**PROBLEMS**

1. **Snake and Ladder**
2. **Fire the Employee**
3. **BODMAS Game**

**Snake and Ladder:**

Sunny and Tarun must build a snake and Ladder application for the technical event of their college. Being in hectic work pressure they picked some good coders from their juniors and asked them to do so.

**Rules of snakes and ladders:**

* Each player puts their counter on the space that says 'start here'.
* Take it in turns to roll the dice. Move your counter forward the number of spaces shown on the dice.
* If your counter lands at the bottom of a ladder, you can move up to the top of the ladder.
* If your counter lands on the head of a snake, you must slide down to the bottom of the snake.

**Input Format:**

first line contains no of snakes on the board(s)

second line contains no of ladders on the board(l)

next line contains the s no of digits of the heads of the snake is on the board separated by comma

next line contains the l no of digit of the ladder start on the board separated by comma.

next line contains the s no of digits of the tail of the snake is on the board separated by comma

next line contains the l no of digit of the ladder end on the board separated by comma.

Next line contains no of players playing the game(p)

Next p\*2 lines has no of moves in a separate line and the value of that moves separated by comma.

**Output Format:** The digit where the p players are their after all the moves in p separate lines.

**Sample Test Cases:**

**Input 1:**

6

5

12,23,29,54,76,98

6,32,34,55,75

3,9,13,22,2,21

31,36,51,79,97

2

6

5,6,6,6,5,1

8

6,4,1,3,1,6,6,6

**Output:**

9

22

**Input 2:**

6

5

12,23,29,54,76,98

6,32,34,55,75

3,9,13,22,2,21

31,36,51,79,97

2

6

1,3,5,5,4,5

8

2,5,5,1,1,3,6,6

**Output:**

24

30

**Fire the Employee**

Sunny and Tarun started a company in 2016. Its been 3 years and they wanted to increase the network of the company and they have good amount of profit in these 3 years. So, they wanted to hire new employees. But the old employees demanded for the increase of their salary. So, it was a headache for them to take a decision. But they cleverly came up with an idea where they also noted the expected salaries of the new employees and came up with no of employees they can hire. The employees whose salary cannot be incremented are fired from their jobs. Find the total no of employees they can do the justice with the amount they have.

**Input format:**

First line contains three space separated integers (No of old employees(O), No of new employees applied for the job(N), The profit they have(P)(20 represents 20,000)) respectively.

Next O lines contains space separated values of present salary and expected salary.(all the integers represents thousands)

Next line contains N comma separated expected salaries of new employees. .(all the integers represents thousands)

**Output format:**

No of employees they can keep in the company.

**Sample Testcase:**

**Input 1:**

3 4 20

10 12

3 11

15 20

3,5,7,4

**Output:**

5

**BODMAS GAME:**

Kids of Sunny joined in a government school which are the best in INDIA. He wants all his fellow colleagues to join their kids in the government schools. But they don’t accept with him and in return tells him that kids in private school are smarter than those in government school. On hearing this he wants to challenge one of his colleagues’ kids with his’. So, his colleague tarun and sunny were ready with their kids and challenge is prepared by Raji a top entrepreneur.

**The Question is:**

It is the famous primary school method which will be used to solve this problem.

A number is given and by using that method it should be changed to a number rounded to 6.

**Note:** Go to your schooling math and find the precedence.

**Input Format:** an integer n

**Constraints:** n<216

**Output Format:** decimal number rounded to 6

**Sample Test Cases:**

**Input 1:**

5

**Output:**

6.333333

**Input 2:**

1

**Output:**

1

**Input 3:**

6

**Output:**

0.333333

**Input 4:**

7

**Output:**

0.333333

**Input 5:**

8

**Output:**

0.000457

**Input 6:**

10

**Output:**

0.000514

Hello,

We welcome you to the event of the semester “CODE3000”. It is our **seventh** challenge in this contest. It is the coding event launched by Pragati to know the best of the best coders of pragati. It is a 4-hour challenge which will be held today(**i.e., 14th December 2020**) between 8 PM to 12 AM.

It is best to login to the link below, 20 min before. Make sure you have active internet connection before starting the test.

It is the last challenge of the first stage of the CODE3000. So grab the opportunity to be the part of the second stage of CODE3000 by getting the good score in this challenge.

The hackerrank link is: [www.hackerrank.com/code3000](https://www.hackerrank.com/code3000)

Post this link in your class WhatsApp group if already posted neglect it.

Think Hard, Code Smart.

Thank You.