Our constraint is that we want the end effector to move linear from (1,-1) to (2,1) 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