



STUDENT REPORT

DETAILS

Name

DEEKSHITHA B

Roll Number

3BR23CS042

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:

```
from collections import Counter

def min_steps_to_magic_string(S):
    if len(set(S)) == 1:
        return 0

    freq = Counter(S)

    max_freq = max(freq.values())

    return len(S) - max_freq

S = input()

result = min_steps_to_magic_string(S)
print(result)
```

RESULT

3BR

S042

R23C

3BR
3BR2

S042
042

R23C
3CS

3BR2
3BR