

max-eval (state)

for all $a \in A_s$ tate

next-state \leftarrow Result (state, a) depth $V(a) \leftarrow \text{min-eval}(\text{next-state}, 2)$ return Val = max(a), action : avgmaxv(a)

min eval (state, depth)

if depth 7 max - depth

evaluate (state)

if state = Terminel

avaluate (state)

for all a in Astate

next-state = Rosall (state, a)

Next-state

Ve min & J, max-eval (next-state, deptetin)

return v

mex-eval (state, depth)

if depth 7 max-depth

evaluate (state)

if state = Terminal

avaluate (state)

for all a in Astate

next-state = Rosalt (State, a)

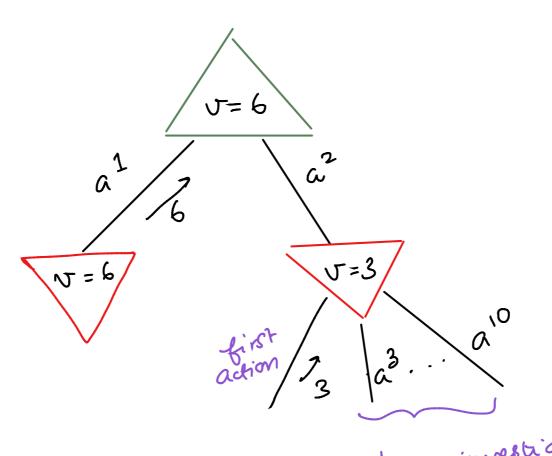
Next-state

VE wax & J, Min-eval (next-state

, depart)?

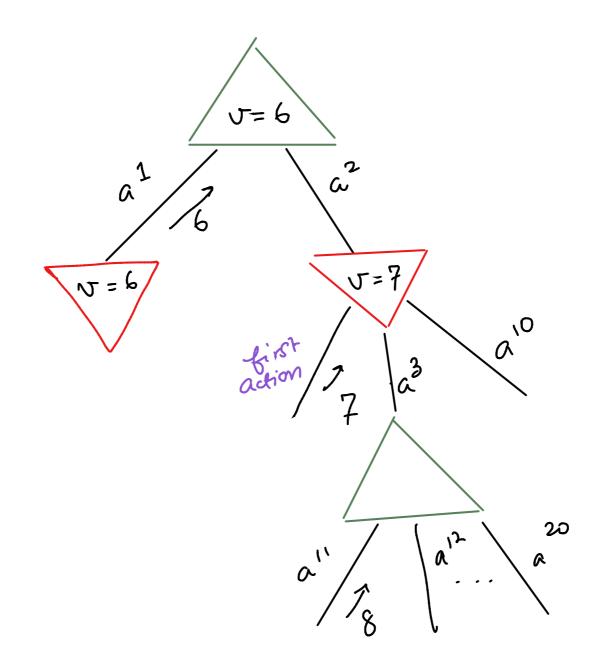
return v

Alpha - autoff



by investigating are of these
the min player can pure you
below 3 => a3 to a
need not be
investigated

Beta cut off



min player is already getting 7, but if it plays a^3 max player can make value greater than or equal to 8. min player is not playing a^3 at all \Rightarrow a^{12} ... a^2 no need to exhand

max-eval (state) $d = -\omega$, $\beta = +\omega$ for all $a \in A_{state}$ mext-state \leftarrow Result (state, α) depth $V(a) \leftarrow min$ -eval (next-state, $2, \alpha, \beta$) $d \leftarrow max \leq d, V(a) \leq max V(a)$, action: argmax V(a)

max. eval (state, depth /d, B) Leocae La if depth 7 max. depth evaluate (state) if state = Terminal evaluate (state) for all a in Astate next-state + Result (state, a) VE max & J., Min-eval (next-state, deptht), d cocal, 13 13 Bartott Sif V7,B local 4 max & weal, v 3
return v

