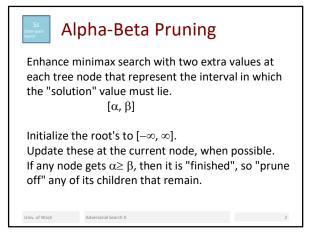
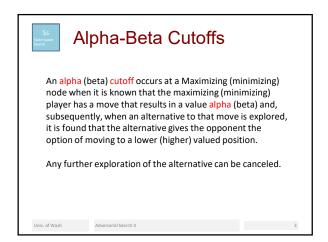


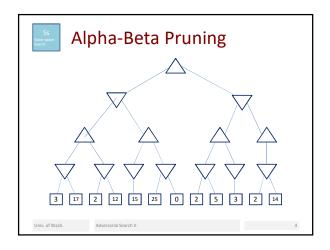
Adversarial Search II: Alpha-Beta Pruning

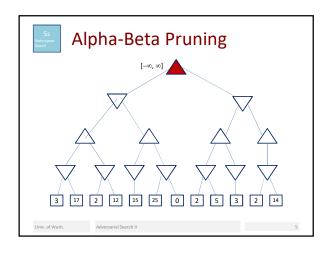
CSE 415: Introduction to Artificial Intelligence University of Washington Spring, 2019

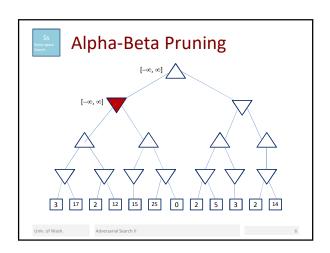
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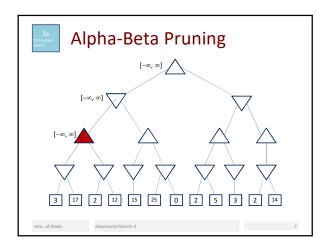


