

Using the computed 51, S2, S3, S41, S5, 66, S7, We can compute the final pose of the robot with the following equation

To= e[s1] 01 e[s2] 02 e[s3] 03 e[s4] 04 e[s5] 05 e [s6] 06 e[s7] 01 M

Where 01, 02, 03, 04, 05, 06 and 07 one inputs from the User.