
Shift left

X26035_en

Design a circuit that shifts an N -bus one position to the left. N must be a parameter of the circuit with default value 8.

Specification

```
module shift_left (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 value of the bus shifted one position to the left.

Problem information

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