

# Problem 605: Can Place Flowers

## Problem Information

**Difficulty:** Easy

**Acceptance Rate:** 29.00%

**Paid Only:** No

**Tags:** Array, Greedy

## Problem Description

You have a long flowerbed in which some of the plots are planted, and some are not. However, flowers cannot be planted in \*\*adjacent\*\* plots.

Given an integer array `flowerbed` containing `0`'s and `1`'s, where `0` means empty and `1` means not empty, and an integer `n`, return `true` \_if\_ `n` \_new flowers can be planted in the\_ `flowerbed` \_without violating the no-adjacent- flowers rule and\_ `false` \_otherwise\_.

**Example 1:**

**Input:** flowerbed = [1,0,0,0,1], n = 1 **Output:** true

**Example 2:**

**Input:** flowerbed = [1,0,0,0,1], n = 2 **Output:** false

**Constraints:**

\* `1 <= flowerbed.length <= 2 \* 104` \* `flowerbed[i]` is `0` or `1`. \* There are no two adjacent flowers in `flowerbed`. \* `0 <= n <= flowerbed.length`

## Code Snippets

**C++:**

```
class Solution {  
public:  
    bool canPlaceFlowers(vector<int>& flowerbed, int n) {  
  
    }  
};
```

**Java:**

```
class Solution {  
public boolean canPlaceFlowers(int[] flowerbed, int n) {  
  
}  
}
```

**Python3:**

```
class Solution:  
    def canPlaceFlowers(self, flowerbed: List[int], n: int) -> bool:
```