MAIN ALGORITHM Initialize Assignment.py R=Robot() a_th=2.0 d th=0.4 count=0 silver=True silver==True silver==False dist, rot_y=find_silver_token() dist, rot_y=find_golden_token() dist<d_th dist<d_th print("Found it") print("Found it") False R.grab R.release True print("Gotcha") turn(30,1) print("not close enough") print("Release Token") silver=False turn(-50,1) print("not close enough") drive(20,2) silver=True count=count+1 False False -a_th<=rot_y AND rot_y<=a_ rot<-a_th rot>a_th False False -a_th<=rot_y AND rot_y<=a_th rot<-a_th rot>a_th True True True True print("That'll do") print("Left a bit...") print("Right a bit") print("That'll do") print("Left a bit...") print("Right a bit") drive(10,0.5) drive(10,0.5) turn(-2,0.5) True Finish counter==6 Assignment.py False

Predefined functions used in the Main algorithm

