Our constraint is that we want the end effector to move linear from (1,-1) to (2,2) over the time period 0 to T. We’ll have N-1 windows. n=1 is the starting point, n=N is the end point.

Notation:

Lengths:

Masses:

Gravity:

Nonlinear:

— We apply the same constraint, just with the final time point

Linearization:

At least for now we have no

Constraint for 3-link, stay on x=-1 line, end at x=-1,y=1

Nonlinear:

Linearization:

At least for now we have no

Another constraint option for 3-link, stay on x=-1 line, end at x=-1,y=1

Nonlinear:

Linearization:

At least for now we have no

Constraint for 3-link, stay on y=1 line

Nonlinear:

Linearization:

At least for now we have no