Actions
mc: move clockwise
mac: move anticlockwise
puc: pick up coffee
dc: deliver coffee
pum: pick up mail
dm: deliver mail

Locations:
cs: coffee shop
off: office
lab: laboratory
mr: mail room

Feature values
rhc: robot has coffee
swc: Sam wants coffee
mw: mail waiting
rhm: robot has mail

[$\overline{swc}$]

dc

[off,rhc]

mc   mac

[cs,rhc]   [lab,rhc]

mc   puc   mac   mc   mac

[mr,rhc]   [off,rhc]   [off,rhc]   [mr,rhc]

[cs]