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| **Triangles**  **Solved**  Problem code: AD2 | * [SUBMIT](https://www.codechef.com/submit/AD2) * [MY SUBMISSIONS](https://www.codechef.com/status/AD2,nacho0monllor) * [ALL SUBMISSIONS](https://www.codechef.com/status/AD2) |

**All submissions for this problem are available.**

A triangle is one of the basic shapes of geometry and in terms of definition

"it is a polygon with three corners or vertices and three sides or edges which are line segments"

Now, one day cody bought a wire and decided to make triangles with it such that each triangle has all integral sides,with at least one integral angle. Cody as usual want to skip calculations and need your help to make it possible.

Given the value of n(1<=n<=10^8), calculate all the possible triangles with the above condition such that the perimeter does not exceed n.

**Input**

The first line contains t, the number of test cases (1<=t<=10000). Followed by t lines it contains various values of n.

**Output**

For every test case, print the number of triangles possible

**Example**

**Input:**

3

12

102

256

**Output:**

4

34

85

**Warning**

The time limit is strict......

<https://www.codechef.com/problems/AD2>

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

namespace ConsoleApplication1

{

class Program

{

static void Main(string[] args)

{

int t = int.Parse(Console.ReadLine());

while (t-- > 0)

{

int n = int.Parse(Console.ReadLine());

//como tiene que tener los 3 lados iguales,

//(me pide triangulo equilatero) multiplico por 3 a i

int ans = 0;

for (int i = 1; i \* 3 <= n; i++)

{

ans++;

}

Console.WriteLine(ans);

}

Console.ReadLine();

}

}

}