

Lab 1 Report

Anupam Rawat

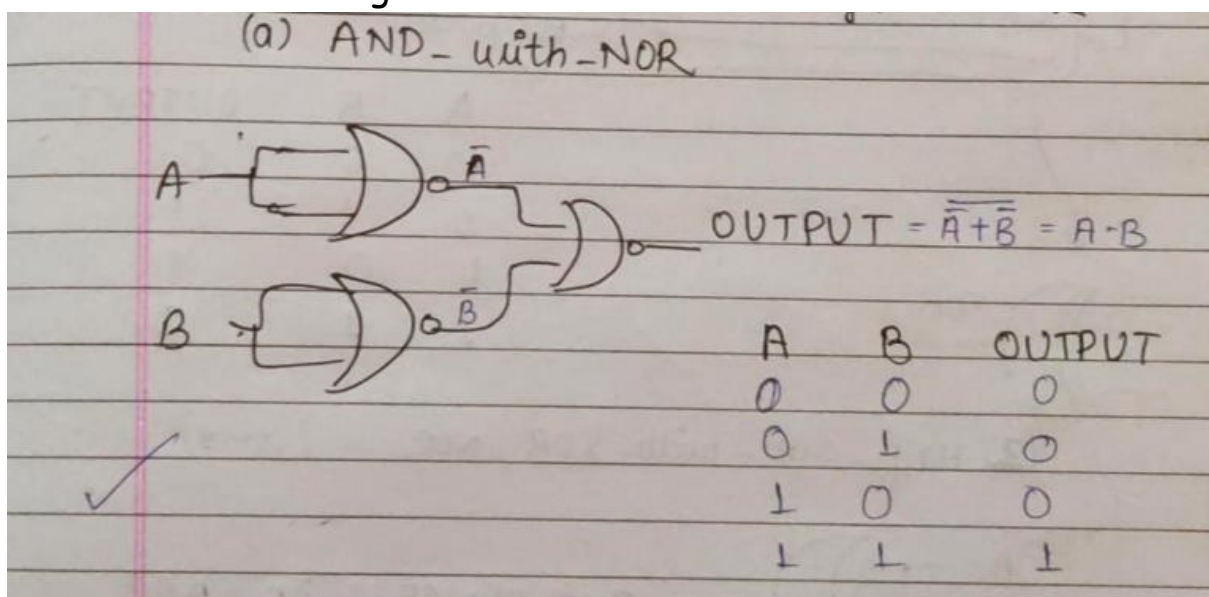
22B3982

WEL - 2 || FR - 2 / T - 2

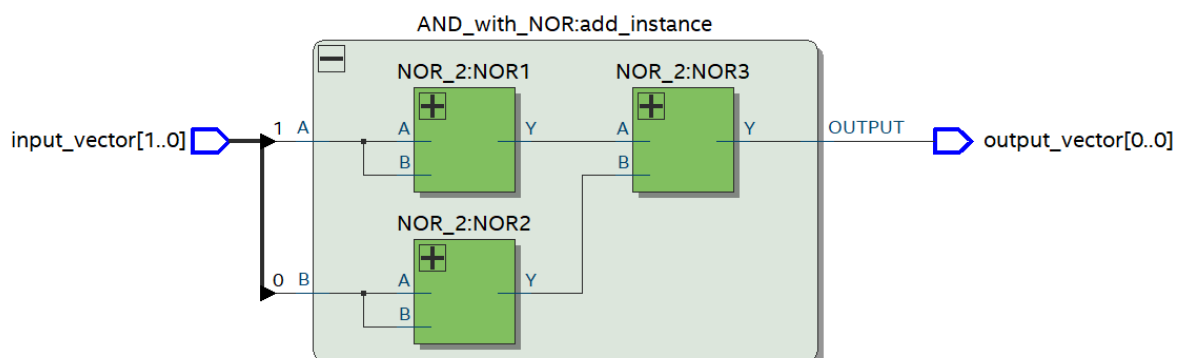
1).

