05 Hr 56 Min 06 Sec
Hover mouse for exact Contest end time

Guidelines
Coding Area
Public Testcase Submissions
Private Testcase Submissions
Unevaluated Submissions
Feedback Form
Dashboard

Graphs

# Coding Area

A B C D E F G H

ONLINE EDITOR (A)

## Skip Station

### − Problem Description

Codu wants to travel from City A to City B. There are N stations between A and B. There are 3 kinds of trains that run from every station.

Train 1- Stops at every station

Train 2- Stops at every alternate station

Train 3- Stops at every third station

Codu can use any combination of the trains to reach from City A to City B. However, he cannot travel in the reverse direction during the course of his travel. He is allowed to change as many trains as needed to reach the destination.

You need to find how many ways Codu can reach City B from City A.

### + Constraints

### − Input

First line contains an integer T denoting the number of test cases.

Next T lines contains an integer N denoting the number of stations between A and B for each test case.

### − Output

For each test case print, no of combinations in a new line

### − Time Limit

1

### − Examples

Example

Input

2

0

1

Output

1

2

Explanation

For 0: No station between A and B. So only possible way to travel is by train1.

For 1: There is 1 station between A and B. So, Codu has two ways to travel. First way is to travel by train1 which halts at every station. Second way is to travel by train2 which starts from A and directly stops at B.

### Upload Solution [ Question : A ]

☐ I, **abhishek kumar** confirm that the answer submitted is my own.

☐ Took help from online sources (attributions)

Choose a File ...