Leet Code

Day-45 Q-05 X of a Kind in a Deck of Cards

In a deck of cards, each card has an integer written on it.

Return true if and only if you can choose X >= 2 such that it is possible to split the entire deck into 1 or more groups of cards, where:

- Each group has exactly X cards.
- All the cards in each group have the same integer.

Example 1:

```
Input: deck = [1,2,3,4,4,3,2,1]

Output: true

Explanation: Possible partition [1,1],[2,2],[3,3],[4,4].
```

Example 2:

```
Input: deck = [1,1,1,2,2,2,3,3]

Output: false´

Explanation: No possible partition.
```

Example 3:

```
Input: deck = [1]

Output: false

Explanation: No possible partition.
```

Example 4:

```
Input: deck = [1,1]

Output: true

Explanation: Possible partition [1,1].
```

Example 5:

```
Input: deck = [1,1,2,2,2,2]

Output: true

Explanation: Possible partition [1,1],[2,2],[2,2].
```

Constraints:

- 1 <= deck.length <= 10^4
- 0 <= deck[i] < 10^4