Square of a BCD digit X77297_en

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

Specification

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: 2026-07-14T06:44:05.183Z

© *Jutge.org*, 2006–2026.
https://jutge.org