1338. Reduce Array Size to The Half

Description

You are given an integer array `arr`. You can choose a set of integers and remove all the occurrences of these integers in the array.

Return *the minimum size of the set so that **at least** half of the integers of the array are removed*.

Example 1:

```
Input: arr = [3,3,3,3,5,5,5,2,2,7]
Output: 2
Explanation: Choosing {3,7} will make the new array [5,5,5,2,2] which has size 5 (i.e equal to half of the size of the old array).
Possible sets of size 2 are {3,5},{3,2},{5,2}.
Choosing set {2,7} is not possible as it will make the new array [3,3,3,3,5,5,5] which has a size greater than half of the size of the old array.
```

Example 2:

```
Input: arr = [7,7,7,7,7,7]
Output: 1
Explanation: The only possible set you can choose is {7}. This will make the new array empty.
```

Constraints:

- `2 <= arr.length <= 10^5`
- `arr.length` is even.
- `1 <= arr[i] <= 10^5`