T(n) =
$$a T \left(\frac{m}{b}\right) + o(nd)$$
 $d > \log_{b} q$
 $o(nd) g_{0}$
 $d > \log_{b} q$
 $d > \log_{b} q$

-total time complexity = 0 (md) x (1-(2)) * In a GiP, first term downed whon side of 1 $= \frac{q}{d} \times 1 = \frac{1}{2} d \times \log_{3} q$ $\Rightarrow \bot(\omega) = o(\omega)$ 1 < re modern dominates when on >1

Second = (n) + (n) = m of when n=1, the formula doesn't holds. All terms one equal so > T(n) = 57 to 0 (nd) = (1+ a log on) 0 (nd) =) T(n): 0 (nd log n)