



# Novetta - PyCon Challenge 2020

Apr 16, 2020, 05:30 PM IST - May 29, 2020, 09:29 AM IST

INSTRUCTIONS	PROBLEMS	SUBMISSIONS	LEADERBOARD	ANALYTICS	JUDGE	
← Problems / Height equ	uality					
Height equ	ality					
This problem is n	o longer available	e for practice. Apolog	y for any inconvenier	nce!		

You are given the heights of two persons as  $m{H_a}$  and  $m{H_b}$ . You have to make their heights equal.

The operations that can be applied to make them equal are the following:

- Increase the height of any one person at a time with the amount of height he had initially (before performing any operation).
- Increase the height of both persons at a time with the amount of height they had initially.

To do one operation it takes 1 second. Each operation can be performed multiple numbers of times.

Your task is to find the minimum time in which the height of the two persons become equal.

### Input format

The first line contains two space-separated integers denoting  $m{H_a}$  and  $m{H_b}$ .

### **Output format**

Print the minimum time in which the heights of the two people become equal.

# Constraints

 $1 \leq H_a, H_b \leq 10^9$ 

Input1:

8 3

Output1:

7

Input2:

6 4

Output2:

2



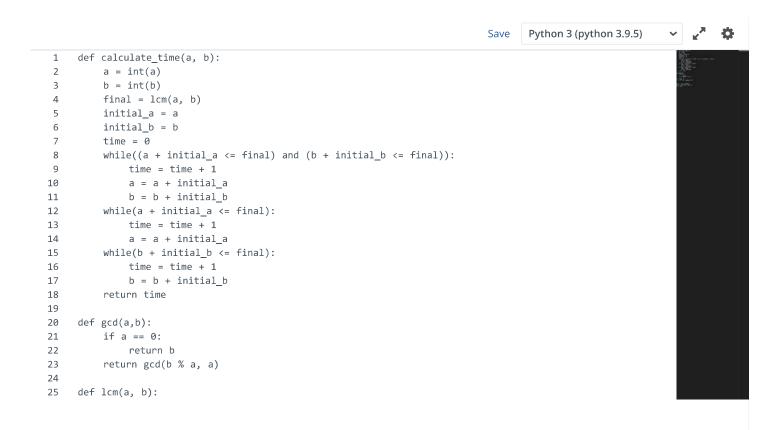
### Explanation

If we apply first operation one time on 1st person, his height will become 1 + 1 = 2 which is equal to another person's height. Hence, it takes 1 second to make their height equal.

### 6/24/22, 8:27 AM

Time Limit:	10.0 sec(s) for each input file.
Memory Limit:	256 MB
Source Limit:	1024 KB
Marking Scheme:	Score is assigned if any testcase passes.
Allowed Languages:	Python 3

## **CODE EDITOR**

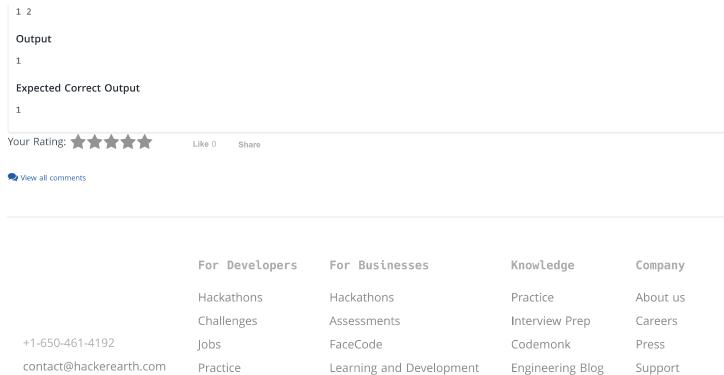


Test against custom input 
Compile & Test code

Submit code

RESULT: Sample Test Cases Passed 
Note: When you Compile, the code is run against sample inputs. When you Submit code, the code is run against sample input as well as multiple hidden test cases. In order to solve the problem, your code must pass all of the test cases.

Time (sec) Memory (KiB) Language
0.016707 2 Python 3



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