Lab 10 ,27/10/25 Adversasial seauch Implement Alpha - Beta Pruning t first 1. start at the suot node (curvent game star the curvent player is either Max on min e Alprithm ld. Initialize 1 . 2 = -00 · B = + 00 1-3. If terminal node (end of game):

-> Return the utility (score) of that node 4. It its a Max playen: · set value = -00 · For each child of this node: 1) compute child-value = Alpha Beta (child, depth -1, x, B, False) 2) update value = max (value, child-value) 3) update ox = max (value, child-value) 4) if $\angle \ge B$, then byeat -> (powne remaining branches) · Return value 5. If its a Min player: · set value = + 00 · For each child value =) Alpha Beta (child, depth -1, x, B, True) e) update volue = min (value, ehild-value) 3) update B = min (P, value)

