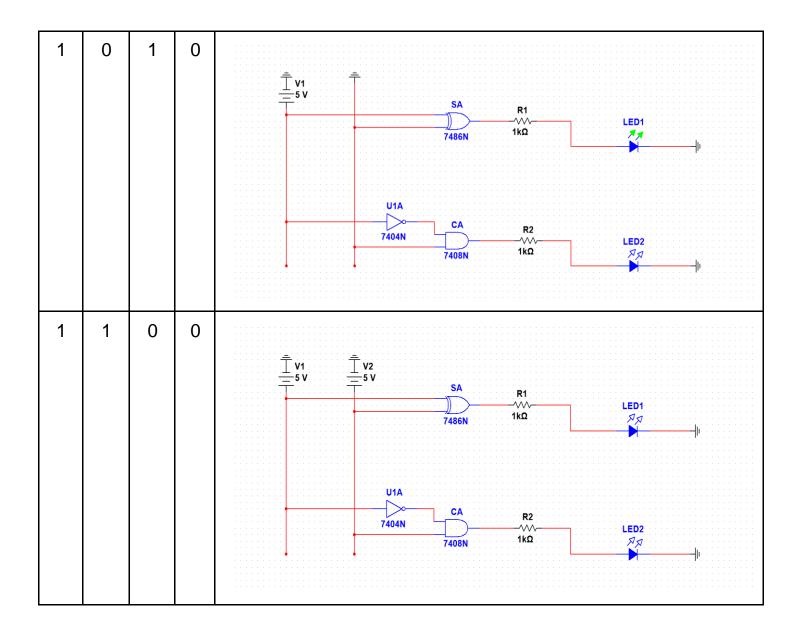




HALF SUBTRACTOR

Expression for Difference, D=A⊕B Expression for Borrow, B=A.B





Conclusion- We have successfully verified the truth table for half adder and half subtractor.