

## UESTC 2016 Summer Training #13 Div.2

2:00:57

5:00:00

Overview Problem Status Rank (42) Discuss

A B C D E F G H I

I - I

Time Limit:2000MS Memory Limit:262144KB 64bit IO Format:%I64d &amp; %I64u

Submit

Status

## Description

standard input/output

Write a program to compute the following sum  $S$  given a positive integer  $n$ : $S = \lfloor n/1 \rfloor + \lfloor n/2 \rfloor + \dots + \lfloor n/n \rfloor$  where  $\lfloor x \rfloor$  is the largest integer not greater than  $x$ .

## Input

The input file consists of several datasets. The first line of the input file contains the number of datasets which is a positive integer and is not greater than 30. The following lines describe the datasets.

Each dataset contains a positive integer  $n$  ( $n \leq 10^{12}$ ) written on a separate line.

## Output

For each dataset, write in one line the remainder of the computed sum  $S$  divided by  $10^6$ .

## Sample Input

Input
2
1
5
Output
1
10

FAQ | About Virtual Judge | [Forum](#) | [Discuss](#) | [Open Source Project](#)All Copyright Reserved ©2010-2014 [HUST ACM/ICPC TEAM](#)Anything about the OJ, please ask in the [forum](#), or contact author:[Isun](#)

Server Time: 2016-07-25 14:00:56