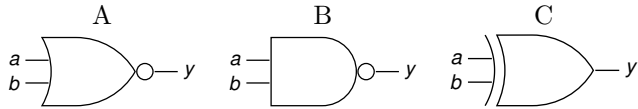


1. Problem

Consider the following gates coding logical operators:



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

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

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

Solution

The truth table codes the logical **and** operator.

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

Hence, the truth table corresponds to: None of these.

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