

```
+1 myfunc2.m x myfunc3.m x myfunc4.m x myfunc5_1.m x +
1 function [sys, x0, str, ts] = myfunc5_1(t,x,u,flag)
2 switch flag
3     case 0
4         [sys,x0,str,ts]=mdlInitializeSizes;
5     case 1
6         sys=mdlDerivatives(x,u,t);
7     case 3
8         sys=mdlOutputs(x,u,t);
9     case {2, 4, 9}
10        sys=[];
11    otherwise
12        error(['Unhandled flag = ', num2str(flag)]);
13 end
14 end

16 function [sys, x0, str, ts] = mdlInitializeSizes
17     sizes=simsizes;
18
19     sizes.NumContStates=1;
20     sizes.NumOutputs = 1;
21     sizes.NumInputs = 0;
22
23     sizes.NumDiscStates=0;
24     sizes.DirFeedthrough=0;
25     sizes.NumSampleTimes=1;
26     sys=simsizes(sizes);
27     str=[];
28     ts=[0 0];
29     x0= -0.0001;
30 end

32 function sys=mdlDerivatives(x,u,t)
33     sys= -x;
34
35 end

36 function sys=mdlOutputs(x,u,t)
37     sys=x;
38 end
```