Let P(n)= 8k and Pet noxk f(n)=0(n fog 15-2) is true for &=270 choosing n=>k=> n4-2= n2 and O(n2)= f(W=sk Since h2>K=> 8K < C.K < cn=0(n) x here exe choose sufficiently targe c (CZ8) T(n)=1GT(\frac{h}{a}) + 8k=1GT(\frac{n}{a}) + f(n) for ha>k and f(n)=0 (n log216-8) with 2=270 f(n)=8K < C· K < C· h2 = O(n2) = O(n2)=0(n2)=0(n2) So, By moster's theorem for cose 1, $T(n) = H(n^{\log_2 l_6}) = H(n^4)$ $T(n) = \Omega(n4)$ T(n)= k for n < k is just smaller cases, we should not bother about it at aff