a). AND GATE using NOR :

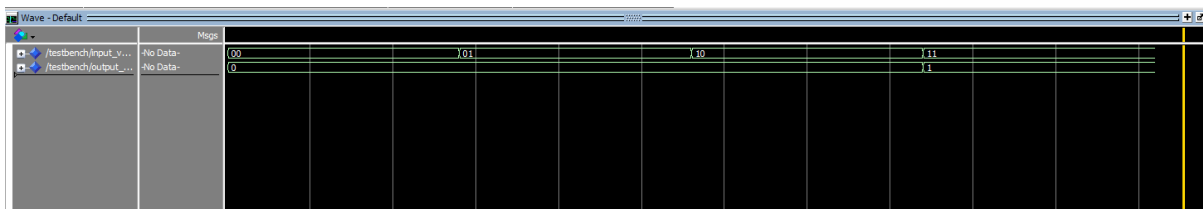
Lab File Drawing ->



RTL View ->

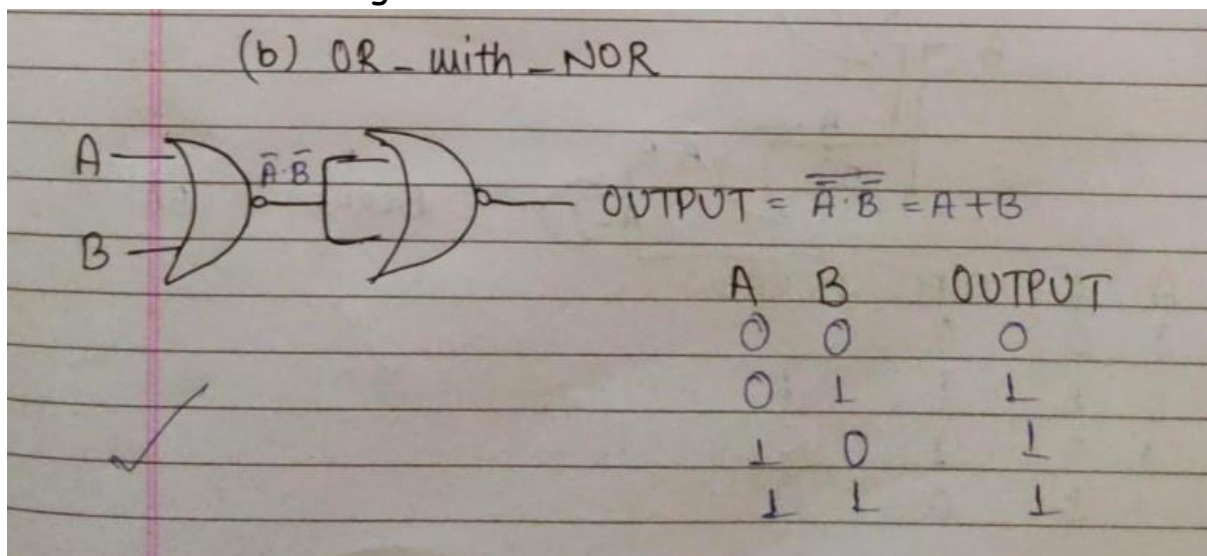


RTL Simulation ->

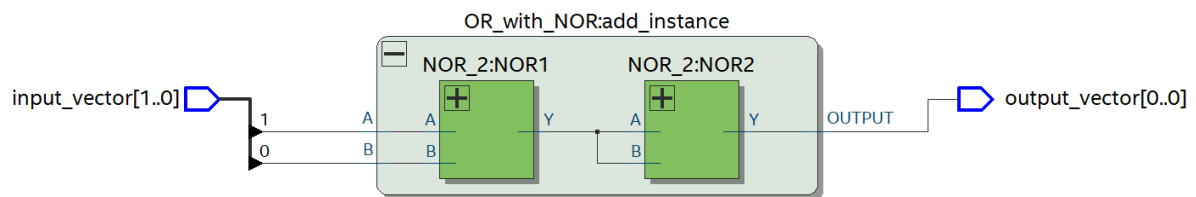


b). OR GATE using NOR :

