Majority of 5 inputs X72286_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.

Specification

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

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