```
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) \times Algo 1

T(n) = \{0, n=1 \\ 1, n=2 \\ n-1, n>2

T(n) = O(n)
                                                                       b) Algoritma Kedya
                                                                 yang lebih mang Kus Karena
                                                                     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(Ln/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)
```