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Switch to Non-IDE mode

Contest Code: DEC21C   **Problem Code:** UTKPLC

Utkarsh is currently sitting for placements. He has applied to three companies named A, B, and C.

You know Utkarsh's order of preference among these 3 companies, given to you as characters `first`, `second`, and `third` respectively (where `first` is the company he prefers most).

You also know that Utkarsh has received offers from exactly two of these three companies, given you as characters x and y.

Utkarsh will always accept the offer from whichever company is highest on his preference list. Which company will he join?

Input Format

- The first line of 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 three different space-separated characters: `first`, `second`, and `third`, denoting Utkarsh's order of preference among the three companies.

- The second line of each test case contains two space-separated characters x and y, the companies from which Utkarsh has received offers.

Output Format

For each test case, print one line containing a single character, the company whose offer Utkarsh will accept.

The output is not case sensitive, so if the answer is A, both a and A will be accepted.

Constraints

- $1 \le T \le 36$
- `first`, `second` and `third` are three different characters among $\{A, B, C\}$.
- x and y are two different characters among $\{A, B, C\}$.

Subtasks

Subtask #1 (100 points): Original constraints

Sample Input 1 📋

```
2
A B C
A B
B C A
A C
```

Sample Output 1 📋

```
A
C
```

Explanation

Test Case 1. Utkarsh has received offers from A and B. Of these two, he prefers company A (first preference) over B (second preference). Therefore Utkarsh will accept the offer of company A.

Test Case 2. Utkarsh has received offers from A and C, where company C is his second preference and company A is his third preference. Utkarsh will accept the offer of company C.

Status Correct Answer ✔ **Time** 0.00 sec **Solution** 54637788   ✖

Sub-Task	Task #	Result (time)
1	0	AC (0.003565)
1	1	AC (0.003594)
Subtask Score: 100.00%		**Result - AC**
		Total Score = 100.00%

C++14 (Gcc 6.3)   💾 🗑 Code gets autosaved every second   ℹ 📥 ↗ ⚙

```
1    #include <iostream>
2    using namespace std;
3    int main()
4    {
5        char first, second, third, x, y;
6        int i, T, j;
7        cin >> T;
8        for (i = 1; i <= T; i++)
9        {
10           cin >> first >> second >> third;
11           cin >> x >> y;
12           cout<<endl;
13           if (x == first || y == first)
14               cout << first;
15           else if (y == second || x == second)
16               cout << second;
17           else
18               cout << third;
19       }
20       return 0;
21   }
```

11:19   ⟳

Open File   ✔Custom Input   **Run**   **Submit**

Custom Input

```
2
A B C
A B
B C A
A C
```

Status Successfully executed **Date** 2021-12-04 04:09:31 **Time** 0.006345 sec **Mem** 5.344 kB   ✖

Input

```
2
A B C
A B
B C A
A C
```

Output

```
A
C
```