```
ORTOGONALIZACIÓN.
Del modelo y= b0 + b1 lag(x).
                                                   · Del modelo fix) = a1+a2*exp(x)+
 N = length(y), function [] = ...(x,y)
                                                    93+ X. * exp(x).
 A = [ones(N,1), log(x)'] - A[modelo]
                                                    n = length(x).
 mat = A' * A
                                                   A = \text{Lones}(n, 1), \exp(x)', (x.*\exp(x))']
 vec = A' * y'
                                                    mat = A' * A
                                                   vec = A' * y'
 sol = mat luec.
                                                    sol = matluec.
 Del madelo 9 = (* exp(-t) + 0 * exp(-2t).
                                                  · Dadas cantidades:
 N=length(y),
                                                  0 0.25 1 2 3 4 5 6 7 8
 A = [exp(-x)', exp(-2*x)']
                                                                                    = dat
                                                 7.5 5.3 5.6 11.9 21 40 64 90 125 155
 mat = A' * A
                                                  x = dat(1, :); \rightarrow datos de x
 vec = A' * 4'
                                                 y= dat(2,:); → datas de y
 sol = matluec
                                                  n = length(x)
                                                 A = [ones(n,1),(x.^2)', exp(-x)']
 X1= linopace (x11), x(end));
                                                 mat = A+A
41 = 50((1) * exp(-x1) + 50(2) * exp(-2 * x1);
                                                 vec= A' * y'
 plot (x, y, '*', x1, y1).
                                                 sol=matluec
                                                 a=501(1); b=501(2); c=501(3);
metes a x,y como vector (los declaras).
x=[...], y=[...]
                                                 x1=linspace(x(1),x(end));
                                                 91= a + b+ x1. ^2 + c*exp (-x1);
LINEALIZACIÓN.
                                                 plot (x, y, "o", x1, y1), grid.
Del modelo 4=mx+b - 4=b*mx,
                                              • Del modelo y = ax \wedge b
            Y= a0 + a1 x
                                                N=length(y);
N = length(x);
                                                mat = [N] som(log(x));
                                                       sum(log(x)) sum(log(x).12)]
mat=[N
           sum (x);
      sum(x) sum(x.12)]
                                                vec = [sum(log(4)); sum(log(x).* log(4))]
vec = [sum(y); sum (x.*y)]
                                                sol=matluec.
sol = mat/vec.
                                                b = exp (sol(1))
                                                X_1 = linspace(X(1), x(end));
x_1 = \text{linspace}(x(1), x(end));
                                                91 = b* X1. 1501(2);
91 = sol(1) + sol(2) * x1;
                                                plot (x,y,'*', x1,41).
plot (x,y, "*', x1, y1)
Del modelo P=.b*explah).
                                              · Modelo hiperbolico.
N = length(x);
                                                N= length (4);
mat = [N
              sum(x);
                                                mat=[N
                                                                  sum (1./x);
       sum(x) sum(x.12)]
                                                       sum(1./x) sum(1./(x.^2))]
yec = [sum(log(y)); sum(x.*log(y))]
                                               vec=[sum(1./4); sum(1./(x.*4)]
                                                sol = matluec.
b = exp (sol(1));
                                                X1 = linspace (X(1), X(end));
x1 = linspace (x(1), x(ena));
                                                91 = X1./tsal(2) + sal(1) * X1);
91 = b* exp(sol(2) * x1);
                                                blof (x'a', o, x1'A1)
plot (x, y, 1 *1, x1, y1).
```