Question **1**

Correct

Marked out of 10.00

You are given a list of strings each having 2 components to it - word and integer. These 2 components are separated by :.

· If the square of digits in the number component is even, then you must rotate the word to the right by 1

· If the square of digits in the number component is odd, then you must rotate the word to the left by 2

Finally, print the rotated word.

Example Input

rhdt:246,ghftd:1246

Output

trhd

ftdgh

Explanation

2*2+4*4+6*6 = 56 which is even so rotate rhdt --> trhd

1*1+2*2+4*4+6*6 = 57 which is odd so rotate ghftd --> ftdgh

For example:

Input	Result
`rhdt:246,ghftd:1246`	`trhd` `ftdgh`

Answer: (penalty regime: 0 %)

Ace editor not ready. Perhaps reload page?

Falling back to raw text area.

```python
n=input().split(",")
for i in n:
    word,number=i.split(":")
    square_sum=sum(int(num)**2 for num in number)
    if square_sum%2==0:
        rotate=word[-1]+word[:-1]
    else:
        rotate=word[2:]+word[:2]
    print(rotate)
```

	Input	Expected	Got	
✔	`rhdt:246,ghftd:1246`	`trhd` `ftdgh`	`trhd` `ftdgh`	✔

Passed all tests! ✔