$e^x = 3x + 4$ on $[0, 4]$

stopping criteria $\leq 0.001$

$f(x) = e^x - 3x - 4$

start: initial guesses $x_0 = 0$ $x_1 = 4$

itt1: $x_2 = x_1 - f(x_1) \cdot \frac{x_1 - x_0}{f(x_1) - f(x_0)}$

$x_2 = 4 - f(4) \cdot \frac{4 - 0}{f(4) - f(0)} = \underline{0.2885}$

$|x_1 - x_2| \not\leq 10^{-3} \rightarrow$ continue

itt2: $x_0 = 4$ $x_1 = 0.2885$

$x_2 = 0.2885 - f(0.2885) \cdot \frac{0.2885 - 4}{f(0.2885) - f(4)}$

$x_2 = \underline{0.5996}$ $|x_2 - x_1| \not\leq 10^{-3}$ continue

itt3: $x_0 = 0.2885$ $x_1 = 0.5996$

$x_2 = 0.5996 - f(0.5996) \cdot \frac{0.5996 - 0.2885}{f(0.5996) - f(0.2885)}$

$x_2 = -2.172$ $|x_2 - x_1| \not\leq 10^{-3} \rightarrow$ continue

itt4: $x_0 = 0.5996$ $x_1 = -2.172$