Data Structures & Algorithms

Description of the time complexity for the following scenarios.

a) for (i=1; i<=0; i+t)
$$\rightarrow$$
 inner loop and for in times for (j=i; j<=0; j+t) \rightarrow inner loop number in times $\frac{1}{2}$ (i's value)

Print ("Hr"); i (outer loop number in times)

 $\frac{1}{2}$ (i'=1; i<=0; i*t=3)

for (j=1; j<=0; j*t+)

Print ("Hello");

Time complexity = 1+3+9+2++--0

Time complexity = 1+3+9+2+--0

Time complexity = 3+3+3+3+3+--3togn

 $\frac{1}{2}$ $\frac{1}{2}$