

[Your Name]
[Your Address]
[City, State, Zip Code]
[Email Address]
[Date]
[Recipient Name]
[Recipient Title/Position]
[Company/Organization Name]
[Company Address]
[City, State, Zip Code]

Dear [Recipient Name],

I hope this letter finds you well. I am writing to provide a summary of the XNOR gate and its significance in digital electronics.

The XNOR (exclusive NOR) gate is a digital logic gate that outputs true or high (1) only when the number of true inputs is even. It is a universal gate and can be used to implement any logic function. The truth table for the two-input XNOR gate is as follows:

| Input A | Input B | Output (A XNOR B) |
|---------|---------|-------------------|
| 0 | 0 | 1 |
| 0 | 1 | 0 |
| 1 | 0 | 0 |
| 1 | 1 | 1 |

This gate is often used in digital circuits for error detection and correction, as well as in comparison operations. Its ability to function as a basic building block for more complex systems makes it invaluable in both theoretical and practical applications.

If you have any questions or require further details, please feel free to reach out.

Thank you for your attention to this summary.

Sincerely,

[Your Name]
[Your Position, if applicable]
[Your Company/Organization, if applicable]