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 %)

```python
 1  c=input().split(",")
 2  for i in c:
 3      r=i.split(":")
 4      k=0
 5      stri=r[0]
 6      for i in r[1]:
 7          k=(int(i)*int(i))+k
 8      if k%2==0:
 9          n=stri[-1:]+stri[:-1]
10      else:
11          n=stri[2:]+stri[:2]
12      print(n)
13
```

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

Passed all tests! ✔