

Assignment 6

Giridhar Paida

January 2021

1 Question

For any two statements p and q the negation of expression $p \vee (p \wedge q)$ is:

1. $\sim p \wedge \sim q$
2. $p \wedge q$
3. $p \leftrightarrow q$
4. $\sim p \vee \sim q$

The correct answer is (1).

2 Boolean Expression

$$F = \bar{p} \bar{q} \quad (1)$$

3 Circuit Diagram

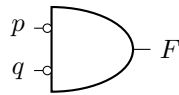


Figure 1: Logic gates