FAQs (Exclusively for Code-Chef)

Q: How do we know which question are meant for beginners?

A: Sort the questions in order of successful submissions,

   Problem with higher successful submissions are easier.

Name	Code	Successful Submissions	Accuracy
Chef and Chocolate	CHCHCL	5135	30.61
Chef and Round Run	CHEFRRUN	1827	9.18
Chef and Circle Run	CHEFCRUN	992	7
Chef and His Garden	CHAHG	448	5.93
Fighting Ebola	EBOLA	280	76.5
Funny gnomes	SHAIKHGN	227	5.33
Maximum Grid	MAXGRID	145	7.18

Q: I do not have much knowledge of header files, what should I do?

A: #include<bits/stdc++.h>

         using namespace std;

   Use above piece of code, it will include all the header files by its own.

Q: Which IDE should be used for solving question?

A: Codeblocks, DEV C++ are my personal suggestion for beginners, as they are user friendly.

Q: Which language should I used for submission solution?

A: C++ (gcc 4.9.2), it contain all the features of C as well as C++. All C codes are compatible in C++ (gcc 4.9.2).

Q: How to submit the code?

A: Follow the steps given below

Open problem statement page and click on submit button

Chef and Segments
Problem code: CHSGMNTS

ALL SUBMISSIONS   MY SUBMISSIONS   **SUBMIT**

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SUCCESSFUL SUBMISSIONS ⊞

All submissions for this problem are available.

Read problems statements in **Mandarin Chinese**, **Russian** and **Vietnamese** as well.

Chef has an array **A** consisting of **N** elements. He wants to find number of pairs of non-intersecting segments [a, b] and [c, d] $(1 \le a \le b < c \le d \le N)$ such there is no number that occurs in the subarray $\{A_a, A_{a+1}, ... , A_b\}$ and $\{A_c, A_{c+1}, ... , A_d\}$ simultaneously.
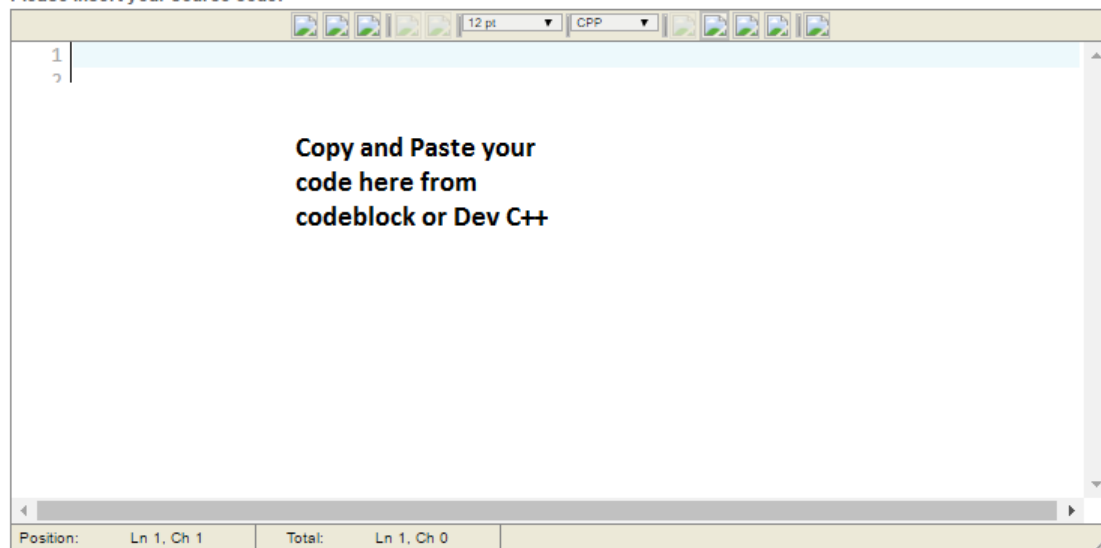
Help Chef to find this number.

Input

- The first line of the input contains an integer **T** denoting the number of test cases. The description of **T** test cases follows.
- The first line of each test case contains a single integer N denoting the number of elements in the

It will redirects you to the submission page which looks like

SUBMIT A SOLUTION: CHSGMNTS

Please insert your source code:

12 pt ▼	CPP ▼

1
2 |

Copy and Paste your code here from codeblock or Dev C++

Position: Ln 1, Ch 1   Total: Ln 1, Ch 0

☑
Toggle editor

or

OR Upload your source file here:

Choose File | No file chosen   **you can browse and select .cpp file from your computer**

Language: *
C++(gcc-4.9.2) ▼

Submit

Q: What is meant by 0<n<=10^5   or   0<n<=10^9?
A: It means that your input variable n can takes any value between zero (excluded) to n (include)

When Max bound = 10^5 (use int n;)
       Max bound = 10^9 (use long int n;)
       Max bound > 10^9 (use long long int n;)
For decimal number use double n;
For strings use char n[size]; //size will depend upon your problem statement

Q: How to know whether a problem is successfully solved or not?
A: There are various constraints and subtask assigned for every problem
   Passing each subtask give you some points
   Example:

Constraints

- $1 \leq T \leq 5$
- $1 \leq N \leq 1000$
- $1 \leq A_i \leq 10^9$

Subtasks

Subtask 1 (7 points)

- $1 \leq N \leq 20$

Subtask 2 (34 points)

- $1 \leq N \leq 300$

Subtask 3 (59 points)

- Original constraints

When you click submit on submission pag, a report for your submission is generated –

Sub-Task	Task #	Score	Result (time)
1	2	NA	AC (0.000000)
1	3	NA	AC (0.000000)
		Final Score - 7.000000	Result - AC
2	4	NA	AC (0.000000)
2	5	NA	AC (0.000000)
2	6	NA	AC (0.030000)
		Final Score - 34.000000	Result - AC
3	7	NA	AC (0.000000)
3	8	NA	AC (0.000000)
3	9	NA	AC (0.030000)
3	10	NA	TLE (1.010000)
3	11	NA	TLE (1.010000)
		Final Score - 0.000000	Result - TLE

This means that your code has passed only two subtasks and you
get partial points for that (7 points (subtask 1) + 34 points (subtask 2) =41 points

Q: What is TLE and how to solve it?
A: Time Limit Exceeds
   It means that your code takes more time than expected

   You can solve it by optimizing the code
Example - if you are solving a searching element problem by linear search, then try binary search as it will take less time to search for element.

Q: What is RTE and how to solve it?
A: Run Time Error. These errors are not shown during compile time.
   RTE is generated due to following reasons:
- Trying to access invalid memory location (e.g. negative array indices, dereferencing null pointers).
- Dividing by zero or any such floating point error.
- Making very large arrays at run-time.

Q: What is the maximum size of array we can take?
A: You can take at max $O(10^6)$ size for integer array
   And $O(10^5)$ for long long int (Generally).
** Your PC compiler does not support this much array size, you can test your code for small size on your pc ide/compiler and later change the array size at the time of submission.

Q: This is my first competition and I only able to score 30 points or 50 points, is it good or bad?
A: It is a very good score. When I start competitive coding, I only able to score 30 points, but within 3 months of practice you can easily reached to a score of 300.

Editor Note: * Try to discuss question in group, it will develop interest.
                *** Do not cheat**, it will leads to negative rating.
                * Do not try too hard on a problem, ask your friends or seniors, otherwise you will lose interest
                * Avoid posting your code on any online forum or avoid using online public ide, other will copy your code and you will become a victim of plagiarism.

                HAPPY CODING!!!