Find the time complexity of following scenarios.

a) for(i=0;i<=n;i++)--O(n)

for(j=0;j<=n; j++)-O(n)

printf("hi")

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

=O(n^2)

b) for(i=0;i<=n; i\*=2)---O(log(n))

for(j=0;j<=n; j++)---O(n)

print("Hello")

Time Complexity T(n)=O(log(n))\*O(n)

=O(log(n)\*n)