**Time Complexity**

#include "Non-RecursiveCandels2.h"

int birthdayCakeCandle(int \*candles,int n){ ----------🡪**O(1)**

if(n<=0){ -------🡪O(1)

return 0;

}

int maxCount = 0;

int maximumHeight = candles[0];

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

int count = 1;

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

if (candles[i] == candles[j]) {

count++;}

}

if (count>maxCount) { ------🡪**O(1)**

maxCount=count;

maximumHeight=candles[i];}

}

return maxCount;

}

*T*(*n*)=*O*(1)+*O*(1)+*n*  x n +*O*(1) = O(1) + O(1) + n^2 = O(n^2)