

## HW6 #6, Walter Coe, 2/17/16

```
clear; clc;

[angles, angularRates, lengths, linearRates, points, p] = four_bar_slider([0 110 5 90], 1, [.5 .75
.375 .5], [0 0], 1);

Vout = angularRates(2)*1.25;
Vin = linearRates(4);

% Fin*Vin = Fout*Vout
% MA = Fout/Fin = Vin/Vout

MA = Vin/Vout;

disp(['Mechanical Advantage is: ', num2str(MA)]);
```

Equation solved.

fsolve completed because the vector of function values is near zero  
as measured by the default value of the function tolerance, and  
the problem appears regular as measured by the gradient.

Mechanical Advantage is: -0.43006

