
Max of two numbers

X37473_en

Design a circuit receives two 3-bit numbers at the input and produces the maximum of both numbers at the output.

Specification

```
module max3(a, b, max);  
    input [2:0] a, b;  
    output [2:0] max;
```

Input

- *a* and *b* are the two 3-bit input numbers.

Output

- *max* is the 3-bit output number.

Problem information

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Generation: 2026-02-03T12:16:42.688Z

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