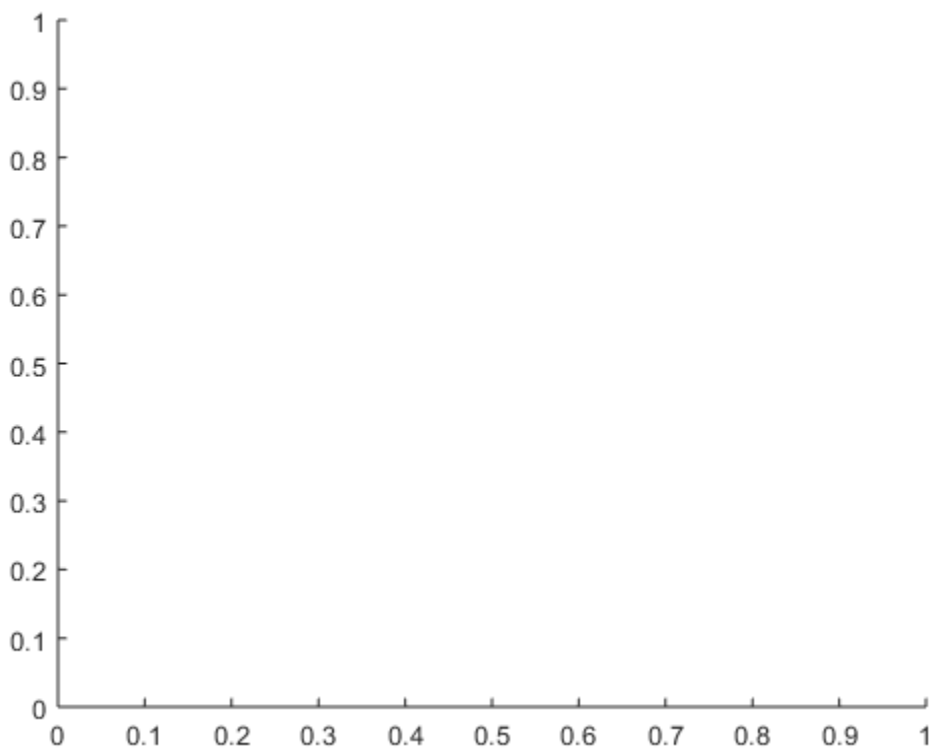

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`%See explanation`

```
clc; hold off
clear
```



Call Parameters

```
FinalParams;
```

Solve ODEs

```
time = [0,5000000];
init_con = [10 0 25];
options = odeset('NonNegative', [1 2]);
```

```

sol = ode15s(@(t,x)
    FinalODEs(t,x,r,v3,a3,gamma1,gamma2,delta1,delta2,p2,p3,c1,c2,cp,do,dt,mut),
    time, init_con, options);

Undefined function or variable 'FinalFeedbacks'.

Error in FinalODEs (line 8)
    FinalFeedbacks

Error in
    FINAL>@(t,x)FinalODEs(t,x,r,v3,a3,gamma1,gamma2,delta1,delta2,p2,p3,c1,c2,cp,do,d
Error in odearguments (line 90)
    f0 = feval(ode,t0,y0,args{:}); % ODE15I sets args{1} to yp0.

Error in ode15s (line 150)
    odearguments(FcnHandlesUsed, solver_name, ode, tspan, y0, options,
    varargin);

Error in FINAL (line 16)
sol = ode15s(@(t,x)
    FinalODEs(t,x,r,v3,a3,gamma1,gamma2,delta1,delta2,p2,p3,c1,c2,cp,do,dt,mut),
    time, init_con, options);

```

Plot

```

figure(1)
plot(sol.x,sol.y(2,:), '- ', sol.x, sum(sol.y(1:2,:)), '*- ');
legend('normal', 'cancer', 'total')

figure(2)
load o2data.mat o2_data;
plot(o2_data(:,1),o2_data(:,2));

%end

```

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