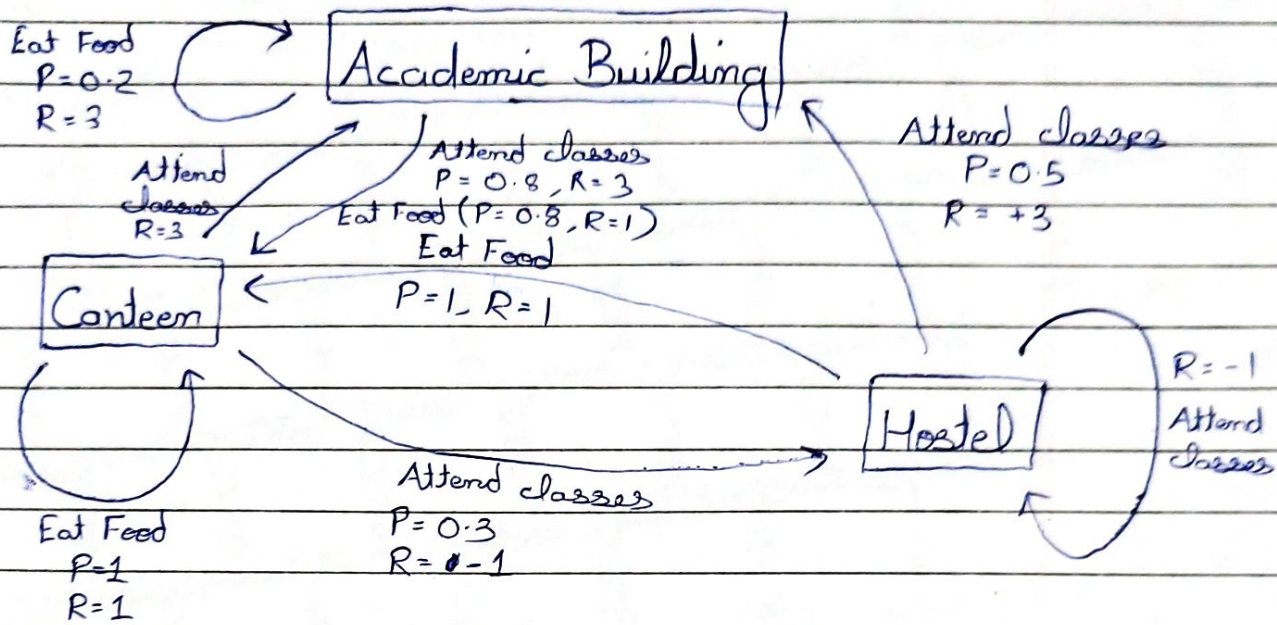


1) MDP Diagram:



Representation in tabular form

Current State	Action	Next State	Probability	Reward
Hostel (Hungry)	Eat Food	Canteen	1.0	+1
Hostel (Not Hungry)	Attend Class	Hostel	0.5	-1
Hostel (Not Hungry)	Attend Class	Academic Build	0.5	3
A. Building (Hungry)	Eat Food	Academic Build	0.2	3
A. Building (Hungry)	Eat Food	Canteen	0.8	1
A. Building (N. Hungry)	Attend Class	Acad Build	0.7	3
A. Building (N. Hungry)	Attend Class	Canteen	0.3	1
Canteen	Attend Class	Acad Building	0.6	3
Canteen	Attend Class	Hostel	0.3	-1
Canteen	Attend Class	Canteen	0.1	1
Canteen (Hungry)	Eat Food	Canteen	1.0	1