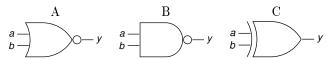
1. Problem

Consider the following gates coding logical operators:



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

а	b	У
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