



3 Questions

Total Marks: 300.0

3 Programming Questions

1. String Game

+ 100.0

2. Max Power

+ 100.0

3. Thief and Warehouses

+ 100.0

Question 1

Max. Marks 100.00



String Game

Player1 and *Player2* decided to play a game. The game comprises of a String *S* which consist of lowercase English alphabets only and both players take alternative terms.

In each turn, a Player choose a character present in the string and remove all occurrences of the character. For each player to play his turn, there should be at least one character in the string. The Player who is not able to play his turn loses.

Your task is to find the winner of the game, if both the players play optimally and *Player1* plays the first turn.

Input Format :

The input starts with an integer *T*, the number of test cases.
Each test case contains an String *S* on a new line.

Output Format:

Print "*Player1*" if *Player1* Wins or "*Player2*" if *Player2* Wins (without quotes). For each test case, print the output in new line.

Constraints:

$$1 \leq T \leq 10$$
$$1 \leq \text{length of String } S \leq 10^5$$

All characters are lowercase English alphabets.

Sample Input



1
aba

Sample Output



Player2

Explanation

In first Testcase :

Player1 removes 'b' and then Player2 removes 'a'. Since Player1 cannot move now, Player2 wins.

Note: Your code should be able to convert the sample input into the sample output. However, this is not enough to pass the challenge, because the code will be run on multiple test cases. Therefore, your code must solve this problem statement.

Time Limit: 1.0 sec(s) for each input file

Memory Limit: 256 MB

Source Limit: 1024 KB

Marking Scheme: Marks are awarded if any testcase passes

Allowed Languages: Java, Java 8