# Problem J. Project Euler #10: Summation of primes

**OS**   Linux

This problem is a programming version of [Problem 10](#) from [projecteuler.net](#)

The sum of the primes below $10$ is $2 + 3 + 5 + 7 = 17$.

Find the sum of all the primes not greater than given $N$.

**Input Format**

The first line contains an integer $T$ i.e. number of the test cases.
The next $T$ lines will contains an integer $N$.

**Constraints**

- $1 \leqslant T \leqslant 10^4$
- $1 \leqslant N \leqslant 10^6$

**Output Format**

Print the value corresponding to each test case in separate line.

| Input | Output |
|-------|--------|
| 2<br>5<br>10 | 10<br>17 |

**Explanation 0**

- For $N = 5$, we have primes as $\{2, 3, 5\}$ and the sum is $10$.
- For $N = 10$, we have primes as $\{2, 3, 5, 7\}$ and the sum is $17$.