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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