

BACK

areEquallyStrong



DESCRIPTION

SOLUTIONS 13740

COMMENTS 45



CODEWRITING

SCORE: 300/300

Call two arms *equally strong* if the heaviest weights they each are able to lift are equal.

Call two people *equally strong* if their strongest arms are equally strong (the strongest arm can be both the right and the left), and so are their weakest arms.

Given your and your friend's arms' lifting capabilities find out if you two are equally strong.

### Example

- For `yourLeft = 10` , `yourRight = 15` , `friendsLeft = 15` and `friendsRight = 10` , the output should be  
`areEquallyStrong(yourLeft, yourRight, friendsLeft, friendsRight) = true ;`
- For `yourLeft = 15` , `yourRight = 10` , `friendsLeft = 15` and `friendsRight = 10` , the output should be  
`areEquallyStrong(yourLeft, yourRight, friendsLeft, friendsRight) = true ;`
- For `yourLeft = 15` , `yourRight = 10` , `friendsLeft = 15` and `friendsRight = 9` , the output should be  
`areEquallyStrong(yourLeft, yourRight, friendsLeft, friendsRight) = false .`

### Input/Output

- **[execution time limit] 4 seconds (js)**
- **[input] integer yourLeft**

A non-negative integer representing the heaviest weight you can lift with your left arm.

*Guaranteed constraints:*

$0 \leq \text{yourLeft} \leq 20$  .

- **[input] integer yourRight**

A non-negative integer representing the heaviest weight you can lift with your right arm.

*Guaranteed constraints:*

$0 \leq \text{yourRight} \leq 20$  .

- **[input] integer friendsLeft**

A non-negative integer representing the heaviest weight your friend can lift with his or her left arm.

