Substitution, Approved T(h) = 2T(n/2) + n. 2-T2T(h/1)+1 $T(n) = \begin{cases} 1 & \text{if } n = 1 \\ 7 & 2 T(n/2) + n & \text{if } n > 1 \end{cases}$ = 2[27(h/4)+h/2]+n, 6 --T/n/2)= 2T(n/4)+n/2-= 2[2T(n/4)+n/2]+n. = 4 T(n/4)+n+n - 4T(M/6)+2n, = 2 T(n/22)+2n, $j_{k} = y$: K=109 M $=2^{k}+(n/2k)+kn$ = n+T(1)+logz. h) = n+1+legn.h, = n+n.logn. =70(n/m)

