h
$0 \leq t \leq 0.9$
$^2),$
$10 \leq t \leq 11 h = 0.2$
$x_{n+1} x_n x'(t) = \lambda x(t) x(0) = 1 \lambda = -10 h = 1/6 h = 1/12$
$x_1 x_2 x_3$
$(t_0, x_0)(t_1, x_1)(t_2, x_2)(t_3, x_3) x(t) = e^{\lambda t}$
$\lambda = -10 x_n > 0 n = 1, 2, 3, ...$
$^2, t > 0$
$x(0) = 1, x'(0) = 0$
$x(t_{n+1}) x'(t_{n+1}) x(t_n) x'(t_n)$
$y(t) = x'(t) y'(t) = x''(t)$
$^2 - 3y(t) - 2x(t) = t^2, y(0) = 0$
$_n), y(t_n), t_n) = y(t_n)$
$g(x(t_n), y(t_n), t_n) = (t_n)^2 - 3y(t_n) - 2x(t_n)$
$_{n+1} = x_n + hf(x(t_n), y(t_n), t_n)$
$y_{n-1} = y_n + hg(x(t_n), y(t_n), t_n)$
$^2 - y(t)$
$x(0) = 1 y(0) y(0)$
$y(0)$
$x(t_{n+1}) y(t_{n+1}) x(t_n) y(t_n)$
$_n), y(t_n), t_n) = y(t_n) - 2x(t_n)$
$g(x(t_n), y(t_n), t_n) = (t_n)^2 - y(t_n)$
$_{n+1} = x_n + hf(x(t_n), y(t_n), t_n)$
$y_{n-1} = y_n + hg(x(t_n), y(t_n), t_n)$
$x(t_2) h$
$e^x \geq 1 + x x \geq 0 e^t \geq 1 t \geq 0 0 \leq t \leq x x \geq 0$
$e^t \geq 1 0 \leq t \leq x$

$e^x \geq x + 1 x \geq 0$