Access Token

You are developing a function to determine a unique "key" based on three provided four-digit numbers. The key is derived using specific rules involving digit positions across all three numbers.

Task

Write a function that takes three inputs

- 1000<=input1<=9999
- 1000<=input2<=9999
- 1000<=input3<=9999

The function should compute and return the key using the following formula

Key= [Smallest Digit in the Thousands Place of all Three Numbers]

[Largest Digit in the Hundreds Place of all Three Numbers]

[Smallest Digit in the Tens Place of all Three Numbers]

[Largest Digit in the Units Place of all Three Numbers]

Test Case 1

Inputs

- input1 = 3521
- input2 = 2452
- input3 = 1352

Output: 1522

Explanation

Key = [1][5][2][2]= 1522

Test Case 2

Inputs

- input1 = 6341
- input2 = 7536
- input3 = 4213

Output: 4516

Explanation

Key = [4][5][1][6]= 4516