

Answer on Question#50354 - Physics – Electric Circuits

Consider a two-input NAND gate. Which of the following inputs to this NAND gate will give an output of Logic 0?

1. Logic 0, Logic 0
2. Logic 1, Logic 1
3. Logic 1, Logic 0
4. Logic 0, Logic 1

Solution:

By the definition the NAND operation is a logical operation on two logical values that produces a value of true (1), if — and only if — at least one of the propositions is false (0). According to this definition the correct answer is 2.

Answer: 2.