

Your tests were not enough!

If I provide

**small = 2**

**big = 3**

**total = 17**

It returns -1, but it should be 2!





The total is higher than the amount of small and big bars.

Ex: small = 1, big = 1, total = 10



Only big bars.

Ex: small = 5, big = 3, total = 10




Need for big and small bars.

Ex: small = 5, big = 3, total = 17



Only small bars.

Ex: small = 4, big = 2, total = 3

  
(2,3,17)



Need for big and small bars.

**small = 2**, big = 3, total = 17

Hmm, with these inputs,  
**small = 2** is on the  
boundary of the required  
number of small bars!



# Boundary Testing

**small = 0**, big = 3, total = 17, = -1

**small = 1**, big = 3, total = 17, = -1

.....

**small = 2**, big = 3, total = 17, = 2

**small = 3**, big = 3, total = 17, = 2



The total is higher than the amount of small and big bars.

Ex: small = 1, big = 1, total = 10

small = 1, big = 1, **total = 5**, = 0

small = 1, big = 1, **total = 6**, = 1



small = 1, big = 1, **total = 7**, = -1

small = 1, big = 1, **total = 8**, = -1



Only big bars.

Ex: small = 5, big = 3, total = 10

small = 5, **big = 0**, total = 10, = -1

small = 5, **big = 1**, total = 10, = 5



small = 5, **big = 2**, total = 10, = 0

small = 5, **big = 3**, total = 10, = 0



Need for big and small bars.

Ex: small = 5, big = 3, total = 17

**small = 0**, big = 3, total = 17, = -1

**small = 1**, big = 3, total = 17, = -1



**small = 2**, big = 3, total = 17, = 2

**small = 3**, big = 3, total = 17, = 2

**small = 2**, big = 3, **total = 14**, = -1

**small = 3**, big = 3, **total = 14**, = -1



**small = 4**, big = 3, **total = 14**, = 4

**small = 5**, big = 3, **total = 14**, = 4



Only small bars.

Ex: small = 4, big = 2, total = 3

small = 4, big = 2, total = 3, = 3

small = 3, big = 2, total = 3, = 3



small = 2, big = 2, total = 3, = -1

small = 1, big = 2, total = 3, = -1