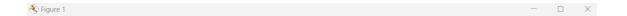
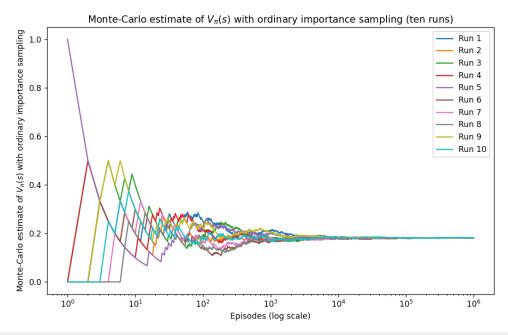
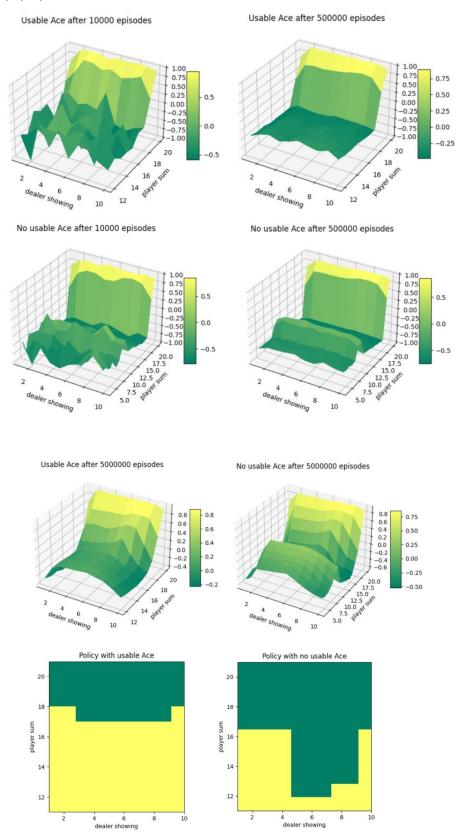
2) First Visit Us every - Visit. In the Black Jack tosk suppose every visit Me used instead of first - visit. The each episode is constantly changing which will appear only once . Even it every visit Mc is used. Since the State appears only once it gets the same result as asing first - visit b) MDP with a single nonterminal state and a Single action that transitions back to the non-terminal State with probability p and terminal State 1-P. 7=10 1 (glven) For First - Visit at = RI + a, =10 ai = R2+ az = 9 V(5) = 10 az = R3+a3 =8 For every Visit V(S) = Caro + ag+ .. + 40 Gq = R10 + G10 = 1 G10 = = 0+1 ... +10 V(s) = 5.5



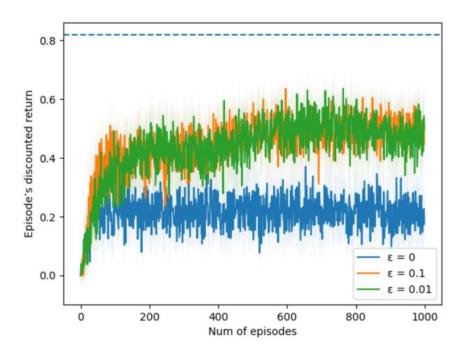


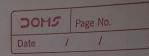


3) a), b)



b)





4) Four Rooms, revisited.

chen 6=0 atticulthout emploring starts in M-ces

when 6=0 atticulthout emploring start

point will always choose the state with

the 1st the result & retuse to make a

new attempt. However with emploining

Start this is prevented. It will have

chances to try other states. Thus this will

still be weful for improving the policy.