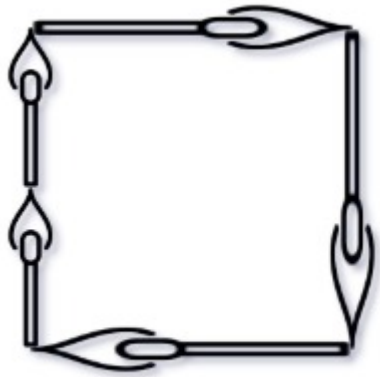
473. Matchsticks to Square

Medium 2308 170 Add to List Share

You are given an integer array `matchsticks` where `matchsticks[i]` is the length of the `i^th` matchstick. You want to use **all the matchsticks** to make one square. You **should not break** any stick, but you can link them up, and each matchstick must be used **exactly one time**.

Return `true` if you can make this square and `false` otherwise.

Example 1:



```
Input: matchsticks = [1,1,2,2,2]
Output: true
Explanation: You can form a square with length 2, one side of the square came two sticks with length 1.
```

Example 2:

```
Input: matchsticks = [3,3,3,3,4]
Output: false
Explanation: You cannot find a way to form a square with all the matchsticks.
```

Constraints:

C++

```
2  public:
3      bool ca
   vector<int>
   long int> &
   tar){
4          if(
5
   && sides[1]
   == tar && s
6
7
8
9          }
10         for
11
   nums[pos] <
12
   nums[pos];
13
   nums, sides
14
   nums[pos];
15
16         }
17         ret
18     }
19
20     bool ma
   matchsticks
21         int
   matchsticks
22         lon
23         for
24
   matchsticks
25         }
26
27         if(
   false;
28         if(
29
30         lon
   sum/4;
31         vec
```

Testcase Run Code Re

Accepted Runti

Your input [1,

Output tru

Expected tru