
Residue mod 7

X91814_en

Design a circuit that computes the residue mod 7 of a 4-bit number represented in binary code.

Specification

```
module mod7(n, residue);  
    input [3:0] n;  
    output [2:0] residue ;
```

Input

- *n* is a 4-bit number represented in binary code.

Output

- *residue* represents $n \bmod 7$ in binary code.

Problem information

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