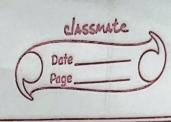
Date 3 12 24

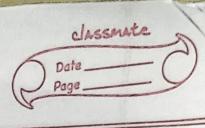
## LAB -10

The Statement. As per the law, it is a coine for an American to sell waspons to hostile notice Country A, an eveny of Amexica has some missilg were sold to it by long Who is on American ortizen To Prove Robert is a criminal Losward Chaining Itel 3 x Owns (Axx) Missile (x) Owns(A,T) Y Missile( D) ( owng (A, x) >) Sells ( pobest ( x, A) Michill (9) Amoran (Robost) Missile(x) => Weafon(x) Enemy (A, Amorica) Y x Every x, Amexica) >> Hostile(x) American (Polsert) Missile (Ti) Own (AT) Tweepors(+) Iself Propert T. A)



Min-Max Algorithm for Tix-Tac-Toe function ALPHA - BETA-SEALCH (State) selves an acting 19 E MAX-VALUE (Stale, -0, +0) retion the action in Actions Cataledwith volves Linction MAX-VALVELState, or, B) solving a utility while if TERMINALTES (state) trunselvin UBIBN/state for each & in Actions (All) to 10 E MAX (20, MIN-VALUE (RESULT (S, a), A, A of C MAX(x, 19) Function MIN-VALVE ( State N. B) selves a vt. light : + TERMINAL - TEST (Stole) from solar Utility (stole) NE+O for each an Actions (stable) 19 EMPN (1, MAX-VALUE (RESULT(Sce), X/B) it 10% a tree detroits BC Min (B, 10) odin v

classmite Enter sow and column so is motey or move Enter son and column. To At is money a move Enter son and committee EMINA



Alphon - Beta Princing for &- Queens function con giveny (board, sou, alpha, max player) IF SOW == N THEN LETURN "SYCES;" FOR col in O To N-1 Do Place green at (sow, col) result a ground board, south, alpha, beta, Not Har- Player) IF result == "SuccEsse" THEN RETURN "SUCCESS! femore green from ( sow, cal) . IT max playex THEN alpha 6 MAX (alpha, Cussent - score) bija C MIN (beta, comet scow) ZF alpha >= bela THEN BLEAK RETURN "FAILURE" Solition

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