

Question 1: Which logic gate does the following truth table represent?

Truth Table:

| A | B | Q |
|---|---|---|
| 0 | 0 | 1 |
| 0 | 1 | 0 |
| 1 | 0 | 0 |
| 1 | 1 | 0 |

- (a) AND

(b) NOR
- (c) XOR

(d) NAND

Correct Answer: NOR