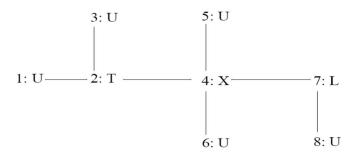
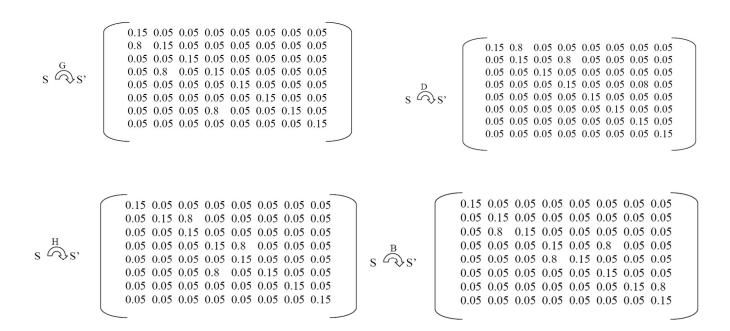
ROB311

1. Write the Python program to implement POMDP

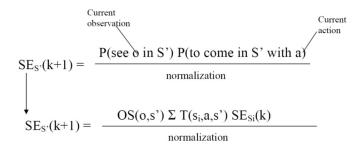
Environment:



Transition Function



Observation Function:



- Calculate the state estimator after the sequence state-observation seq = {[Right; L]}. Starting from the initial distribution SE(k)=[0.05 0.1 0.1 0.7 0.005 0.01 0.005 0.03]
- 2. Then, the action is Down and the observation is U, what's the new state estimator vector?
- 3. Do the points 1 and 2 when we start from an uniform initial distribution

(verify that the matrixes are correct for the transition functions)