**Time Complexity**

#include "Non-RecursiveCandels2.h"

int non\_recursive\_birthdayCakeCandles2(int \*candles, int n) {

if (n <= 0) { ------🡪O(1)

return 0;

}

int max\_count = 0;

int max\_height = candles[0];

// Find the maximum height

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

if (candles[i] > max\_height) {

max\_height = candles[i];

}

}

// Count occurrences of the maximum height

for (int i = 0; i < n; i++) {------🡪O(n)

if (candles[i] == max\_height) {

max\_count++;

}

}

return max\_count; ------🡪O(1) }

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