1.) Input: a policy in to be evaluated C TWT znitialize: V(s) =0 for all sES NCS) = 0 for all SES Loopforon (for each epilode): Generate an epilode following Ti. So, Ao, R, SI, A, R2-57-1, AT-1, RT Loop for each step of episode, t=T-1,T-2, -- 01 4 + 19 + Rt 11 14(St) + N (St) + 1  $V(S_t) \leftarrow V(S_t) + \frac{1}{N(S_t)} ((\gamma - V(S_t))$ 2.a) => A State in Black jack is the players total burn, the deloned visible and and whether there is a wable ace. considering there are no splitting or doubling boning according to special nucles. It can be comidered that those wont be much of a difference because the considered on the game of backjack when the payer will or lower a got a draw. lets comide a coincide whole the was had (14, 2, wable Ace) and if he hits and got a 6 the total coall be another and - (K, 2, whate Ace) and he strikely the total word be which is not excepte as the episode is already happend and the game in won which ( will not impact the policy improvement movalished required.

