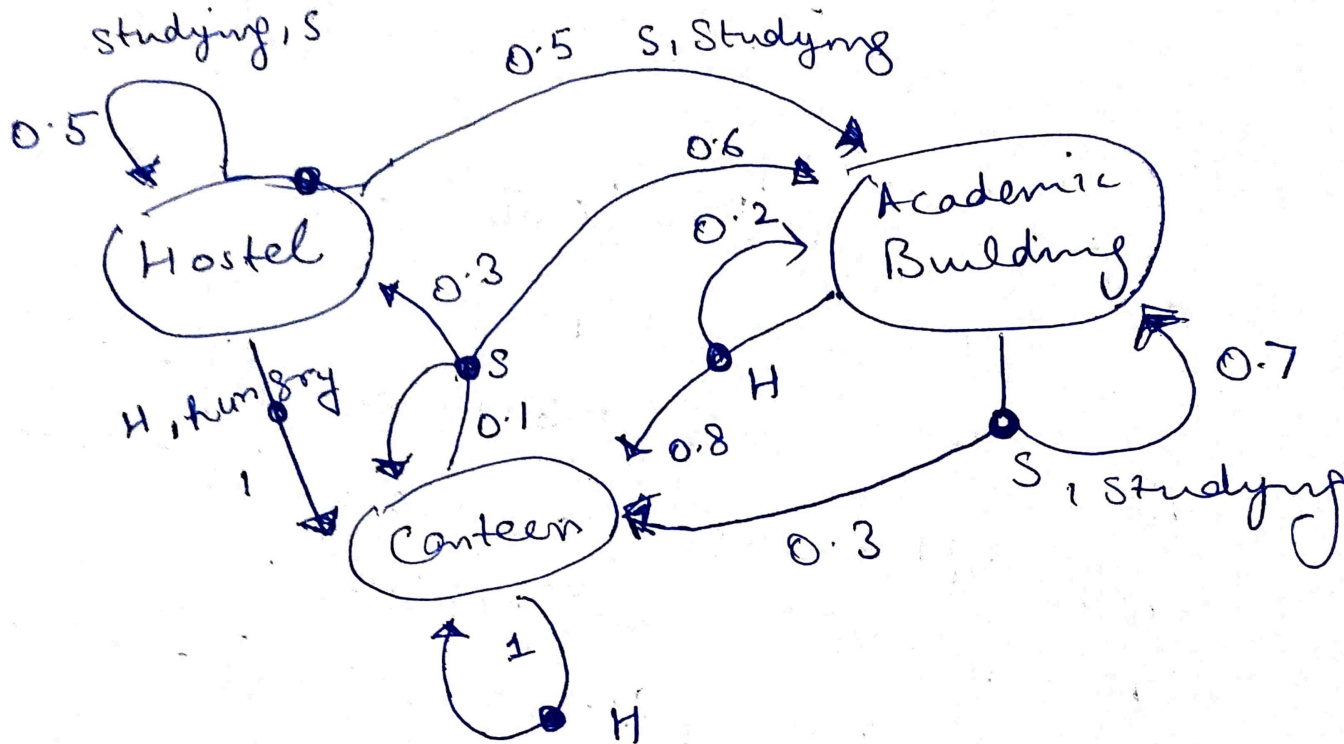


Assignment 1
Question 1

Anirudh 20043
Tikoo

State diagram



s	a	s'	$p(s' s,a)$	reward
Hostel	Hungry	Canteen	1	+ 1
Hostel	Study	Acad B	0.5	+ 3
Hostel	Study	Hostel	0.5	- 1
Acad B	Study	Cant	0.3	+ 1
Acad B	Study	Acad B	0.7	+ 3
Acad B	hungry	Acad B	0.2	+ 3
Acad B	hungry	Cant	0.8	+ 1
Cant	hungry	Cant	1	+ 1
Cant	study	Acad B	0.6	+ 3
Cant	Study	Cant	0.3	+ 1
Cant	Study	Hostel	0.1	- 1

Table