
Majority

X70559_en

Design a circuit that implements the 5-input majority function, that is, the output is 1 when there are more ones than zeros at the inputs.

The top module must be called *majority*.

```
module majority(a, b, c, d, e, maj);  
    input a, b, c, d, e;  
    output maj;
```

Input

- *a, b, c, d* and *e* are the inputs.

Output

- *maj* is the output implementing the majority function.

Problem information

Author : Jordi Cortadella

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