129 Friding Menemure and Maxemure Algorithm and Analyses Problem: To fend the maximum and markinum elements and set of nelements. - For analyzing time complexity, test of an element comparison is used, because if element's erre polynomial, vector, large number, strings then cost of comparison is much higher than other operation Straightforward Maxemurs & Meremum algorithm: Stragget Max Min (a, n, max, min) man = man = a Ci] if (a(i) > man) then man = a(i).

If (a(i) < min) then man = a(i). In straightmankin, total number of comparison is 2(n-1);

Conquer: Fend manimum and maximum an subsequence recursarely. Combine: Two maxima and merima of subproblems are compared to achieve the solution

for the entire set. Algorathm : 9, j, man, men 1, j, men allis global array. olp: setting min & max in a [9:3] Max Min (9, j, min, man) 1. If (R==j) then max=min = a[i]; // Arst Bouse condition ie n=1 else if (R==j-1) // case 2: n=22. PR (a[i] < a[j]) then 3. man = a[9] 4. men = ali7 5. else 6.







