Andy Park Problem 3: Runtine Analysis $\leq \log(\Theta h) = k < \log(\log(\Theta(h)))$ T(n) = log(log(O(n))) $\left(\sum_{k=0}^{\frac{3}{2}-1} \Theta(1)\right)$ norst case if = 0(1 bgent1) Ke leg(h)+1 0124816 2°2'222324 => 2K-1 $= \underbrace{2} \left(O(n) + O(\log(n)) \right)$ T(n)=0(n2)+0(nlog(n))=0(n2)

