
Bus invert

X29475_en

Design a circuit that inverts the value of an N -bit bus. N must be a parameter of the circuit with default value 8.

Specification

```
module bus_invert(in, out);  
    parameter N=8;  
    input [N-1:0] in;  
    output [N-1:0] out;
```

Input

- in is the N -bit input bus.

Output

- out is the N -bit inverted value of the bus.

Problem information

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