Q9. Write a program to Count number of ways to divide a number in 4 parts.

Input:

line of Input Contains a positive integer n,

Output Format:

Print the count number of ways for divison can take place.

Examples :

Input:

5

Output: 1

Input:

6

Output: 2

Input:

8

Output: 5

// Online C compiler to run C program online

#include <stdio.h>

int main() {

int i,j,k,l,counter=0,n;

scanf("%d",&n);

// Write C code here

for (int i = 1; i < n; i++)

for (int j = i; j < n; j++)

for (int k = j; k < n; k++)

for (int l = k; l < n; l++)

if (i + j + k + l == n)

counter++;

printf("%d",counter);

return 0;

}