

$$f(x) = e^{-2x}(x-1) \rightarrow \underline{\underline{x=2}}$$

$$(x=1, f(x)=0 \Rightarrow \delta=1$$

$$g(x) = x + f(x) = \underline{x + e^{-2x}(x-1)}$$

$$x_0 = \underline{\underline{0.999}}$$

$$x_1 = g(x_0) = 0.99 + e^{-2 \times 0.99} (0.99 - 1) \\ = 0.9886$$

$$x_2 = g(x_1) = 0.9870$$

$$x_{27} = g(x_{26}) = \underline{\underline{0.1655}}$$

$$x_{28} = g(x_{27}) = -0.4338$$