



Sum - Digits on Left and Right

The program must accept an integer **N** containing only nonzero digits as the input. For each digit **D** in the integer **N**, the program must form an integer by concatenating **D** digits on the left and **D** digits on the right of the **D**. Then the program must print the sum of the resulting integer values. If the number of digits on the left or right is less than **D**, then consider only the existing digits on the left or right.

Boundary Condition(s):

$10 \leq N \leq 10^8$

Input Format:

The first line contains **N**.

Output Format:

The first line contains an integer value representing the sum of resulting integer values.

Example Input/Output 1:

Input:

2314

Output:

510

Explanation:

Here $N = 2314$.

2 -> **31**

3 -> **214**

1 -> **34**

4 -> **231**

$31 + 214 + 34 + 231 = \mathbf{510}$.

Example Input/Output 2:

Input:

541326

Output:

201089

Explanation:

5 -> **41326**

4 -> **51326**

1 -> **43**

3 -> **54126**

2 -> **136**

6 -> **54132**

$41326 + 51326 + 43 + 54126 + 136 + 54132 = \mathbf{201089}$.

Max Execution Time Limit: 50 millisecs

Ambiance

Java (12.0)



```

1 import java.util.*;
2 public class Hello {
3
4     public static void main(String[] args) {
5
6         Scanner sc = new Scanner(System.in);
7
8         char arr[] = sc.nextLine().toCharArray();
9
10        int res = 0;
11
12        for(int i=0;i<arr.length;i++){
13            res+=Integer.parseInt(new StringBuilder(getLoader(arr,i,-1)).reverse().toString()+getLoa
14                (arr,i,1));
15        }
16        System.out.println(res+"-");
17    }
18
19    public static String getLoader(char arr[],int x,int dir){
20
21        int b = dir==-1 ? x-(arr[x]-'0')-1 : x+(arr[x]-'0')+1;
22        b = b<-1 ? -1 : b;
23        b = b>arr.length ? arr.length : b;
24
25        int res=0;
26
27        for(int i=x+dir;i!=b;i+=dir) res= (res*10)+(arr[i]-'0');
28
29        return res==0 ? "" : res+"";
30    }
31 }
32
33
34 }

```

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Code did not pass the execution

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Input:

2314

Expected Output:

510

Your Program Output:

510-

Save

Run