

```
clear;

tend=200000;
IC=[10000,0,0,0,0,0,0];
[t,x]=ode45('SEIRTVW',[0,tend],IC);

for i=1:7
    subplot(2,4,i)
    plot(t./365,x(:,i));
end;
subplot(2,4,8)
plot(t./365,x);

ICnew=x(end,:)+[0,0,1,0,0,0,0]
[t,x]=ode45('SEIRTVW',[0,40],ICnew);

figure(2)
for i=1:7
    subplot(2,4,i)
    plot(t./365,x(:,i));
end;
subplot(2,4,8)
plot(t./365,x);
```