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|---|---|
| **Started on** | Tuesday, 7 September 2021, 10:05 AM |
| **State** | Finished |
| **Completed on** | Tuesday, 7 September 2021, 10:10 AM |
| **Time taken** | 4 mins 59 secs |
| **Marks** | 1.00/1.00 |
| **Grade** | **10.00** out of 10.00 (**100**%) |

**Question 1**

Correct

Mark 1.00 out of 1.00

You need to use an 8:1 Multiplexer to implement the following function f(a,b,c,d) = ∑ m(0, 3, 5, 9, 10, 11, 12, 15). Considering that the inputs to the Multiplexer are numbered from 0 to 7, which of the following represents the correct sequence of values for the inputs numbered 1, 3, 5, and 7?

Select one:

○ a', a, a, 0

○ a, a, a', a

○ 1, 1, a', a

◉ a, 1, a', a ✓

Your answer is correct.

The correct answer is: a, 1, a', a

Jump to...