```matlab
clc; clear all; close all;
f =inline('(24-5*.25*v)/0.25','t','vc','v');
h = .01;
t = 0:h:2; v(1) = 0.01;
for i=1:length(t)-2
    v(i+1)=v(i)+f(t(i),v(i))*h;
end
plot(t,vc),xlabel('Time'),ylabel('vs');
```