

Distinct Count

Given an array AA of NN integers, classify it as being Good Bad or Average. It is called Good, if it contains exactly XX distinct integers, Bad if it contains less than XX distinct integers and Average if it contains more than XX distinct integers.

Input Format

First line consists of a single integer TT denoting the number of test cases.

First line of each test case consists of two space separated integers denoting NN and XX .

Second line of each test case consists of NN space separated integers denoting the array elements.

Constraints:

- $1 \leq T \leq 50$
- $1 \leq X, N \leq 13000$
- $1 \leq A[i] \leq 109$

Output Format

Print the required answer for each test case on a new line.

Sample test

inputcopy

4 4 1 1 4 2 5 4 2 4 2 1 5 4 3 5 2 4 1 4 4 1 2 4 5

outputcopy

Average Average Average Good