Assignment - I SUCCETAN G.U. 21342 Study 0,2,13 0.6,+3 Alademic Building 0.2,+3 Kary lat diagram MDP SI P(s,94 |s,a) 8(5,9,5) 5 Canteen 0 1 8 tudy conten 0.3 hostel study Canteen +3 0.6 Academic Build. study Conteen +1 canteen 1 lat Conteen 0.5 -1 hostel study hostel Academic Build. +3 0.5 study hostel cantlen +1 eat nostel Academic Build + 3 0.7 study Alademie Build canteen +) 0.3 study Academic Build Academica Build 62 + 3 eat Academic Build Canteen 0.8 4-1 eat A Codenice Build other transitions have probability = 0 and hence no record.

- => Both value and policy iteration show same trend in State - Value function,
 - > V (academic building) > V (canteen) > V (hostel)
 as expected because of the rewards associated with these
 places show some pattern.
 - The optimal policy in both cases was to 'study' in any locations when possible.