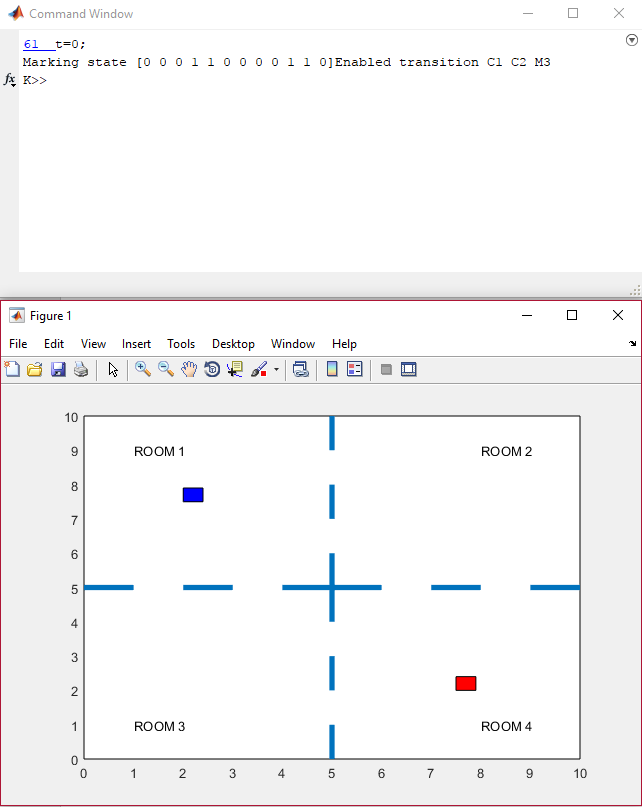
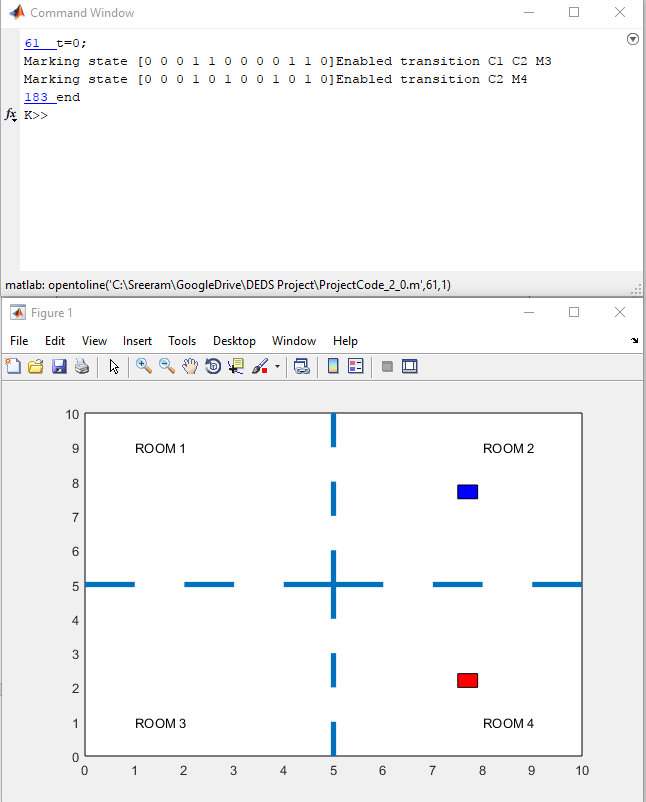
# **Step by step output**

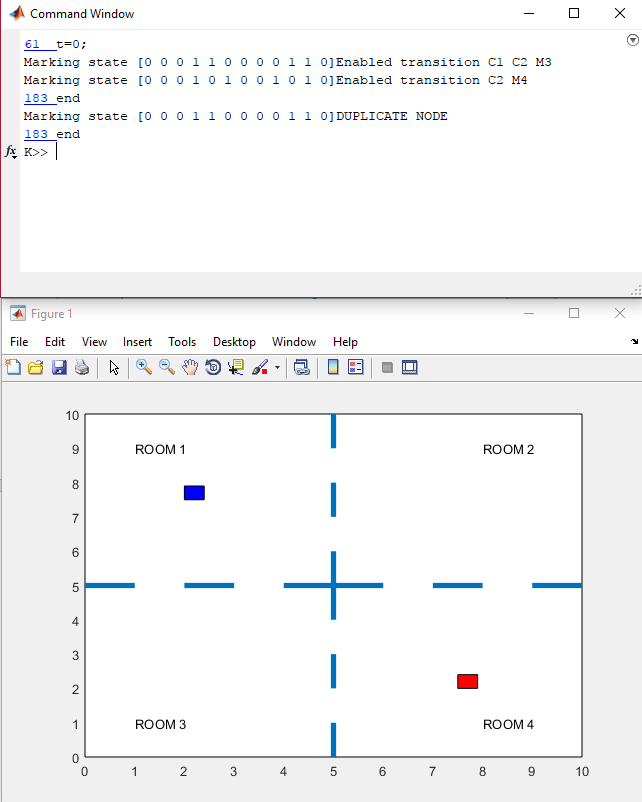
Step 1:



