$\begin{array}{l} \text{numpy} \\ \text{scipy} \\ \text{matplotlib} \\ f(x) \\ N = \\ \frac{\ln{(b-a) - \ln{(error)}}}{\ln{2}} \end{array}$

temp_l
$$f(x_n) = f(x_{n-1}) - \frac{f(x_{n-1})}{f'(x_{n-1})}$$

while while
$$x_{n+1} = x_n - \frac{f(x_n)(x_n - x_{n-1})}{f(x_n) - f(x_{n-1})}$$