InitialRegion: # Initial region number

2

======== SETTINGS ========

Actions: # List of actions and their state (enabled = 1, disabled = 0)

resynthesize,1

flag,1

gotoPOI,1

Sensors: # List of sensors and their state (enabled = 1, disabled = 0)

tempNewRegion,1

hazardous,1

assignment,1

newOffice,1

detectPOI,1

gotoPOIDone,1

======== SPECIFICATION ========

RegionMapping:

classroom1=p4

others=

hall2=p2

office1=p1

hall1=p3

Spec: # Specification in simple English

Environment starts with false

Robot starts with false

Always not (tempNewRegion and newOffice)

#Always not ((tempNewRegion or newOffice) and hazardous)

Group Hallways is hall1, hall2

Group Offices is office1

Group tempNewRegions is empty

gotoPOI is set on detectPOI and reset on gotoPOIDone

If you were activating gotoPOI or you are activating gotoPOI then stay there

Do flag if and only if you are sensing hazardous

If you are sensing tempNewRegion then do resynthesize and add to tempNewRegions

If you are sensing newOffice then do resynthesize and add to tempNewRegions

If you are sensing tempNewRegion or you are sensing newOffice then stay

If you are not sensing tempNewRegion and you are not sensing newOffice then do not resynthesize

If you are not sensing assignment and you are not activating resynthesize and you are not activating gotoPOI then visit all tempNewRegions

If you are not sensing assignment and you are not activating resynthesize and you are not activating gotoPOI then visit all Hallways