Logo

STUDENT REPORT

DETAILS

Name

TEJA RAJU P

Roll Number

22BI24ME417-T

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

5 / 5 Test Cases Passed | 100 %

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