eLab

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CHALLENGE INFORMATION

✅ You have already solved this challenge ! Though you can run the code with different logic ! ✕

Course	JAVA	Session	Classes and Objects	Question Information	Level 1	Challenge 44
Problem						

Question description

Neil has planned a trip using trains and buses. The train fare will be M euros if you buy ordinary tickets along the way, and N euros if you buy an unlimited ticket. Similarly, the bus fare will be O euros if you buy ordinary tickets along the way, and P euros if you buy an unlimited ticket.

Find the minimum total fare when the optimal choices are made for trains and buses.

Constraints:

$1 \leq M \leq 1000$

$1 \leq N \leq 1000$

$1 \leq O \leq 1000$

$1 \leq P \leq 1000$

Input Format:

Single line input contains four integers M,N,O,P separated by a space

Output Format:

Print the minimum total fare which can help Neil save some money.

Test Cases

Logical Test Cases

Test Case 1

INPUT (STDIN)

600 300 220 420

EXPECTED OUTPUT

520

Test Case 2

INPUT (STDIN)

445 625 655 790

EXPECTED OUTPUT

1100

Mandatory Test Cases

Test Case 1

KEYWORD

class TrainFare

Test Case 2

KEYWORD

TrainFare train=new
TrainFare();

Test Case 3

KEYWORD

BusFare bus=new BusFare();

Test Case 4

KEYWORD

int M,N;

Test Case 5

KEYWORD

train.M= sc.nextInt();

Test Case 6

KEYWORD

int O,P;

Test Case 7

KEYWORD

```
bus.P= sc.nextInt();
```

Complexity Test Cases

Test Case 1

CYCLOMATIC COMPLEXITY

4

Test Case 2

TOKEN COUNT

195

Test Case 3

NLOC

32

Code Editor

Code Editor   JAVA SE 1.8   Light Theme

```java
1   import java.util.Scanner;
2   class TrainFare{
3       int M,N;
4   }
5   class BusFare{
6       int O,P;
7   }
8   public class Class332241010280 {
9       public static void main(String[] args) {
10          Scanner sc = new Scanner(System.in);
11          TrainFare train=new TrainFare();
12          BusFare bus=new BusFare();
13          train.M= sc.nextInt();
14          train.N= sc.nextInt();
15          bus.O= sc.nextInt();
16          bus.P= sc.nextInt();
17          int TrainFare= Math.min(train.M,train.N);
18          int BusFare= Math.min(bus.O,bus.P);
19          int totalFare= TrainFare+BusFare;
20          System.out.println(totalFare);
```

Custom Input (stdin)   T1 T2

600 300 220 420

Output   MATCH T1   MATCH T2

520

Complexity Analysis