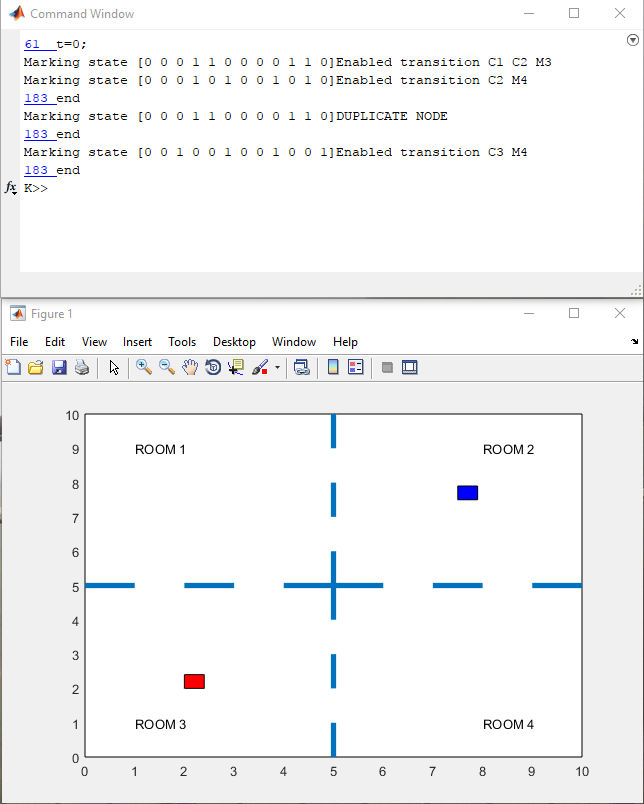
Step 2:



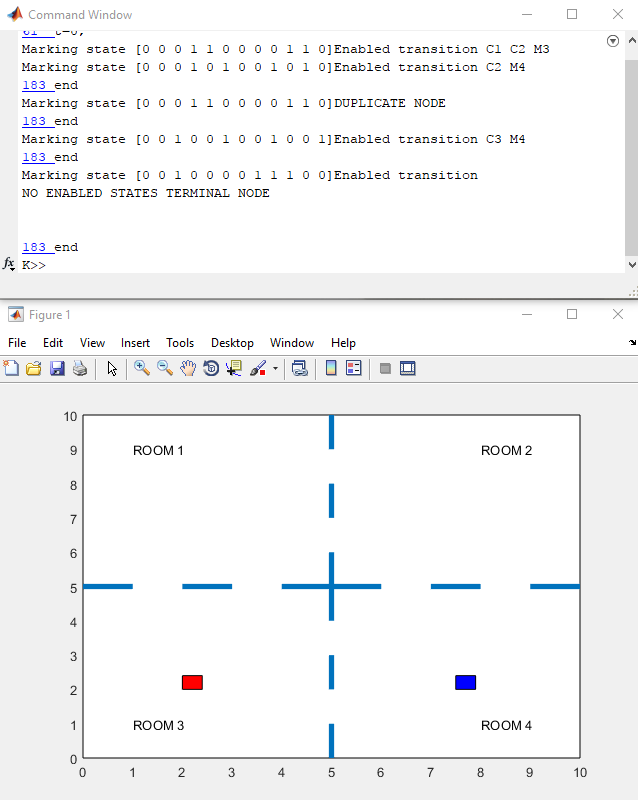
Step 3:



