

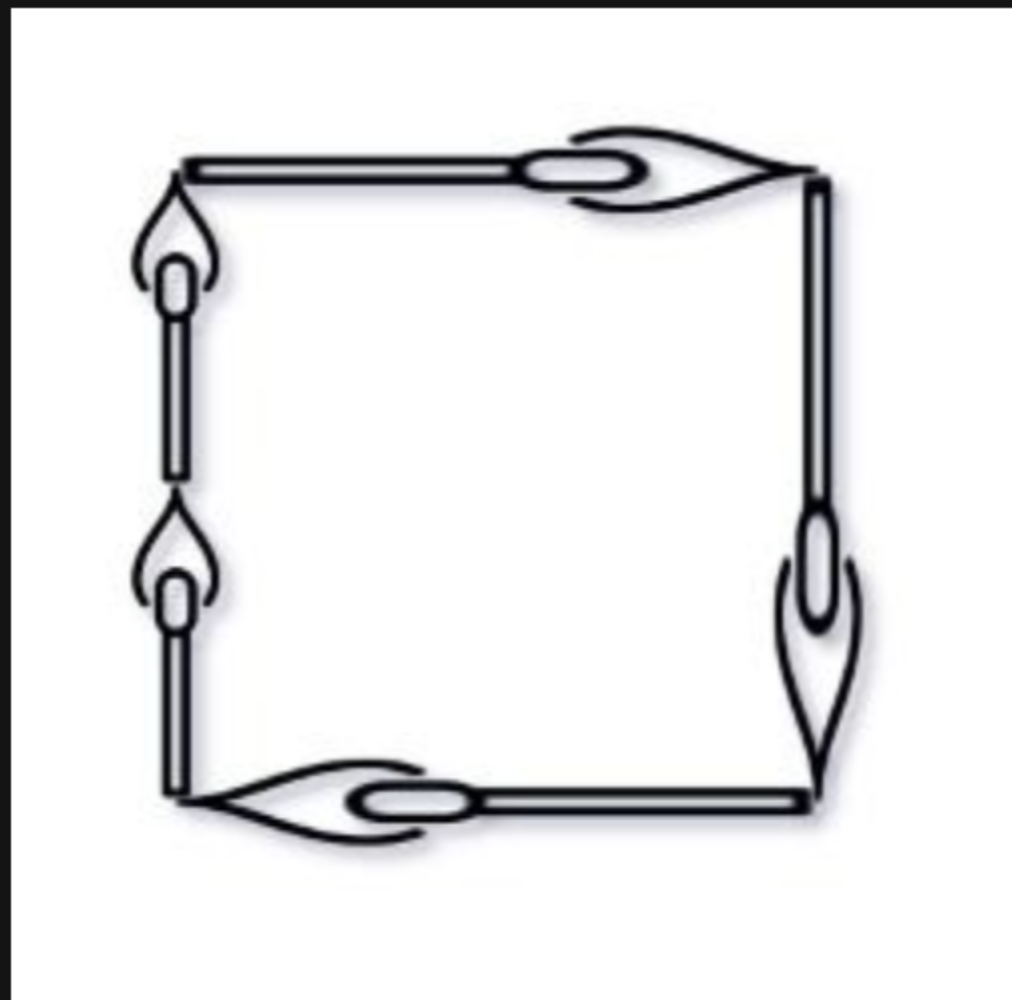
473. Matchsticks to Square

Description

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:

- `1 <= matchsticks.length <= 15`
- `1 <= matchsticks[i] <= 10^8`

