

```

global V1 V2 K1 K2 u1 u2 R q

q=0.15;
V1=110;
V2=180;
K1=2.5;
K2=10;
R=15;
u2=100;
u1= 29;

%create vector and plot against each other using values for c1, c2, y

tt = 0:0.1:10;
x0 = [1;0;0];

[t,x]=ode45('modeltwo',tt,x0);

figure
plot(t,x)

```