Parameters for overshoot:

Feedforward Plus PI Feedback Control

#Initial End Effector Configuration wrt Space Frame
Tse_initial = [[0, 0, 1, 0], [0, 1, 0, 0], [-1, 0, 0, 0.5], [0, 0, 0, 1]]

#Initial Configuration of Cube wrt Space Frame
Tsc_initial = [[1, 0, 0, 1], [0, 1, 0, 0], [0, 0, 1, 0.025], [0, 0, 0, 1]]

#Final Configuration of Cube wrt Space Frame
Tsc_goal = [[0, 1, 0, 0], [-1, 0, 0, -1], [0, 0, 1, 0.025], [0, 0, 0, 1]]

Kp = 2
Ki = 0.89