

# 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:
```