



STUDENT REPORT

DETAILS

Name

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Roll Number

3BR23ME026

EXPERIMENT

Title

ENCODE THE NUMBER

Description

You work in the message encoding department of a national security agency. Every message that is sent from or received in your office is encoded. You have an integer N , and each digit of N is squared and the squares are concatenated together to encode the original number. Your task is to find and return an integer value representing the encoded value of the number.

input1: An integer value N representing the number to be encoded.

Output :

Return an integer value representing the encoded value of the number.

Sample Input:

167

Sample Output:

13649

Source Code:

```
n = int(input())
res = 0
f = 1
while n > 0:
    rem = n % 10
    sq = rem ** 2
    if sq < 10:
        res = sq * f + res
        f *= 10
    else:
        res += sq * f
        f *= 100
    n //= 10
print(res)
```

RESULT

3BR

ME02b

R23M

3BR
26 3BR

ME02
ME02

R23M
R23M

26 3BR
26 3BR