Assignment 1 while i72: i = ilas peint (i) Soln > Herr i = n we do superatition like かなり かから2 → 内から3 n 25h = 2 -> Stopping Crituia Taking logs loja (næsk) = loja2 In loge h = 1 logon = 25k again taking log 25 loges logen = kloges 25 K = loggs (logg n) So the time Complexity is O (log(log n))

```
1= 29
       While ixn:
            1 = 123
         point (i)
Soh: - Repeatition will be like

(29) 3 -> (29) 23 -> (29) 23
                                             (29)23 k
   (29)23t = n > stopping conteria
  laking logn
   logn 2920 = logn n
  23 hogn 29 = 1
                              O(loghlogn))
   k = lag 23 (log 29 n) ->
    while i < n:
         i= 3 x i } , Simplified i = 6 x i
          C = 6 × 6
          C = 6×36
    Simply it wil be > lay 6h
                  O(lyn)
```