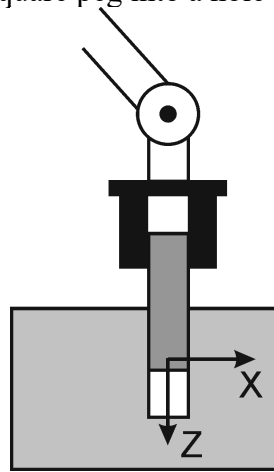


Assignment 7

- 1) We would like to insert a square peg into a hole with square cross section.



- a) Give the natural constraints present for sliding the peg into the hole.
- b) Give the artificial constraints you would suggest in order to slide the peg down into the hole with a constant desired speed of v_d without jamming.
- 2) Consider the robotic system analyzed in exercise 5. Compute the joint forces when applying a force ($F_x, F_y, F_z, T_x, T_y, T_z$) at the end effector (consider the general configuration).