Multi Agent AI (Lec 2)

Lecture materials available at

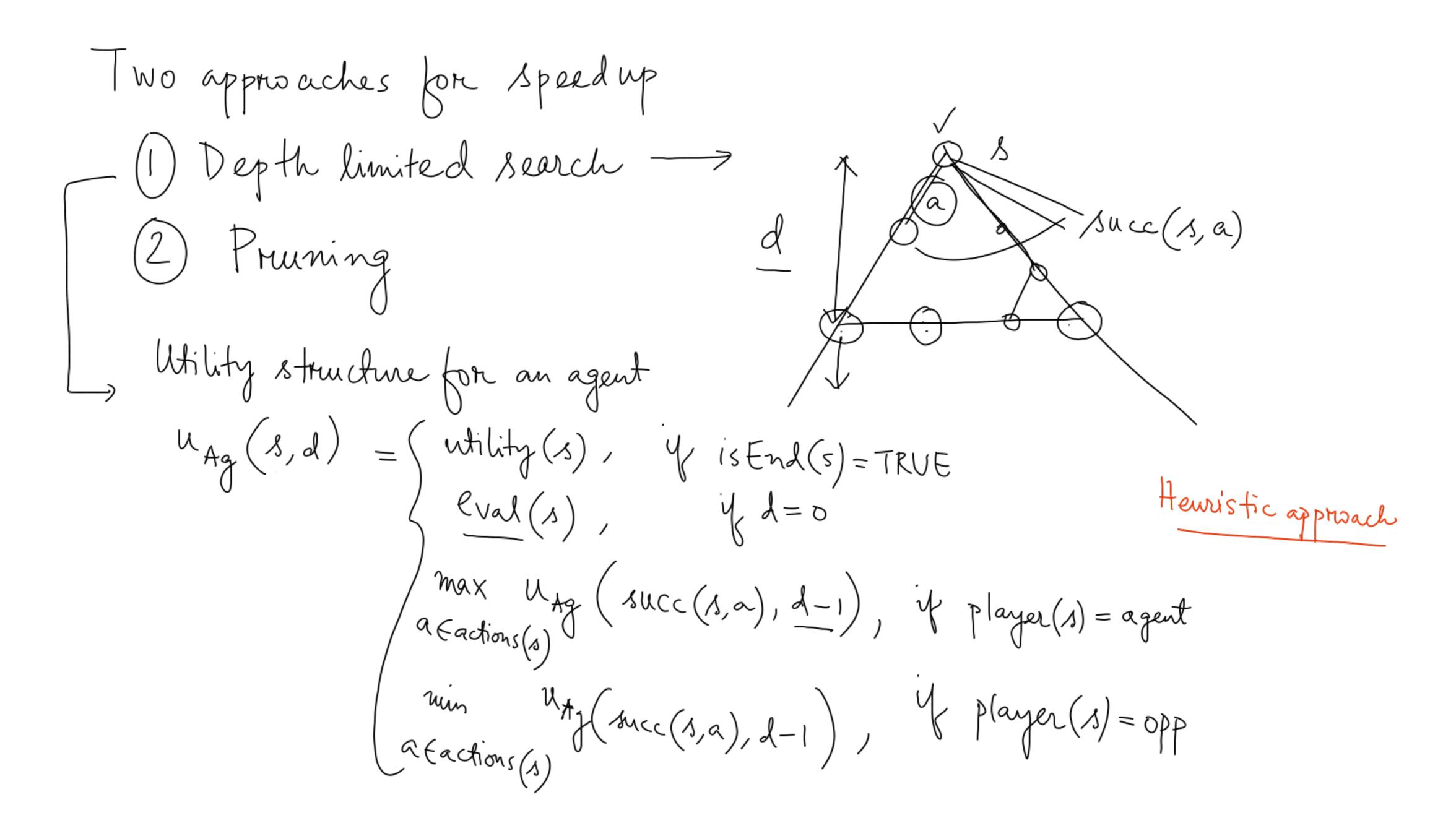
cse. iitb. ac.in/~swaprava/cs217240_2024.html

Week 10 (lecs 19,20)

Game thee tarning of

Backward induction ->

Large number of states in The game tree stops us from executing B.I.



For chess

eval (s) = army + mobility + king safety + .

