## 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 drive(-20,2) print("not close enough") turn(-50,1) 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(40,0.5) drive(40,0.5) turn(-2,0.5) True Finish counter==6 Assignment.py False

## Predefined functions used in the Main algorithm

