**Rupee Problem**(100 Marks)

In how many ways, can you pay N rupees with 1 rupee, 2 rupee & 5 rupee denominations, in such a way that the number of 1 rupee coins are always greater than that of 2 rupee coins and number of 2 rupee coins are always greater than that of 5 rupee coins.

Note: At least one coin should be given from each denomination.

**Input Format**

The only line of input consists of a single integer, N, the amount in rupees.

**Constraints**

1 <= N <= 100

**Output Format**

Print the number of ways in which you can pay the amount as described.

Sample TestCase 1

Input

10

Output

0

Explanation

There is no way we can achieve this following the given conditions.

Sample TestCase 2

Input

15

Output

2

Explanation

Possible ways in which you can pay 15 rupees are (1 5rs, 2 2rs, 6 1rs) and (1 5rs, 3 2rps, 4 1rps).