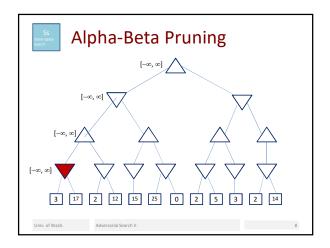


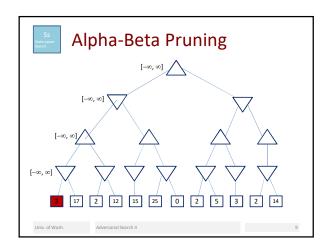


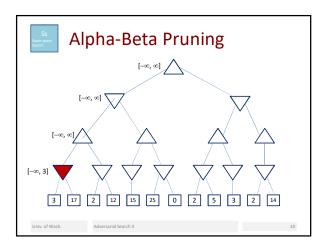


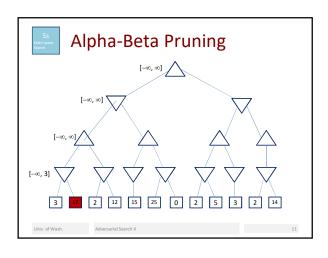


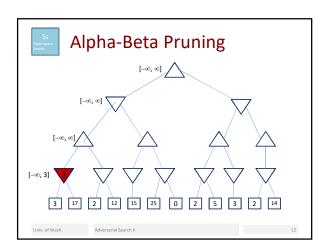


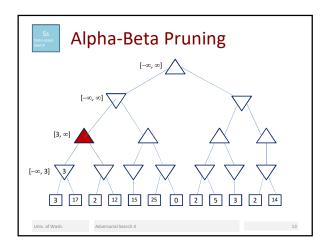


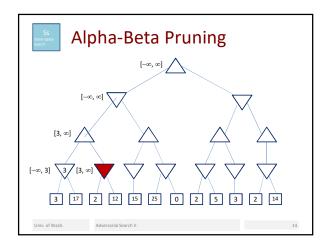


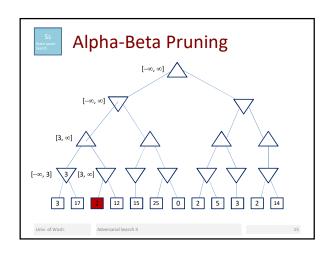


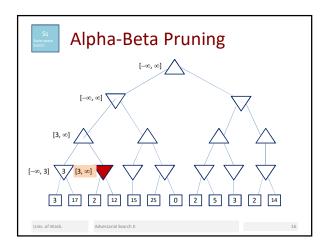


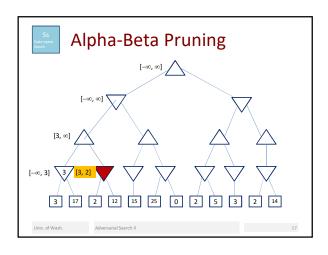


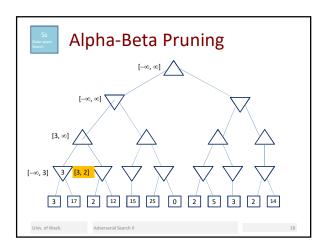


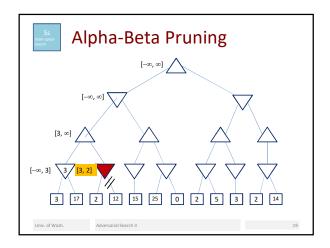


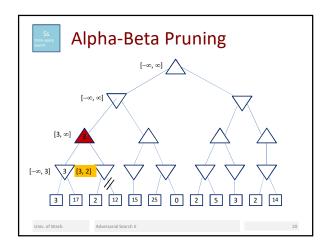


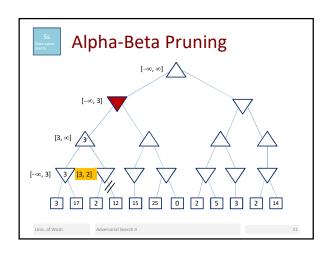


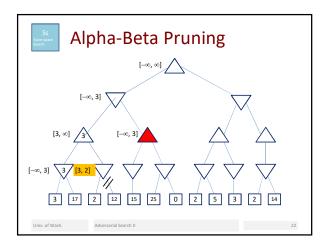


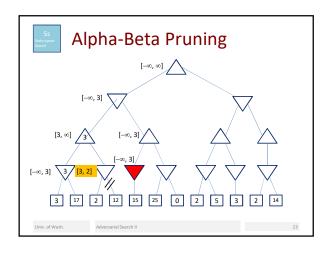


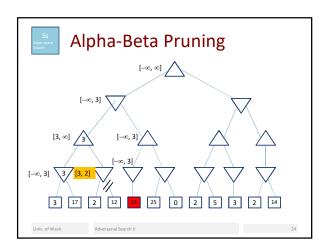


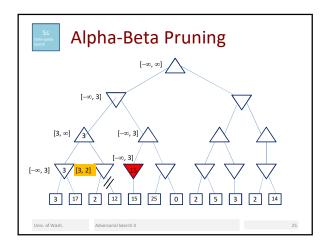


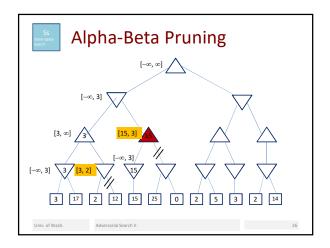


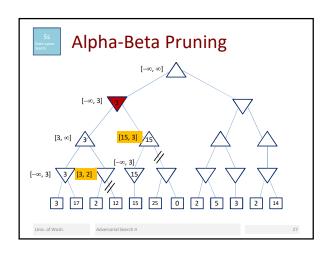


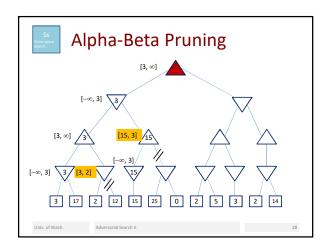


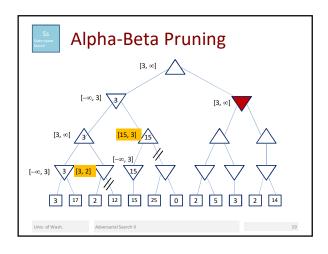


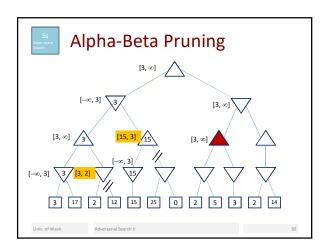


