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Chef Meets Alan Turing   Problem Code: **TCQF181D**   Submit (/TCQ2018/submit/TCQF181D)   ✓

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Chef met his best friend Alan Turing today for watching the Football finals. Chef tells Alan that *"The team who has scored most number of goals throughout the season is going to win today's finals"*.

Alan wants to prove that Chef is wrong. He knows about the goals scored by all the **N** teams through out the season except the finals. If the top two scoring teams are in the finals Chef is right and and if not then Chef is wrong. Help Alan to prove if Chef is right or wrong.

Input

First line of input contains **T** - the number of test cases.
First line of each test case consists of **N**.
Next line will have two strings F1 and F2 the teams in the finals.
Next N lines will have team name and score in format **X Y**. Here X stands for team name (without spaces) and Y stands for number of goals scored by the team X throughout the season.

Output

For each test case, output a single line consisting the answer **right** or **wrong** as mentioned above.

Constraints

- **1 ≤ T ≤ 100**
- **3 ≤ N ≤ 10**
- **1 ≤ |X|, |F1|, |F2| ≤ 10**
- **Y is distinct in each test case for all teams**
- **1 ≤ sum of all Y ≤ 10^8**

Example

```
Input:
2
3
ManUtd Chelsea
ManUtd 10
Chelsea 9
ManCity 7
3
ManUtd ManCity
ManUtd 9
Chelsea 8
ManCity 7

Output:
right
wrong
```

Explanation

In first test case, both Chelsea and ManUtd are top scorers of the season so its right.

In second test case, ManCity is not one of the top two scorers of the season.

Author:	3★ nerdyninja (/users/nerdyninja)
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Time Limit:	1 secs
Source Limit:	50000 Bytes
Languages:	ADA, ASM, BASH, BF, C, CAML, CLOJ, CLPS, COB, CPP 4.3.2, CPP 6.3, CPP14, CS2, D, ERL, FORT, FS, GO, HASK, ICK, ICON, JAVA, JS, kotlin, LISP clisp, LISP sbcl, LUA, NEM, NICE, NODEJS, PAS fpc, PAS gpc, PERL, PERL6, PHP, PIKE, PRLG, PYPY, PYTH, PYTH 3.5, RUBY, rust, SCALA, SCM chicken, SCM guile, SCM qobi, ST, swift, TCL, TEXT, WSPC

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CodeChef (http://www.codechef.com) - A Platform for Aspiring Programmers
CodeChef was created as a platform to help programmers make it big in the world of algorithms, **computer programming** and **programming contests**. At CodeChef we work hard to revive the geek in you by hosting a **programming contest** at the start of the month and another smaller programming challenge in the middle of the month. We also aim to have training sessions and discussions related to **algorithms**, **binary search**, technicalities like **array size** and the likes. Apart from providing a platform for **programming competitions**, CodeChef also has various algorithm tutorials and forum discussions to help those who are new to the world of **computer programming**.

Practice Section (https://www.codechef.com/problems/easy) - A Place to hone your 'Computer Programming Skills'
Try your hand at one of our many practice problems and submit your solution in a language of your choice. Our **programming contest** judge accepts solutions in over 35+ programming languages. Preparing for coding contests were never this much fun! Receive points, and move up through the CodeChef ranks. Use our practice section to better prepare yourself for the multiple **programming challenges** that take place through-out the month on CodeChef.

Compete (https://www.codechef.com/problems/easy) - Monthly Programming Contests and Cook-offs
Here is where you can show off your **computer programming skills**. Take part in our 10 day long monthly coding contest and the shorter format Cook-off **coding contest**. Put yourself up for recognition and win great prizes. Our **programming contests** have prizes worth up to INR 20,000 (for Indian Community), $700 (for Global Community) and lots more CodeChef goodies up for grabs.

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