```
Nama: Auliga M
NIM: 240601/8130077
 (1) T(n) = 69
b+nT(n-1), n>0
      T(n) = b + n (Cn-1)
               = b + n (b+(n-1)T(n-2)) = b+ nb+(n2n)(T(n-2))
                 = b + nb + (n^2 - n)(b + (n-2)T(n-2))
= b(1+n-n+n^2) + n(n-1)(n-2).T(n-3)
                 = b(1+n^{n-1})+n!T(0)
= b(1+n^{n-1})+a.n!
         T(n)= O(n!)
(2a) \( \text{Algo1} \)
T(n) = \{0, n = 1 \}
\begin{cases} 1, n = 2 \\ n - 1, n > 2 \end{cases}
T(n) = \{0, n = 1 \}
                                                                           b) Algoritma Kedya
                                                                     yang lebih mang Kus Warena
                                                                         0(2/09n) < 0(n)
   XA|_{9} = \{0, n=0\} = \{1+T(\frac{1}{2}), n\}_{0}
             T(n)=1+T(Ln/21)
                     = 1 + (1 + T(Ln/41)= 2+T(L n/41)
                     - 3+T(Ln/8])
   \begin{array}{c|c} = & k + T(L^{\eta}/2^{k}) \\ \hline \\ n/2^{4} = 1 & - > & log(n/2^{4}) = log 1 \\ \hline \\ log n - & klog 2 = 0 \end{array} 
                             K = \frac{\log n}{\log n} - 2\log n
   Sehingg a
                     T(n) = L^{2} \log n + T(1)
= L^{2} \log n + h
                       T(n) = 0 (20gn)
                                                                                                    (GELATIK)
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