Problem D: **Prime Numbers…Again!**

We can write some of the numbers as the sum of some distinct consecutive prime numbers. For instance, number can be represented as

You are given a postive integer number and you should find the number of different ways that number can be represented as the sum of some distinct consecutive prime numbers.

## **Input**

**The number of test cases comes in the first line. For each test case you are given a positive integer ).**

## **Output**

For each test case, print the number of the different ways that can be represented as a sum of some consecutive prime numbers.

|  |  |
| --- | --- |
| **Sample Input** | **Sample Output** |
| **2**  **3**  **17** | **1**  **2** |