```matlab
function [xdot] = plant2(t,x)

    M = 1; k = 1;

    if(x(2) < -1)
        F = 0.5*x(2)-0.5;
    elseif(-1 <= x(2) < 1)
        F = -x(2)-2;
    elseif(1 <= x(2) < 3)
        F = -x(2)+4;
    else % if x(2) >= 3
        F = 0.5*x(2)-0.5;
    end

    xdot(1) = x(2);
    xdot(2) = (1/M)*(-k*x(1) - F);
    xdot = xdot';
```

Not enough input arguments.

Error in plant2 (line 5)
*   if(x(2) < -1)*

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