Bob in a Candy Shop

HackerRank

Problem Statement

Bob is in a candy shop and wants to purchase his favorite candy, which he knows costs N dollars. He has an infinite number of $1, 2, 5, 10, 20, 50,$ and 100 dollar bills in his pocket. Bob wants to know the number of different ways he can pay the N dollars for his candy.

Input Format

A single integer, N, which is the cost of Bob's candy.

Constraint
$1 \leq N \leq 250$

Output Format

Print an integer representing the number of different variations of how Bob can pay.

Sample Input1

```
5
```

Sample Output1

```
4
```

Sample Input2

```
7
```

Sample Output2

```
6
```

Explanation

Sample 1: 4 variants

```
(1,1,1,1,1)
(2,1,1,1)
(2,2,1)
(5)
```

Sample 2: 6 variants

```
(1,1,1,1,1,1,1)
(2,1,1,1,1,1)
(2,2,1,1,1)
(2,2,2,1)
(5,1,1)
(5,2)
```