Problem 1124: Longest Well-Performing Interval

Problem Information

Difficulty: Medium
Acceptance Rate: 36.54%
Paid Only: No
Tags: Array, Hash Table, Stack, Monotonic Stack, Prefix Sum

Problem Description

We are given `hours`, a list of the number of hours worked per day for a given employee.

A day is considered to be a _tiring day_ if and only if the number of hours worked is (strictly) greater than `8`.

A _well-performing interval_ is an interval of days for which the number of tiring days is strictly larger than the number of non-tiring days.

Return the length of the longest well-performing interval.

Example 1:

Input: hours = [9,9,6,0,6,6,9] **Output:** 3 **Explanation:** The longest well-performing interval is [9,9,6].

Example 2:

Input: hours = [6,6,6] **Output:** 0

Constraints:

* `1 <= hours.length <= 104` * `0 <= hours[i] <= 16`

Code Snippets

C++:

```cpp
class Solution {
public:
int longestWPI(vector<int>& hours) {


}
};
```

Java:

```java
class Solution {
public int longestWPI(int[] hours) {


}
}
```

Python3:

```python
class Solution:
def longestWPI(self, hours: List[int]) -> int:
```