



Time Remaining: 21min 08sec Rank: 439 Score: 0 [yanweiran123@gmail.com](#) | [Contest scoreboard](#) | [Sign out](#)

Practice Round APAC test

A. Bad Horse

[B. Captain Hammer](#)

[C. Moist](#)

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Submissions	
Bad Horse	
12pt	Not attempted 262/838 users correct (31%)
21pt	Not attempted 227/258 users correct (88%)
Captain Hammer	
22pt	Not attempted 241/468 users correct (51%)
Moist	
4pt	6 incorrect attempts 302/518 users correct (58%)
6pt	Not attempted 290/300 users correct (97%)

Top Scores	
Piggietest	65
ivanzzj	65
lsmmd	65
chx123456	65
raypeng	65
fhector	65
mkrjn99	65
thermal	65
milkbro	65
dyfyc	65

Problem A. Bad Horse

Confused? Read the [quick-start guide](#).

Small input 1
12 points

Solve A-small-1

You may try multiple times, with penalties for wrong submissions.

Small input 2
21 points

You must solve small input 1 first.
You may try multiple times, with penalties for wrong submissions.

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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