InfyTQ SET 002

Solved Challenges **0/5**

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Rotate String - Odd/Even

ID:10565   **Solved By 340 Users**

InfyTQ

The program is provided with one or more strings separated by a comma, where each string is associated with an integer following it after a colon (**:**). If the sum of the squares of the digits of the associated integer is even then rotate the string right by one position. If the sum of the squares of the digits of the associated integer is odd then rotate the string left by two positions.

Boundary Condition(s):
1 <= Count of String Values <= 20

Input Format:
The first line contains the string values separated by a comma.

Output Format:
The lines contain the string values rotated based on the given conditions.

Example Input/Output 1:
Input:
abcde:234,pqrs:246

Output:
cdeab
spqr

Explanation:
For **abcde**, the integer is **234**. The sum of squares of the digits is 4+9+16=29 which is **odd**. So abcde is rotated left by two positions resulting in **cdeab**.
For **pqrs**, the integer is **246**. The sum of squares of the digits is 4+16+36=56 which is **even**. So abcde is rotated right by one position resulting in **spqr**.

Example Input/Output 2:
Input:
xyz:193

Output:
zxy

Max Execution Time Limit: 500 millisecs

Ambiance

Python3 (3.x)

Reset

```
 1  string = list(input().strip().split(","))
 2  for s in string:
 3      letters,num = s.split(":")
 4      add=0
 5      for n in num:
 6          add+=int(n)**2
 7      if(add%2==0):
 8          letters = letters[-1]+letters[:-1]
 9      else:
10          letters = letters[2:]+letters[:2]
11      print(letters)
```

Code did not pass the execution   —   ✕

Your Program Output:

cdeab
spqr

Save   Run

☐ Run with a custom test case (Input/Output)