**PROBLEMS**

1. **()\*\*/\*+-**
2. **Hand Cricket**
3. **Front end or back end**

**()\*\*/\*+- :**

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

**Hand Cricket**

Tarun and sunny are playing hand cricket and they enjoy playing it. They play with range 1 to 10 as the runs. The no of players that can play are 5. So, they want it to take it to another level and planned to make a machine which shows the score on a screen while playing. By using machine learning tarun has done the work of getting the number of fingers of the players. The work still left is calculating the score of batsmen. It has to be done by sunny. So, help him in do so and find the score. No wicket limit.

**Rules:**

* If 2 players are playing if both the batsman and bowler gets the same number, it is out.
* If 3 players are playing one batsman and 2 bowlers will play and if the number shown by batsmen is like the remaining 2 or sum of the numbers of bowlers or modulo difference of the 2 bowlers, it is out.
* If 4 players are playing 1 batsman and 3 bowlers will play and if the number shown by batsman falls under the numbers by individual bowlers or any set of the sum or difference of the 3 bowlers, it is out.
* The same follows for 5 players as well.
* If it is not out the number shown by batsman will be added.

**Input format:**

First line contains no of players **n**.

Second line contains number shown by batsmen separated by comma **x.**

Third line contains x\*n-1 length comma separated integers where consecutive n-1set of digits are numbers shown by individual bowlers.

**Output format:**

Total score.

**Sample Testcase:**

**Input 1:**

1

6,10,8,8

3,8,8,6

**Output:**

24

**Input 2:**

4

9,8,8,7

1,1,2,3,1,2,3,5,1,1,1,2,2,8,9,1

**Output:**

17

**Front end or back end**

Tarun and Sunny are running a startup and they wanted to make connections with clients globally. They are ready to go on a global tour and present their company’s vision, mission and their stats in the recent years in monetary terms. They now must decide on the presentation order of their company statistics. Then an employee came up and said, we need to show our company’s growth therefore, we must show them in an increasing order. But the problem is they shouldn’t lose the order of the year wise stats, but ready to make rotations from front or from the end. So, given their stats in recent years, find whether they can be presented in an increasing order by just making rotations from the front or from the end.

**Input Format:**

‘N’ number of years

This line consists of ‘N’ comma separated integers of their stats in those years

**Output Format:**

A string YES if possible or else NO

**Sample Testcase:**

**Input 1:**

3

3

R P P

R S S

P P R

**Output:**

3 2 1

**Input 2:**

5

2

R P S S R

P P R S P

**Output:**

3 3 2 4 3

Hello,

We welcome you to the event of the semester “CODE3000”. It is our **fifth** 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 between 8 pm to 12pm.

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

The participation and submission are must and should as it will be an important phase for your future placement opportunities. So plzzz do attempt and submit the codes.

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.

**The solutions of all these 4 challenges will be released soon via youtube**

**Please stay tuned….**

Thank You.