

The brute-force approach to solve this problem is to generate every possible set of pairs of riders and to determine the total speed that each of these sets generates. This solution does

Try looking at the input arrays in sorted order. How might this help you solve the problem?

Hint 3

When generating the maximum total speed, you want to pair the slowest red-shirt riders with the fastest blue-shirt riders and vice versa, so as to always take advantage of the largest speeds. When generating the minimum total speed, you want to pair the fastest red-shirt riders with the fastest blue-shirt riders, so as to "eliminate" a large speed by pairing it with a another large (larger) speed.

Hint 4

Sort the input arrays in place, and follow the strategy discussed in Hint #3. With the inputs sorted, you can find the slowest and largest speeds from each shirt color in constant time.

Optimal Space & Time Complexity

O(nlog(n)) time | O(1) space - where n is the number of tandem bicycles

Your Solutions

Solution 1

10

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22 # Kunal Wadhwa

Solution 2 Solution 3

def tandem_bicycle(red, blue, fastest):

red.sort(reverse=True)

for idx in range(len(red)):

for idx in range(len(red)):

result += max(red[idx], blue[idx])

result += max(red[idx], blue[idx])

17 def tandemBicycle(redShirtSpeeds, blueShirtSpeeds, fastest)

return tandem_bicycle(red, blue, fastest)

if fastest is True:

blue.sort()

result = 0

red.sort() blue.sort()

result = 0

return result

red = redShirtSpeeds

24 # https://github.com/kunal5042

25 # https://leetcode.com/kunal5042/

26 # https://www.hackerrank.com/kunalwadhwa cs

27 # https://www.linkedin.com/in/kunal5042/

blue = blueShirtSpeeds

return result





Run Code



17 / 17 test cases passed. Test Case 1 passed!

Test Case 3 passed!



Yay, your code passed all the

test cases!

Submit Code

Test Case 4 passed!	▼

Test Case 6 passed!	

/	Test Case 8 passed!	

Test Case 7 passed!

/	Test Case 9 nassedl	

Test Case 11 passed!

/	Test Case 12 passed!	
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/	Test Case 13 passed!	







