Problems in your to-do list

Difficulty Rating: 580 Expand

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Problem

CodeChef recently revamped its practice page to make it easier for users to identify the next problems they should solve by introducing some new features:

- *Recent Contest Problems - contains only problems from the last 2 contests*
- *Separate Un-Attempted, Attempted, and All tabs*
- *Problem Difficulty Rating - the Recommended dropdown menu has various difficulty ranges so that you can attempt the problems most suited to your experience*
- *Popular Topics and Tags*

Like most users, Chef didn't know that he could add problems to a personal to-do list by clicking on the magic '+' symbol on the top-right of each problem page. But once he found out about it, he went crazy and added loads of problems to his to-do list without looking at their difficulty rating.

Chef is a beginner and should ideally try and solve only problems with difficulty rating strictly less than 1000. Given a list of difficulty ratings for problems in the Chef's to-do list, please help him identify how many of those problems Chef should **remove** from his to-do list, so that he is only left with problems of difficulty rating less than 1000.

Input Format

- The first line of input will contain a single integer T, the number of test cases. Then the testcases follow.
- Each testcase consists of 2 lines of input.
- The first line of input of each test case contains a single integer, N, which is the total number of problems that the Chef has added to his to-do list.
- The second line of input of each test case contains N space-separated integers $D_1, D_2, \ldots, D_N$, which are the difficulty ratings for each

Problems in your to-do list

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Sample 1:

Input	Output
5 3 800 1200 900 4 999 1000 1001 1002 5 1 2 2 2 5000 5 1000 1000 1000 1000 1000 3 900 700 800	1 3 1 5 0

Explanation:

Test case 1: Among the three difficulty ratings, Chef only needs to remove the problem with difficulty rating 1200, since it is ≥ 1000. So, the answer is 1.

Test case 2: Among the four difficulty ratings, Chef needs to remove the problems with difficulty ratings of 1000, 1001, and 1002, since they are ≥ 1000. So, the answer is 3.

Test case 3: Among the five difficulty ratings, Chef needs to remove the problem with a difficulty rating of 5000, since it is ≥ 1000. So, the answer is 1.

Test case 4: Chef needs to remove all the five problems, since they are all rated ≥ 1000. So, the answer is 5.

Test case 5: Chef does not need to remove any problem, since they are all rated < 1000. So, the answer is 0.