T(n) = 2T(
$$\frac{m}{2}$$
) + $\Theta(\frac{m}{L\sigma_0(n)})$

T(1) = $\Theta(1)$

motive illustration

T(n) = $2\left[2T(\frac{m}{2}) + \Theta(\frac{m}{2}\log(\frac{n}{2}))\right] + \Theta(\frac{m}{L\sigma_0(n)})$

T(m) = $2^{K}T(\frac{m}{2^{K}}) + \sum_{i=0}^{K-1} 2^{i}\Theta(\frac{m}{2^{i}}\log(\frac{m}{2})) + \sum_{n=0}^{K-1} K = \log_{n}(n)$

T(n) = $2^{\log_{n}(n)}\Theta(1) + \sum_{i=0}^{2^{i}} 2^{i}\Theta(\frac{m}{2^{i}}\log(\frac{m}{2}))$

T(n) = $\Theta(n) + \Theta(n) \sum_{i=0}^{k} \frac{2^{i}}{2^{i}}\log(\frac{n}{2})$

T(n) = $\Theta(n) + \Theta(n) \sum_{i=0}^{k} \frac{2^{i}}{\log_{n}(n-1)} \frac{2^{i}}{\log_{n}(n-1)}$

T(n) = $\Theta(n) + \Theta(n) \sum_{i=0}^{k} \frac{2^{i}}{\log_{n}(n-1)} \frac{2^{i}}{\log_{n}(n-1)} \frac{m}{(m-n)^{*}(n-1)^{*}} \frac{m}{(m-n)^{*}} \frac{m}{(m-n)$

 $Kn log(log(\frac{M}{2})) + (M \leq Km log(log(A)))$ Km log (log (n) -1) + CM = Km log (log (4)) K loy (log(n)-1) + C ≤ K log (log(n))