CODECHEF

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Chef Judges a Competition

Problem Code: **CO92JUDG**   Submit (/submit/CO92JUDG)

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Chef is the judge of a competition. There are two players participating in this competition — Alice and Bob.

The competition consists of **N** races. For each **i** ($1 \le i \le N$), Alice finished the **i**-th race in A_i minutes, while Bob finished it in B_i minutes. The player with the smallest sum of finish times wins. If this total time is the same for Alice and for Bob, a draw is declared.

The rules of the competition allow each player to choose a race which will not be counted towards their total time. That is, Alice may choose an index **x** and her finish time in the race with this index will be considered zero; similarly, Bob may choose an index **y** and his finish time in the race with this index will be considered zero. Note that **x** can be different from **y**; the index chosen by Alice does not affect Bob's total time or vice versa.

Chef, as the judge, needs to announce the result of the competition. He knows that both Alice and Bob play optimally and will always choose the best option. Please help Chef determine the result!

Input

- The first line of the input contains a single integer **T** denoting the number of test cases. The description of **T** test cases follows.
- The first line of each test case contains a single integer **N**.
- The second line contains **N** space-separated integers $A_1, A_2, ..., A_N$.
- The third line contains **N** space-separated integers $B_1, B_2, ..., B_N$.

Output

For each test case, print a single line containing the string `"Alice"` if Alice wins, `"Bob"` if Bob wins or `"Draw"` if the result is a draw (without quotes).

Constraints

- $1 \le T \le 100$
- $2 \le N \le 100$
- $1 \le A_i \le 1000$ for each valid i
- $1 \le B_i \le 1000$ for each valid i

Example

```
Input:

3
5
3 1 3 3 4
1 6 2 5 3
5
1 6 2 5 3
3 1 3 3 4
3
4 1 3
2 2 7

Output:

Alice
Bob
Draw
```

Explanation

Example case 1: Alice will choose the finish time in the last race to be considered zero, which means her sum of finish times is 3 + 1 + 3 + 3 + 0 = 10, while Bob will choose the finish time of his second race to be considered zero, so his total sum of finish times is 1 + 0 + 2 + 5 + 3 = 11. Since Alice's sum is smaller, she is considered the winner.

Example case 2: We're dealing with the same situation as in the previous case, but finish times for the players are swapped, so Bob wins this time.

Example case 3: Alice will choose the finish time of the first race to be considered zero, which means her total time is 0 + 1 + 3 = 4. Bob will choose the finish time of his last race to be considered zero, which makes his total time 2 + 2 + 0 = 4. The competition is considered **a draw** because both players have equal sums of finish times.

PRLG, ICON, SCM qobi, PIKE, ST, NICE, LUA, BASH, NEM,
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CodeChef (/) - 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 two smaller programming challenges at the middle and end 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 (/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 the language of your choice. Our **programming contest** judge accepts solutions in over 55+ 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.

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