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BINARY DIGITAL SYSTEM 5:23 / 5:23 1.0x

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1. CHECK YOUR UNDERSTANDING (1/1 point)

A digital system has been designed to recognize as a 1 any voltage between 0.7-0.8V and as a 0 any voltage between 0-0.1V. How would the system interpret a voltage of 0.2V?

As a 0.

🕟 As neither a 0 nor a 1. 🛛 💙

EXPLANATION

The voltage value of 0.2V is outside of the voltage range for both 0 (which is 0-0.1 V) and 1 (which is 0.7-0.8 V), and so is not recognized as either one.

Hide Answer

You have used 2 of 2 submissions

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How many values can be represented by a 5-bit binary number?

51632

64

EXPLANATION

With 5 bits, we have $2^5 = 32$ possible values.

Final Check

Save

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