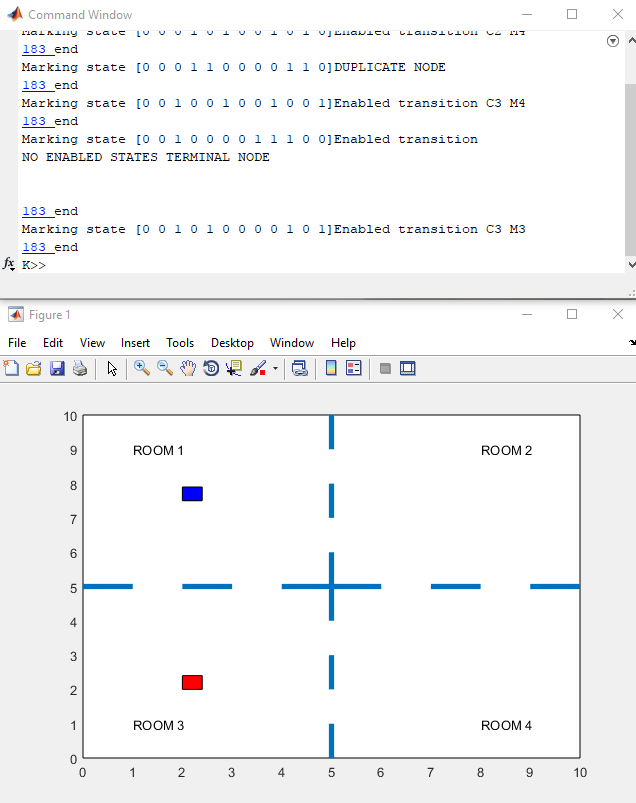
Step 4:



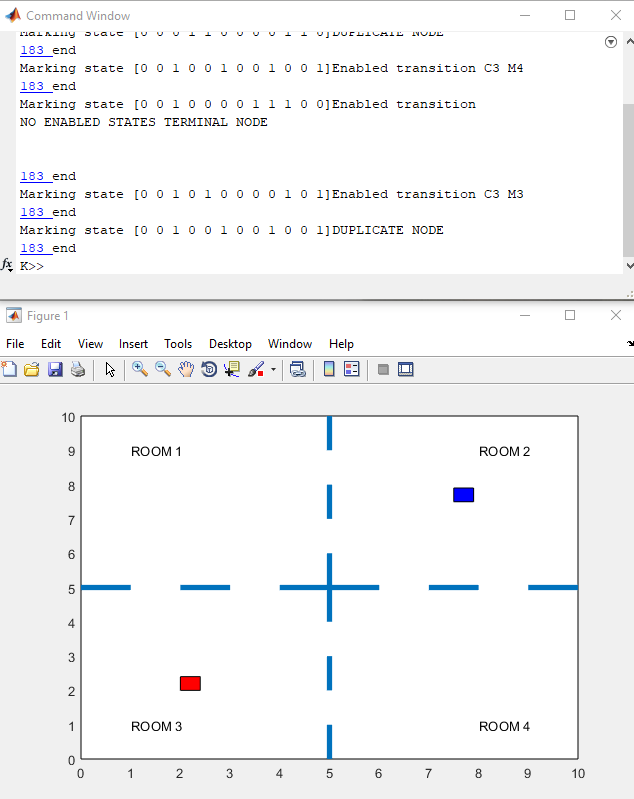
Step 5:



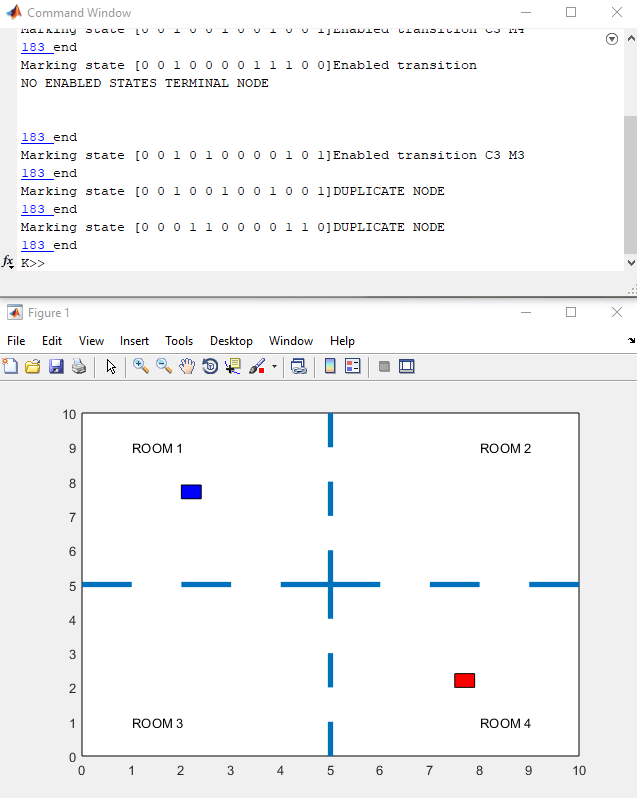
Step 6:



