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Remove Facebook Friends

Problem	Submissions	Leaderboard	Discussions

Due to quarantine, Sherry is feeling so bored at home. 2 days back, she decided to join Facebook. And yes, she became popular on Facebook in two days and her Facebook profile is full of friend requests. Being the nice girl she is, Sherry has accepted all the requests.

Now Winit is jealous of all the attention she is getting from other guys, so he asks her to delete some of the guys from her friend list.

To avoid a 'scene', Sherry decides to remove some friends from her friend list, since she knows the importance of each of the friend she has, she uses the following algorithm to delete a friend.

```
DeleteFriend=false
    for i = 1 to Friend.length-1
        if(Friend[i].mutualFriends<minValue)
            delete i th friend
            DeleteFriend=true
        for j=i+1 to Friend.length
            if(Friend[i].name==Friend[j].name)
                if(Friend[i].mutualFriends>Friend[j].mutualFriends)
                    delete j th friend
                    DeleteFriend=true
                else
                    delete i the friend
                    DeleteFriend=true
        DeleteFriend=true
        break
    if(DeleteFriend == false)
        print "Sorry Winit!"
```

Input Format

First line contains T number of test cases. First line of each test case contains N, the number of friends Shreya currently has and K, the minumum number of mutual friends she must have. Next N lines contains name of her friend and her mutual friends.

Constraints

- 1<=T<=1000

- 1<=N<=100000

- 0<=K< N

Output Format

For each test case print name of her friend (in lexagraphical order) and their mutual friends separated by space in new line. Print "**Sorry Winit**" if none of the friends are deleted according to the alogrithm.

Sample Input 0

```
1
7 4
Vinit 8
Yashna 5
Rasika 6
Akansha 5
Akansha 6
Archit 2
Raghav 4
```

Sample Output 0

```
Akansha 6
Raghav 4
Rasika 6
Vinit 8
Yashna 5
```

Sample Input 1

```
1
4 2
Prerna 12
Nandini 12
Samriddhi 2
Ashika 8
```

Sample Output 1

```
Sorry Winit!
```

Submissions: 8
Max Score: 25
Difficulty: Hard

Rate This Challenge:
☆ ☆ ☆ ☆ ☆

More

Current Buffer (saved locally, editable)

C++

```cpp
1  #include <cmath>
2  #include <cstdio>
3  #include <vector>
4  #include <iostream>
5  #include <algorithm>
6  using namespace std;
7
8
9  int main() {
10     /* Enter your code here. Read input from STDIN. Print output to STDOUT */
11     return 0;
12  }
13
```

Line: 1 Col: 1

⬆ Upload Code as File   ☐ Test against custom input   Run Code   Submit Code

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