

Submissions

Moist

4pt Not attempted
31/48 users correct
(65%)6pt Not attempted
31/31 users correct
(100%)

Captain Hammer

22pt Not attempted
13/18 users correct
(72%)

Bad Horse

12pt Not attempted
15/20 users correct
(75%)21pt Not attempted
13/15 users correct
(87%)

Professor Normal

12pt Not attempted
2/5 users correct
(40%)23pt Not attempted
1/2 users correct
(50%)

Top Scores

6502	68
mgedmin	65
florentxieluna	65
koniiiiik	65
kurazu	65
pts	65
fox91	65
harutune	65
mgax	44
spyyy	43

Problem C. Bad Horse

This contest is open for practice. You can try every problem as many times as you like, though we won't keep track of which problems you solve. Read the [Quick-Start Guide](#) to get started.

Small input 1
12 points

Solve C-small-1

Small input 2
21 points

Solve C-small-2

Problem

As the leader of the Evil League of Evil, Bad Horse has a lot of problems to deal with. Most recently, there have been far too many arguments and far too much backstabbing in the League, so much so that Bad Horse has decided to split the league into two departments in order to separate troublesome members. Being the Thoroughbred of Sin, Bad Horse isn't about to spend his valuable time figuring out how to split the League members by himself. That what he's got you -- his loyal henchman -- for.

Input

The first line of the input gives the number of test cases, **T**. **T** test cases follow. Each test case starts with a positive integer **M** on a line by itself -- the number of troublesome pairs of League members. The next **M** lines each contain a pair of names, separated by a single space.

Output

For each test case, output one line containing "Case #x: y", where x is the case number (starting from 1) and y is either "Yes" or "No", depending on whether the League members mentioned in the input can be split into two groups with neither of the groups containing a troublesome pair.

Limits

 $1 \leq T \leq 100.$

Each member name will consist of only letters and the underscore character.

Names are case-sensitive.

No pair will appear more than once in the same test case.

Each pair will contain two distinct League members.

Small dataset

 $1 \leq M \leq 10.$

Large dataset

 $1 \leq M \leq 100.$

Sample

Input	Output
2	Case #1: Yes
1	Case #2: No
Dead_Bowie Fake_Thomas_Jefferson	
3	
Dead_Bowie Fake_Thomas_Jefferson	
Fake_Thomas_Jefferson Fury_Leika	
Fury_Leika Dead_Bowie	