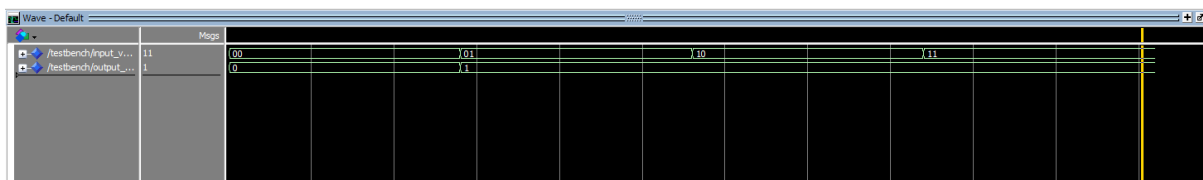
Lab File Drawing ->



RTL View ->

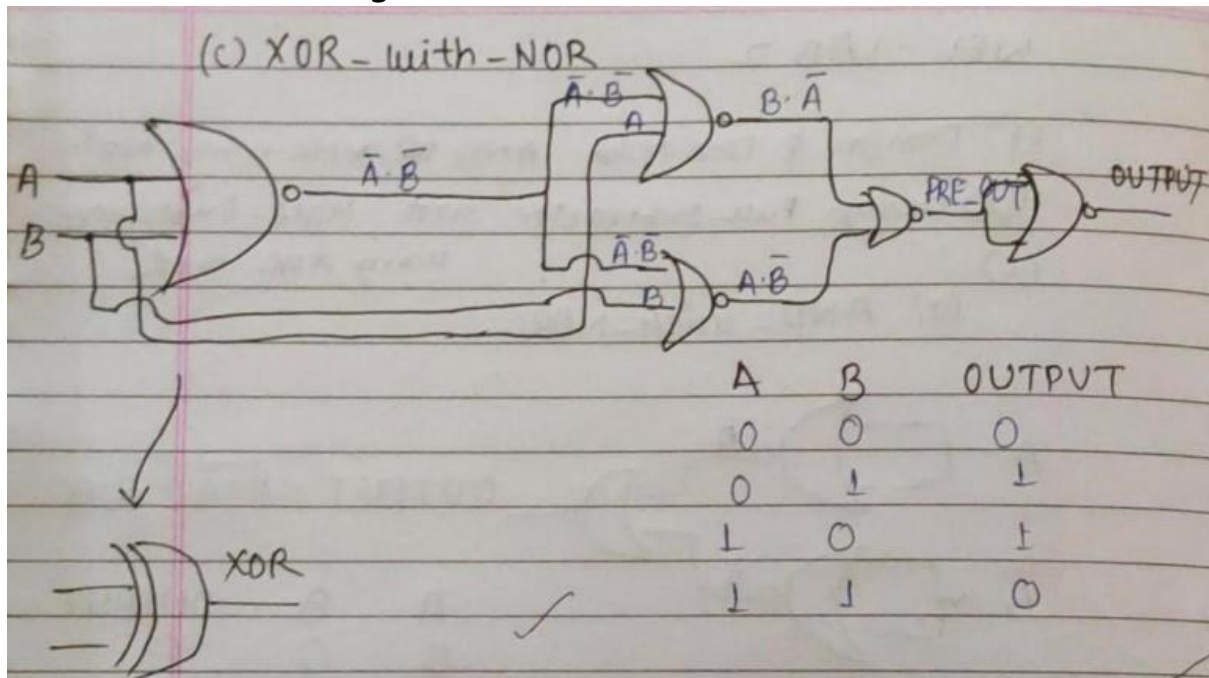


RTL Simulation ->

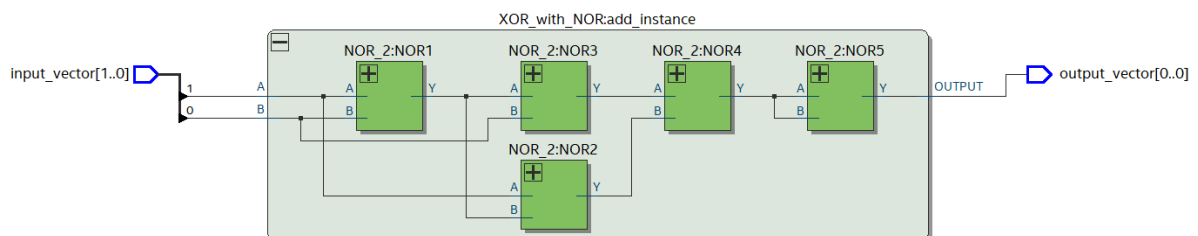


c). XOR GATE using NOR :

