@LeetCode

Given an array of integers `nums` and a positive integer `k`, find whether it's possible to divide this array into `k` non–empty subsets whose sums are all equal.

Example 1:

Input: nums = [4, 3, 2, 3, 5, 2, 1], k = 4

Output: True

Explanation: It's possible to divide it into 4 subsets (5), (1, 4), (2,3), (2,3) with equal sums.

Note:

- $1 <= k <= len(nums) <= 16$.
- $0 < nums[i] < 10000$.