



```
T(n) = T(n-1) + T(n-2) + ... + T(n-k)
                                                          T(0)=10
                                                           T(1)-15
            T(n) = 47(n-2) +8 T(n-2) +16 T(n-3)
                                                           T(z)=22
T(1)=Y1
          Yn = 4 1 1 + 8 1 1 - 16 1 1 - 3
          \frac{1}{10^{-3}} \frac{1}{10^{-3}} \frac{1}{10^{-3}} \frac{1}{10^{-3}} \frac{1}{10^{-3}} \frac{1}{10^{-3}} \frac{1}{10^{-3}} \frac{1}{10^{-3}} \frac{1}{10^{-3}} \frac{1}{10^{-3}}
         10 = 4 × 0 × -3 × 0 × -3 × 0 × -3 × 0 × -3
           Y3 =4Y2 +8Y1- 6
           Y3-41-811-16=0
T(0) = A(r_1)^0 + B(r_2)^0 + C(r_3)^0
     (n) = A(4.96)^{3} + B(-2.34)^{3}
              + ((137))
T(0)=10
T(1)-15
                10= A+ B+C
T(2)=22
               1 S= 4,96A - 2.34B + 1.37C
                22- (4,96)2 A + (-2.34)2B + (1.37)C
     [0.17140459 -0.18454381 10.01313922]
   T(n)= 0.17(4.96)-0.184(-2.34) +10.01(1.37)
```