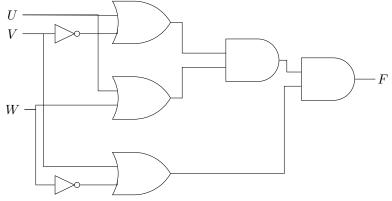
Assignment 1 — FPGA Lab

${\rm EE22MTECH02005}$

January 2022

1 Question 1

Write the Boolean Expression for the result of the logic circuit as shown below:



Solution

$$F = (U + \bar{V}).(U + W).(V + \bar{W}) = (U(V + \bar{W}))$$

2 Question 2

Implement the above using NAND logic.

solution

$$F=U(V+\bar{W})$$

