

904. Fruit Into Baskets



Medium



3.2K

235



Companies

You are visiting a farm that has a single row of fruit trees arranged from left to right. The trees are represented by an integer array `fruits` where `fruits[i]` is the **type** of fruit the i^{th} tree produces.

You want to collect as much fruit as possible. However, the owner has some strict rules that you must follow:

- You only have **two** baskets, and each basket can only hold a **single type** of fruit. There is no limit on the amount of fruit each basket can hold.
- Starting from any tree of your choice, you must pick **exactly one fruit** from **every** tree (including the start tree) while moving to the right. The picked fruits must fit in one of your baskets.
- Once you reach a tree with fruit that cannot fit in your baskets, you must stop.

Given the integer array `fruits`, return *the **maximum** number of fruits you can pick*.

Example 1:

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

Output: 3

Explanation: We can pick from all 3 trees.

Example 2:

Input: `fruits = [0,1,2,2]`

Output: 3

Explanation: We can pick from trees `[1,2,2]`.

If we had started at the first tree, we would only pick from trees `[0,1]`.

Example 3:

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

Output: 4

Explanation: We can pick from trees `[2,3,2,2]`.

If we had started at the first tree, we would only pick from trees `[1,2]`.

Constraints:

- $1 \leq \text{fruits.length} \leq 10^5$
- $0 \leq \text{fruits}[i] < \text{fruits.length}$