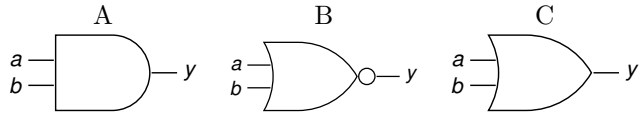


1. Problem

Consider the following gates coding logical operators:



Which of these gates belongs to the following logical truth table?

a	b	y
0	0	1
0	1	0
1	0	0
1	1	0

- (a) A
- (b) B
- (c) C
- (d) None of these

Solution

The truth table codes the logical **nor** operator.

The gates displayed code the following logical operators: A = **and**, B = **nor**, C = **or**.

Hence, the truth table corresponds to: B.

- (a) False
- (b) True
- (c) False
- (d) False