P3) Algor Hhn!

 $n - t_0 - 1(n)$ {

if (n=1) return nif n%3 = 3 $n = a/\frac{3}{3}$ $n - t_0 - 1(n/3)$ if n%2 = 3 $n = n - t_0 - 1(n/2)$ else are $n = n - t_0 - 1(n-1)$ return n

Runblae Loolyski Add O(1) greators sake O(1) Proof: Be! n==/ we return I and done THI assume truefor all imputs Is either in is divisible by 3, by 2, or we subbrack I 1) n %3=0 we recursively cal fanc so 17 343 n is divisible by 3 all the cary to I which causes less garcabiens to be run than it we were to divide by 2 2) nº62 == 0 in the event nisnever divinite by 3 are can divide by 2 until n==1 if nis along divisible by 2 3) n-1 we some divide subtract one from a last some according to archart likely to use this, this is used as afailsafe in which we contiuse N3 or 1/2 Some minimize the number of stops greations for any n by wing the biggest decrerenter first