**MIN To MAX**

You are given an array A*A* of size N*N*.

Let M*M* be the **minimum** value present in the array initially.  
In one operation, you can choose an element Ai*Ai*​ (1≤i≤N)(1≤*i*≤*N*) and an integer X*X* (1≤X≤100)(1≤*X*≤100), and set Ai=X*Ai*​=*X*.

Determine the **minimum** number of operations required to make M*M* the **maximum** value in the array A*A*.

**Input Format**

* The first line of input will contain a single integer T*T*, denoting the number of test cases.
* Each test case consists of multiple lines of input.
  + The first line of each test case contains a single integer N*N* - the size of the array.
  + The next line of each test case contains N*N* space-separated integers A1,A2,…,AN*A*1​,*A*2​,…,*AN*​ - the elements of the array.

**Output Format**

For each test case, output on a new line, the **minimum** number of operations required to make M*M* the **maximum** value in the array A*A*.

**Constraints**

* 1≤T≤1001≤*T*≤100
* 1≤N≤1001≤*N*≤100
* 1≤Ai≤1001≤*Ai*​≤100

**Sample 1:**

Input

3

2

1 2

4

2 2 3 4

1

1

Output

1

2

0