CodeVita
The TCS Global Coding Contest

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05 Hr 56 Min 51 Sec

- Guidelines
- Coding Area
- Editor | Compile & Run History
- Submissions
- Feedback Form
- Result
- Graphs

# Coding Area

A B C D E F

ONLINE EDITOR (E)

## Distinct Partition Squares

### + Problem Description

### + Constraints

k<N<200, so that at least one k-distinct partition exists.

### + Input Format

The input consists of one line containing of N and k separated by a comma.

### + Output

One number denoting the number of k-distinct partitions of N that have at least two perfect squares in the elements of the partition.

### +

### + Explanation

**Example 1**

Input

10, 3

Output

1

Explanation: The input asks for 3-distinct-partitions of 10. There are 4 of them (1+2+7, 1+3+6, 1+4+5 and 2+3+5). Of these, only 1 has at least two perfect squares in the partition (1+4+5).

**Example 2**

Input

12, 3

Output

2

Explanation

The input asks for 3-distinct partitions of 12. There are 7 of them (9+2+1, 8+3+1,7+4+1,7+3+2,6+5+1, 6+4+2, 5+4+3). Of these, two, (9+4+1, 7+4+1) have two perfect squares. Hence, the output is 2.

## Upload Solution [ Question : E ]

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