ITER 0 1 2 3 4 5 6 ...

OUT (0.9) (0.18) (0.3) (0.42) (0.49) (0.5) (0.5)

Δ ×2

$g(x) = 2x(1-x)$

$x_0 = x_0 = 0.9$

$g(x_0) = 2(0.9)(1-(0.9))$
$= 0.18 = x_1$

$g(x_1) = 2(0.18)(1-(0.18))$
$= 0.3 = x_3$

$g(x_3) = 2(0.3)(1-(0.3))$
$= 0.42 = x_4$

$g(x_4) = 2(0.42)(1-(0.42))$
$= 0.49$
$= x_5$

$g(x_5) = 0.5$
$= x_6$

$g(x_6) = 0.5$

$\ln E_n \approx r \ln E_{n-1}$

$r \approx \frac{\ln E_n}{\ln E_{n-1}}$