

MULTIPLEXERS (MUXES)



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1. CHECK YOUR UNDERSTANDING (1/1 point)

How many select signals do we need for a 28 input multiplexer?

- ☐ -4
- ☒ 5
- ☐ 6
- ☐ 7

EXPLANATION

1 of 2

We need enough bits in the select signal to represent 28 different values. A binary number with 5 bits can represent 32 different

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values, so it is enough to cover our 28 input multiplexer. A 4-bit binary number can only represent 16 different values, which is not enough.

Final Check

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