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Questions

1. In a binary system, what is the significance of the number '1'?

- A. It creates an undefined state
- B. It signifies the value of true or on
- C. It represents a binary zero
- D. It stands for negative numbers

2. What is the role of the number '1' in defining identities in algebraic structures?

- A. Defines the zero element
- B. Serves as the additive identity
- C. Acts as an algebraic root
- D. Provides the multiplicative identity

3. In computer science, how does the number '1' function in bitwise operations?

- A. As a way to perform bit inversion
- B. As a binary marker for set bits
- C. As a toggle for bits
- D. As a filler for empty bytes

4. What is the value of 1 factorial (1!)?

- A. Equal to 2, which is $1+1!$
- B. 1, as $0!$ is defined to be 1
- C. Has no unique value, it's arbitrary
- D. It is undefined for negative numbers