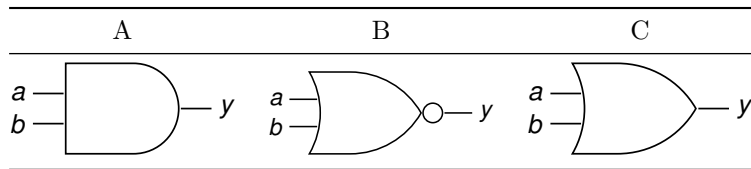1. **Problem**

   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