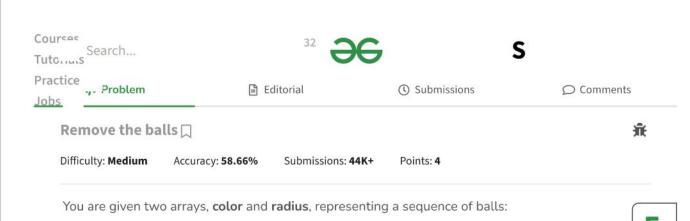
## Remove the balls

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• color[i] is the color of the i-th ball.



If two **consecutive** balls have the **same color** and **radius**, remove them both. Repeat this process until no more such pairs exist.

Return the number of balls remaining after all possible removals.

## **Examples:**

Input: color[] = [2, 3, 5], radius[] = [3, 3, 5]
Output: 3
Explanation: All the 3 balls have different colors and radius.

**Input:** color[] = [2, 2, 5], radius[] = [3, 3, 5]

Output: 1

**Explanation**: First ball and second ball have same color 2 and same radius 3. So, after removing only one ball is left. It cannot be removed from the array. Hence, the final array has length 1.

## **Constraints:**

 $1 \le \text{color.size()} = \text{radius.size()} \le 10^5$ 

 $1 \le \text{color}[i] \le 10^9$ 

 $1 \le \text{radius}[i] \le 10^9$ 

Try more examples

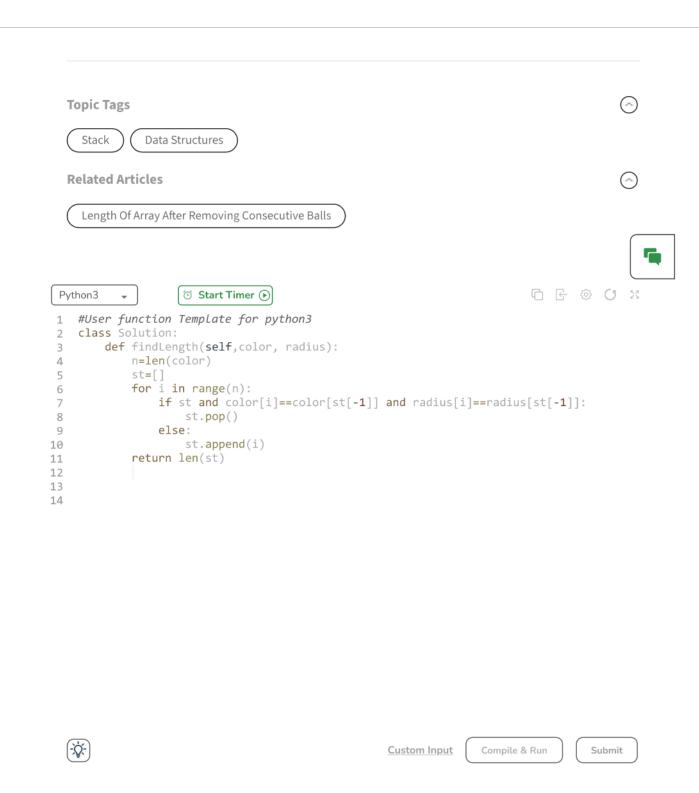
## **Expected Complexities**

 $\bigcirc$ 

Time Complexity: O(n)

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