T(n) = 3T(n/3) + n1=n ->nlog n=K Sub Mothered T(n) = 3T(3)+n 3cn/3/0g(2)+n cnlogn-cnta2+n Chlogh = 2 $\pi = 2 + 10094^2 - 10.5$ $6 = 4 + 10094^2 - 10.5$ f(n) = 1 = 100 + 1000The answer is $\theta(n^{0.5}) = Ten$ a=2 $n \log 2 - n^{0.5}$ According to the master b=y $f(n) = \sqrt{n} - n^2$ $T(n) = \Theta(n^{0.5} \log(n^{0.5}))$ According to the nuster Thin Ten = O(n) 2. $2T(n/4)+n^2$ $\alpha = 2$ $10yy^2 = n^2 \cdot 5$ 6 = 4According to the Muster Than
T(n) - O(n2) $f(n)=n^2$