Given an array of integers arr of even length n and an integer k.

We want to divide the array into exactly n / 2 pairs such that the sum of each pair is divisible by k.

Return *True* If you can find a way to do that or *False* otherwise.

**Example 1:**

**Input:** arr = [1,2,3,4,5,10,6,7,8,9], k = 5

**Output:** true

**Explanation:** Pairs are (1,9),(2,8),(3,7),(4,6) and (5,10).

**Example 2:**

**Input:** arr = [1,2,3,4,5,6], k = 7

**Output:** true

**Explanation:** Pairs are (1,6),(2,5) and(3,4).

**Example 3:**

**Input:** arr = [1,2,3,4,5,6], k = 10

**Output:** false

**Explanation:** You can try all possible pairs to see that there is no way to divide arr into 3 pairs each with sum divisible by 10.

**Example 4:**

**Input:** arr = [-10,10], k = 2

**Output:** true

**Example 5:**

**Input:** arr = [-1,1,-2,2,-3,3,-4,4], k = 3

**Output:** true

**Constraints:**

* arr.length == n
* 1 <= n <= 10^5
* n is even.
* -10^9 <= arr[i] <= 10^9
* 1 <= k <= 10^5