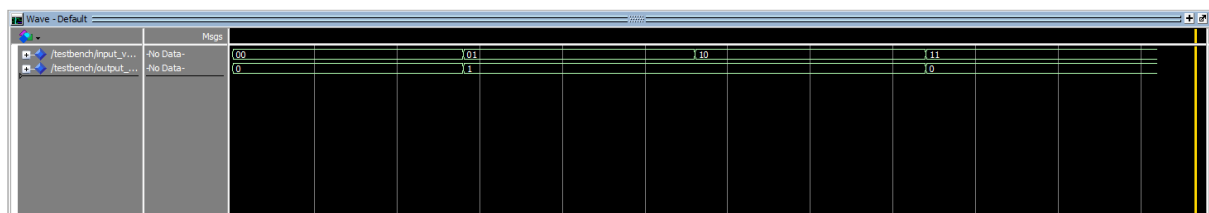
Lab File Drawing ->



RTL View ->



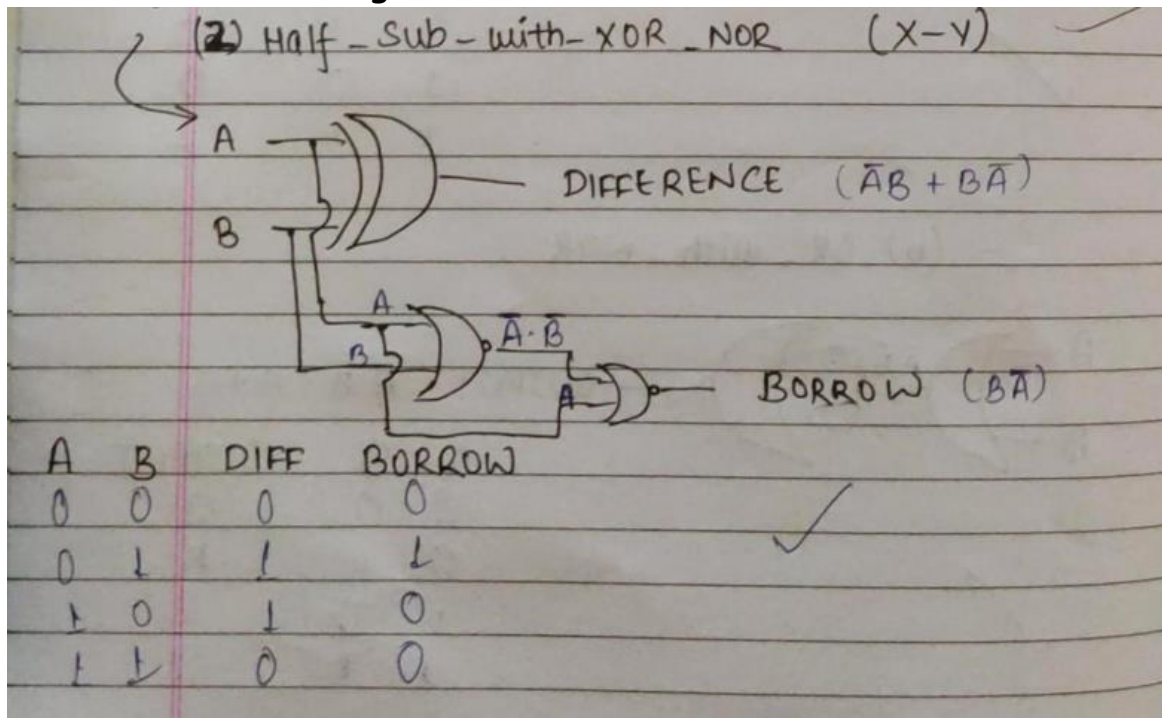
RTL Simulation ->



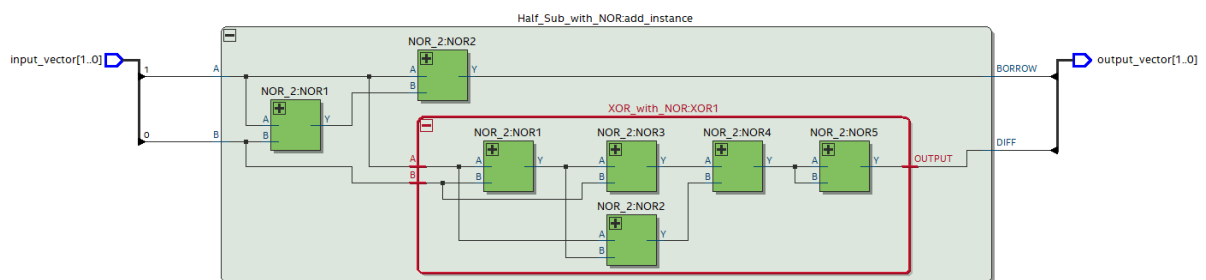
2).

Half Subtractor using XOR and NOR :