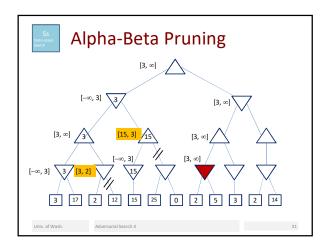


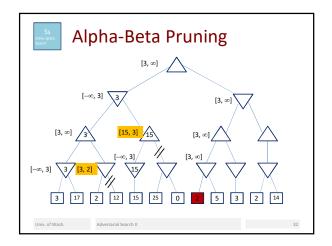


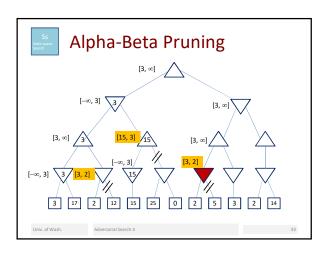


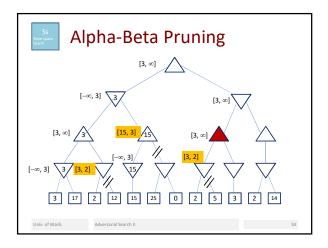


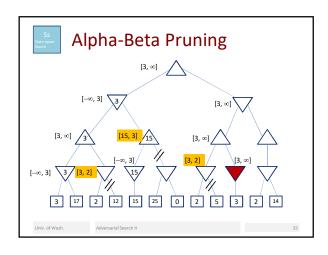


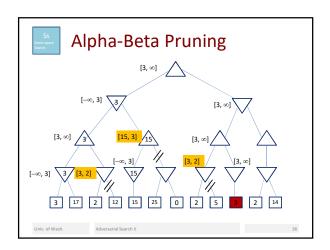


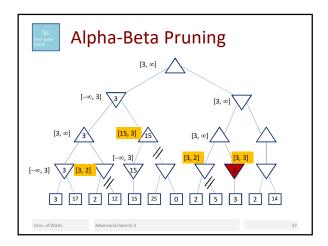


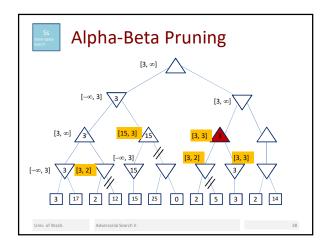


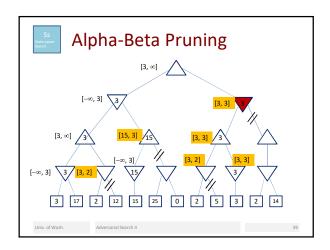


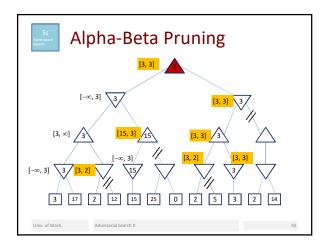


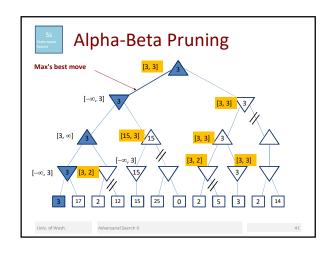


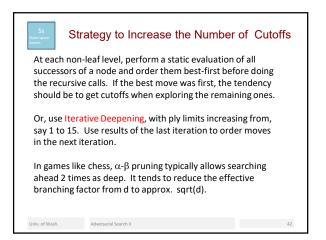














Strategy to Increase the Number of Cutoffs

At each non-leaf level, perform a static evaluation of all successors of a node and order them best-first before doing the recursive calls. If the best move was first, the tendency should be to get cutoffs when exploring the remaining ones.

Or, use Iterative Deepening, with ply limits increasing from, say 1 to 15. Use results of the last iteration to order moves in the next iteration.

CSE 415, Univ. of Wash Adversarial Search II