

Practice (/) BETA

Sudo Placement [1.1] (/contest/sudo-placement-11/)

Hello

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SUMMARY

(HTTPS://PRACTICE.GEEKSFORGEEKS.ORG/CONTEST/SUDO-PLACEMENT-11/SUMMARY/)

SP - Palindrome Family (https://practice.geeksforgeeks.org/contest-problem/sp-palindrome-family/0/)

SP - Special Subsequences (https://practice.geeksforgeeks.org/contest-problem/sp-trip-k-lets/0/)

SP - Range Queries (https://practice.geeksforgeeks.org/contest-problem/sp-range-queries/0/)

Your Total Score:

0

SP - Palindrome Family

Submissions: 1445 Accuracy: 24.84% Max. Score: 20

Given a string of lowercase characters. You need to detect the family of string, where family of string is described as follows :

Odd Palindrome : String with characters at odd index (**1-based indexing**) forming Palindrome.

Even Palindrome : String with characters at even index (**1-based indexing**) forming Palindrome.

TWIN Palindrome : String with both of the above properties.

Parent Palindrome : If the string is itself a Palindrome.

If string is not in the family, print "**ALIEN**" (without quotes).

If the string is not **ALIEN** then the priority of plaindromes goes like **PARENT > TWIN > EVEN/ODD**.

Input :

First line of input contains number of testcases **T**. For each testcase, there will be a single line containing the string.

Output :

For each testcase, output a single line "**ODD**" / "**EVEN**" / "**TWIN**" / "**PARENT**" / "**ALIEN**" (without quotes).

Constraints :

1 <= **T** <= 210

1 <= **String Length** <= 10⁵

Example :

Input :

3
geeks
geeksforskeeg
aibohobia

Output :

ALIEN
ODD
PARENT



Explanation :




For first testcase, non of even or odd indexed characters form palindrome, neither string itself is palindrome.

For 2nd testcase, in the given string, all characters at odd indexes (g,e,s,o,s,e,g) forms palindrome.

[My submissions](#)[\(/problem_submissions.php?pid=3507&isSolved=ALL&lang=ALL&user=Self\)](https://problem_submissions.php?pid=3507&isSolved=ALL&lang=ALL&user=Self)

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C++ (g++ 5.4) ▼

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```
1 #include<iostream>
2 using namespace std;
3 int main()
4 {
5     //code
6     return 0;
7 }
```

☐ Test against custom input

Submissions are closed for this Contest problem.



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