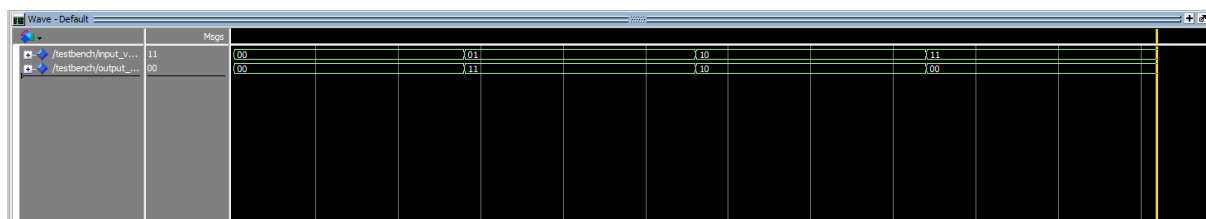
Lab File Drawing ->



RTL View ->

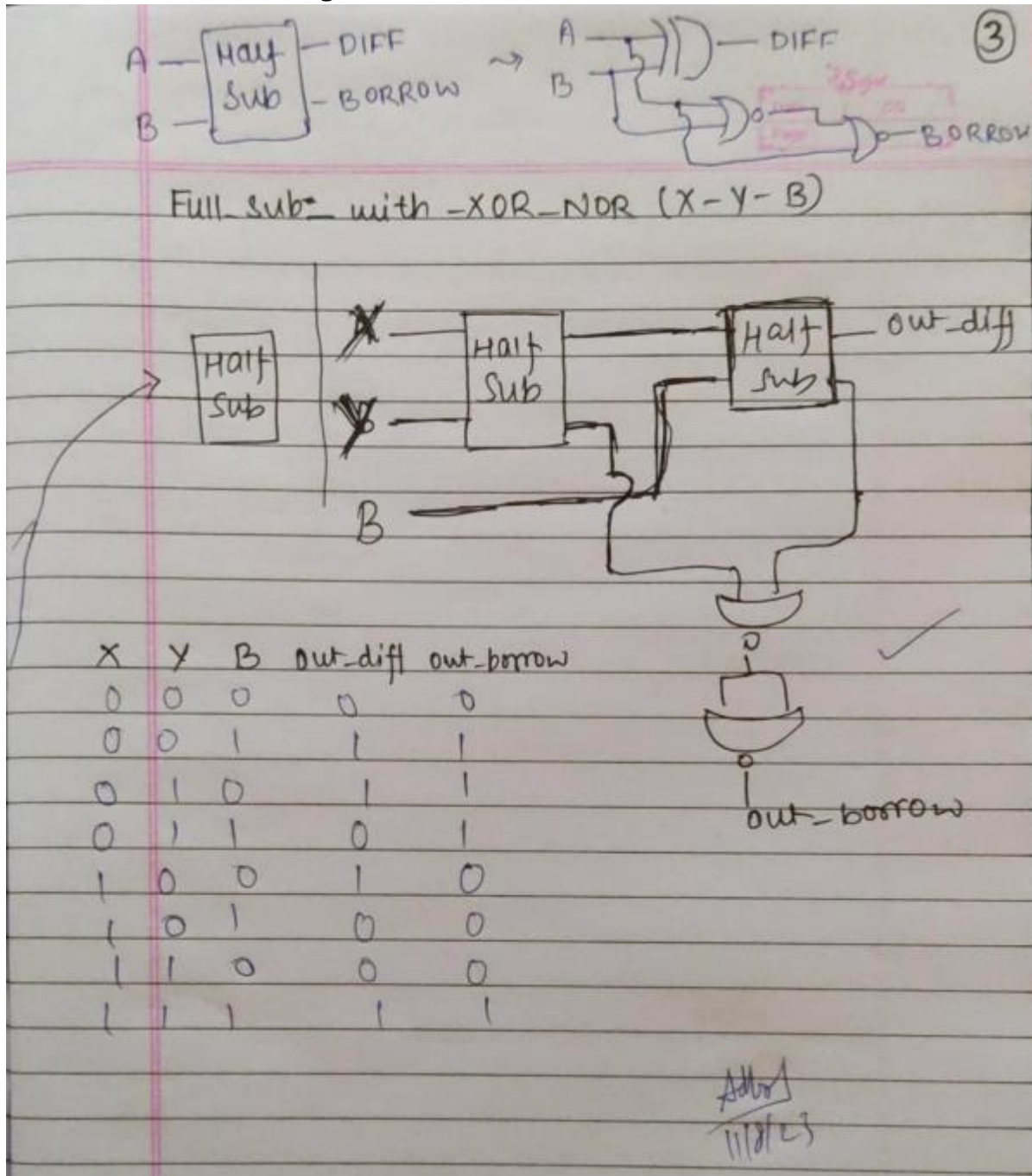


RTL Simulation ->

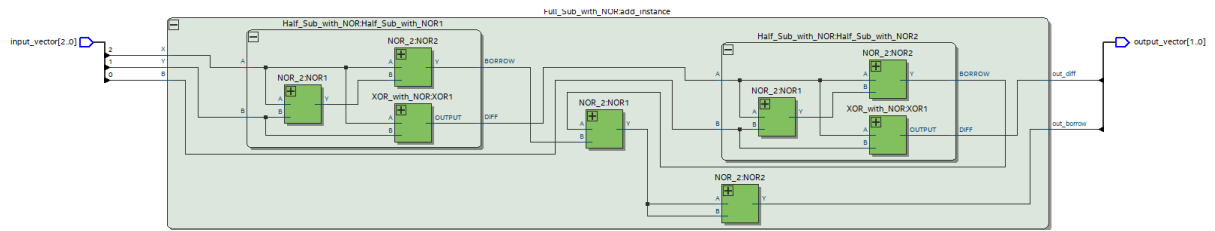


FULL Subtractor using Half Subtractor, XOR and NOR

Lab File Drawing ->



RTL View ->



RTL Simulation ->