Army = $10^{180} (K - K') + ...$

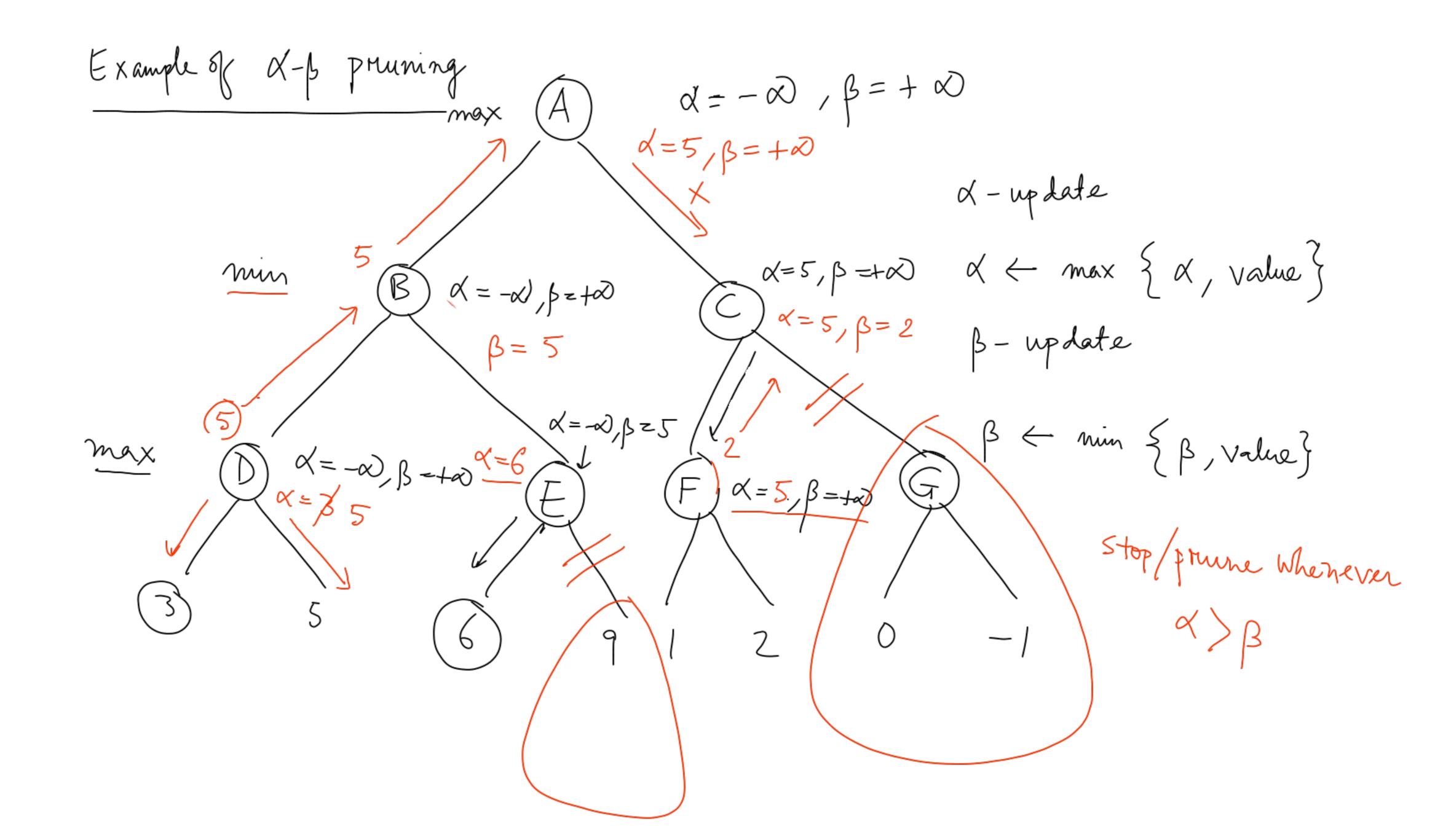
(2) Pruning - remove the subgame that is not relevant (x-B pruning)

nax

R not explore if

y(x)

3, 32



Sequential move games - chess, Go, Cardgames Simultaneous more games - sealed-bid auction Player 2 Wo competing

A W 5 5 0 6

nations

CS 6001

equilibrium outcome