Logo

STUDENT REPORT

DETAILS

Name

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Roll Number

23D21A05H4

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:

```
def encode_num(N) :
    digits = str(N)
    encoded_str = ''.join(str(int(digit)**2) for digit
in digits)
    return encoded_str
N = int(input())
print(encode_num(N))
```

RESULT

5 / 5 Test Cases Passed | 100 %