

---

## Even number

X36253\_en

---

Design a circuit that receives a 4-bit number as input and produces an output that is asserted when the input number is even.

### Specification

```
module even4(number, even);  
    input [3:0] number;  
    output even;
```

### Input

- *number* is the 4-bit input number.

### Output

- *even* indicates when the input number is even.

### Problem information

Author : Jordi Cortadella

Generation : 2013-09-02 15:56:19

© Jutge.org, 2006–2013.

<http://www.jutge.org>