Description

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.

Hints

- None

Input/Output

- **[time limit] 4000ms (js)**
- **[input] integer yourLeft**

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

Guaranteed constraints:

$0 \leq yourLeft \leq 20$.

- **[input] integer yourRight**

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

Guaranteed constraints:

$0 \leq yourRight \leq 20$.

- **[input] integer friendsLeft**

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

Guaranteed constraints:

$0 \leq friendsLeft \leq 20$.

- **[input] integer friendsRight**

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

Guaranteed constraints:

$0 \leq friendsRight \leq 20$.

- **[output] boolean**

true if you and your friend are equally strong, false otherwise.