

8 March 2024

Collatz function:

$$\text{col}(n) = \begin{cases} 3n+1 & \text{if } n \text{ is odd} \\ \frac{n}{2} & \text{if } n \text{ is even} \end{cases}$$

HEIGHT of a Collatz trajectory:

max value of any term in the trajectory

$\text{height}(n) = \text{max value in the trajectory}$   
Starting with  $n$