# Special Number <br> Problem ID: specialnumber <br> Time limit: 1 second 

A number is special if the sum of its digits is a prime number. Given an integer $N$, count the number of positive integer pairs $(x, y)$ where both $x$ and $y$ are special and $x+2 y=N$.

## Input

The first line of input contains the one integer $N\left(1 \leq N \leq 10^{15}\right)$.

## Output

Output a single number, the number of satisfied pairs.

| Sample Input 1 | Sample Output 1 |
| :--- | :--- |
| 100 | 7 |

