

Description

Solution

Submissions

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Python

Autocomplete

i {} ↺ ↻ ⌂

1167. Minimum Cost to Connect Sticks

Medium

👍 251

💬 75

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You have some `sticks` with positive integer lengths.

You can connect any two sticks of lengths `X` and `Y` into one stick by paying a cost of `X + Y`. You perform this action until there is one stick remaining.

Return the minimum cost of connecting all the given `sticks` into one stick in this way.

Example 1:

Input: `sticks = [2,4,3]`

Output: 14

Example 2:

Input: `sticks = [1,8,3,5]`

Output: 30

Constraints:

- `1 <= sticks.length <= 104`
- `1 <= sticks[i] <= 104`

Accepted 21,735 | Submissions 35,161

Seen this question in a real interview before?

Yes

No

Contributor



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```
1 class Solution(object):
2     def connectSticks(self, sticks):
3         """
4         :type sticks: List[int]
5         :rtype: int
6         """
7
```