Formal Representation: tree

- node - a state of the game - arc - an action that takes game from one state to another

root So initial game setup.

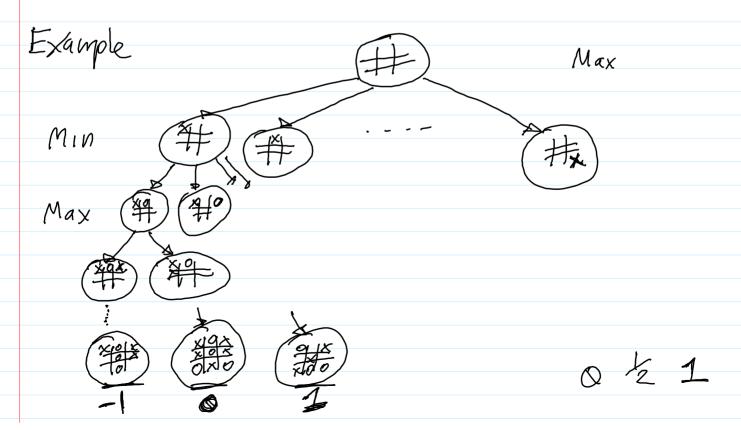
Player(s): player to move Actions(s): set of legal moves at state s Result (s,a) - transition function Terminal (s) .- true if s is an end-state Utility (s) - score of players at a terminal state 5

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C MAX

Whility(s) Max goes first.

MIN



the minimax (S) =

(utility (S) terminal (S)

max
a G Achous(S)

Minimax (Result (S,a)) Player(S)=MAX

min
A G Actions(S)

Minimax (Result(S,a)) Player (S)=MIN

a G Actions(S)

