

## 1 Collatz Sequence for $n = [INPUT]$

$$f(n) = \begin{cases} \frac{n}{2}, & n \bmod 2 = 0 \\ 3n + 1, & n \bmod 2 = 1 \end{cases}$$

Path for  $f([INPUT])$

$$f(n), n = [INPUT] \\ \Rightarrow 3(n) + 1$$

$\vdots$

$$f(n), n = 1 \\ \Rightarrow \frac{n}{2}$$

## 2 Credits and References Shit