**Permutations in array**

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Given two arrays of equal size **n** and an integer **k**. The task is to permute both arrays such that sum of their corresponding element is greater than or equal to k i.e A[i] + B[i] >= k.

Examples:

**Input :** A[] = {2, 1, 3},

B[] = { 7, 8, 9 },

k = 10.

**Output :** 1

Permutation A[] = { 1, 2, 3 } and B[] = { 9, 8, 7 }

satisfied the condition A[i] + B[i] >= K.

**Input :** A[] = {1, 2, 2, 1},

B[] = { 3, 3, 3, 4 },

k = 5.

**Output :** 0

**​Input:**  
The first line of input contains an integer T denoting the no of test cases. Then T test cases follow. Each test case contains three lines.The first line of input contains two integers n and k . Then in the next two lines are space separated values of the array A and B.

**Output:**  
For each test case in a new  line print the required answer.

**Constraints:**  
1<=T<=100  
1<=n,k<=200

**Example:  
Input:**  
2  
3 10  
2 1 3  
7 8 9  
4 5  
1 2 2 1  
3 3 3 4  
**Output:**  
1  
0

\*\*For More Examples Use Expected Output\*\*

<http://practice.geeksforgeeks.org/problems/permutations-in-array/0>

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package javaapplication248;

import java.io.BufferedReader;

import java.io.IOException;

import java.io.InputStreamReader;

import java.util.ArrayList;

import java.util.Arrays;

/\*\*

\*

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\*/

public class JavaApplication248 {

public static void main(String[] args) throws IOException {

// TODO code application logic here

BufferedReader br = new BufferedReader(new InputStreamReader(System.in));

int t = Integer.parseInt(br.readLine());

while(t-- > 0) {

String[] nk = br.readLine().trim().split(" ");

int n = Integer.parseInt(nk[0]);

int k = Integer.parseInt(nk[1]);

String[] as = br.readLine().trim().split(" ");

int[] a = new int[n];

for(int i =0; i<n; i++){

a[i] = Integer.parseInt(as[i]);

}

String[] bs = br.readLine().trim().split(" ");

int[] b = new int[n];

for(int i =0; i<n; i++) {

b[i] = Integer.parseInt(bs[i]);

}

Arrays.sort(a);

Arrays.sort(b);

int ans = 1;

for(int i =0; i<n; i++) {

if(a[i] + b[n-1-i] < k) {

ans = 0;

break;

}

}

System.out.println(ans);

}

}

}