

Practice Round China New
Grad Test 2014

A. Bad Horse

[B. Captain Hammer](#)

[C. Moist](#)

[Questions asked](#)

Submissions

Bad Horse

| | |
|------|---|
| 12pt | Not attempted 789/1984 users correct (40%) |
| 21pt | Not attempted 707/776 users correct (91%) |

Captain Hammer

| | |
|------|---|
| 22pt | Not attempted 755/1070 users correct (71%) |
|------|---|

Moist

| | |
|-----|---|
| 4pt | Not attempted 793/1049 users correct (76%) |
| 6pt | Not attempted 770/775 users correct (99%) |

Top Scores

| | |
|-------------|----|
| yeflowers | 65 |
| akaring | 65 |
| AlphardWang | 65 |
| Prowindy | 65 |
| levy0834 | 65 |
| yuxuelu9 | 65 |
| Konjac | 65 |
| TimShen | 65 |
| LTzycLT | 65 |
| lxc902 | 65 |

Problem A. 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 A-small-1

Small input 2
21 points

Solve A-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 | |

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