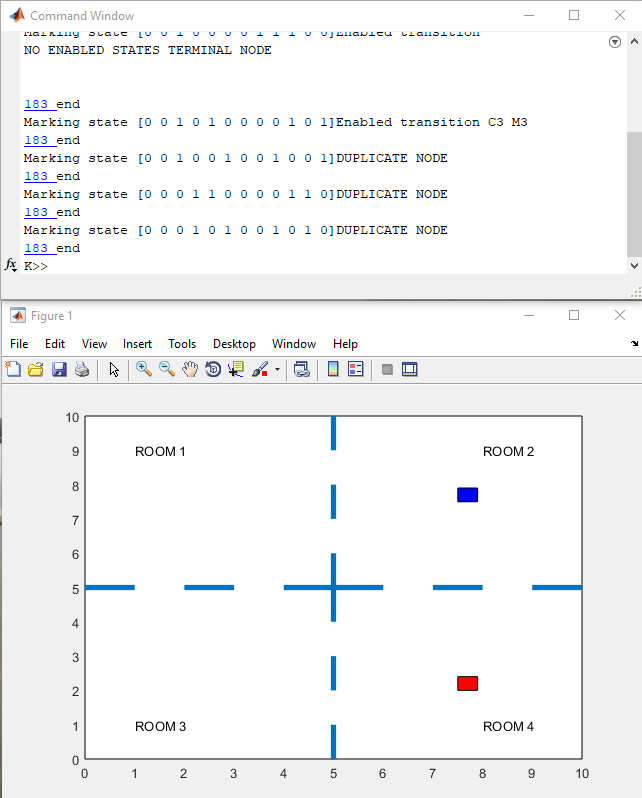
Step 7:



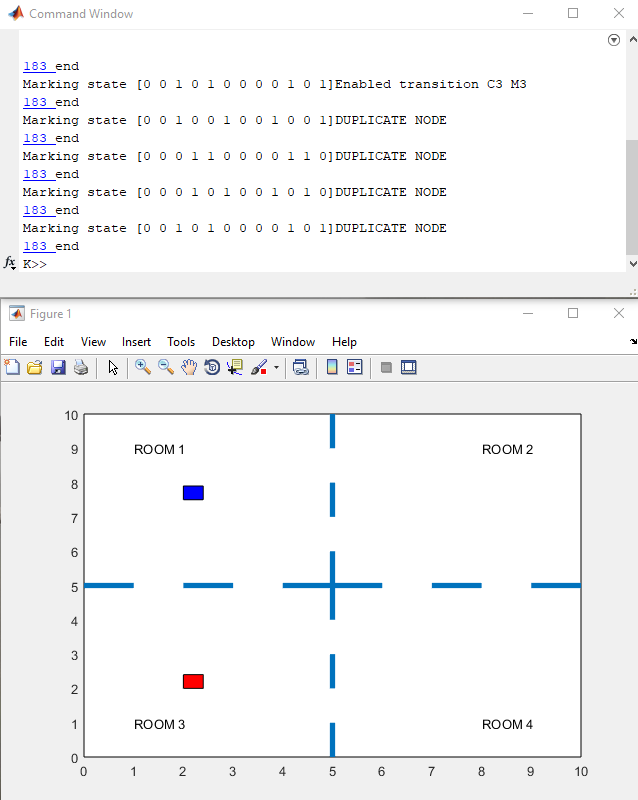
Step 8:



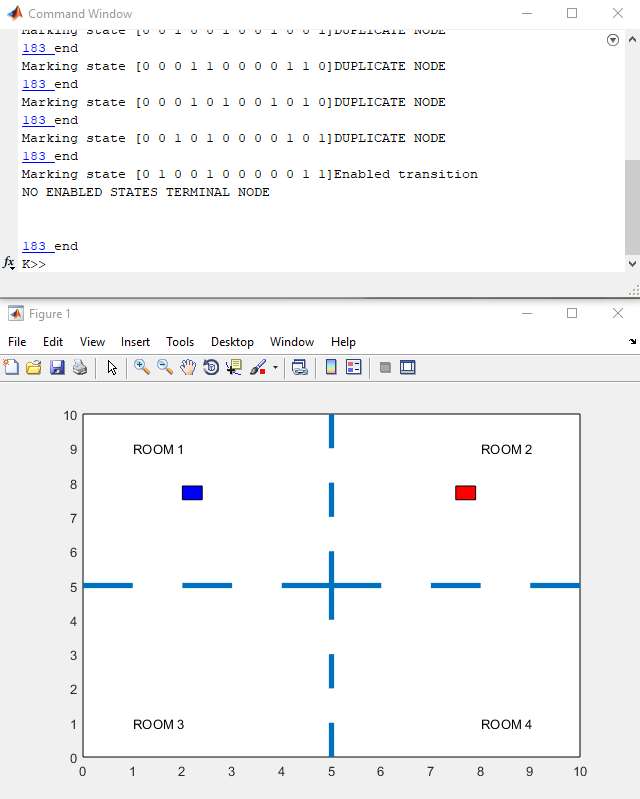
Step 9:



Step 10:



Step 11:



Step 12:

