Machine generated alternative text:
Dancing Pair 
Delhi Public School is hosting a chess competition in celebration of its 30th anniversary. N bogs and M girls registered for it. The school management has to 
make pairs(since chess is a 2 people game). 
A pair must have one bog and one girl. However, the partners' chess skills in each pair must differ bu at most one. 
For each bog, we know his chess skills. Similarly, for each girl, we know her chess skills. 
You being in the management committee has to determine the largest possible number of pairs that can be formed from N bogs and M girls. 
Input: 
The first line contains T- denoting the number of test cases. 
For each Test Case in T, 
The first line contains a single integer N, denoting the number of bogs. 
The second line contains N space-separated integers denoting skills of N boys. 
The third line contains a single integer M, denoting the number of girls. 
The fourth line contains M space-separated integers denoting skills of M girls. 
Output: 
Output in the new line the maximum number of pairs that can be formed wherein each pair the skill of the bog and the girl differ bu at most 1. 
Constraints: Machine generated alternative text:
Sample Input: 
2 
3 
123 
3 
234 
4 
2345 
3 
678 
Sample output: 
3 
1 
Explanation: 
In the first test case, the 1st bou can be paired with 1st girl(difference in skills=1),2nd bog with 2nd girl(difference in skills—I), and 3rd bog with 3rd girl(difference in 
skills-I). 
We can see every pair has at most 1 difference in the skills of their partners. 
In the second test case, only the 3rd bou and 1st girl can be paired(difference in skills—I), for every other pair the difference will be greater than 1. 
Environment 
Read from STDIN and write to STDOUT. 
Please check the sample program below which prints the Sum of two numbers received as input 
• Java goo.gl/QUZhgb (Remove package declarations and keep the Main class (class containing the main method) name as "solution" (small case) Machine generated alternative text:
SAMPLE STDIN 1 
2 
3 
367 
7 5 7 10 
3 
291 
5 
SAMPLE STDOUT 1 
2 
2 