**Time Complexity**

**#include "Non-RecursiveCandels.h"**

**int non\_recursive\_birthdayCakeCandles(int \*candles, int n) {**

**int max\_height = candles[0];**  ------🡪O(1)

**int max\_count = 1;** **------🡪O(1)**

**int count = 0;**

**for (int i = 1; i < n; i++) {** ------🡪O(n)

**if (candles[i] > max\_height) { ------🡪O(1)**

**max\_height = candles[i];**

**max\_count = 1;**

**} else if (candles[i] == max\_height) {------🡪O(1)**

**max\_count++;**

**}**

**}**

**return max\_count; ------🡪O(1)**

**}**

**Time Complexity : T(n) = O(n)**