```
clc;
clear;
clear all;

lags = 1;

tf = 25;
t = linspace(0, tf, 10);


sol = dde23(@ddefunc, lags, @yhist, t);
sol2 = dde23(@ddefunc2, lags, @yhist, t);

t = sol.x;
y = sol.y;
t2 = sol2.x;
y2 = sol2.y;

figure(1);
plot(t, y);
hold on
plot(t2, y2);
hold off
title('The Solutions to Equation (3)')
xlabel('x')
ylabel('y(x)')
legend('\lambda = 1', '\lambda = 1.8','location','northwest')
grid



function dy = ddefunc(t, y, YL)

    lam = 1;

    dy = lam * y * (1 - YL);

end

function dy2 = ddefunc2(t, y, YL)

    lam = 1.8;
    dy2 = lam * y * (1 - YL);

end

function y = yhist(t)

    y = .5;


end
```