
Square of a BCD digit

X74175_en

Design a circuit that produces the square of a BCD digit. The output should be in the binary representation.

The top module must be called *square_bcd*.

```
module square_bcd(bcd, square);  
    input [3:0] bcd;  
    output [6:0] square;
```

Input

- *bcd* is the input BCD digit.

Output

- *square* is the output representing the square of the input digit in binary code.

Problem information

Author : Jordi Cortadella

Generation : 2013-07-17 16:32:04

© Jutge.org, 2006–2013.

<http://www.jutge.org>