F Mintime -> O(n) a sorted

(Mon firm -> O(r) Important Points Debble Sort > (Adaptive)

Compares consecutive pairs. (we made it by using flag) £ 8, 5, 7, 3, 23 Schments 4 paixs Jet Pans 5 5 7 7 1 · Largest element sorted after fixt Pass ***

· n elements (n-1) comparisons Effect Effect 3 · 4 swaps possible and Pays stone (Heavy climent) in · 2 demonts are sorted Water. It goes down · 3 comparisons, 3 swaps possible of birbble (lighter 3rd Pass clements Come up. · 3 elements sosted 80 · 2 comparisons, 2 aways Possible Bubble Sort. 7 8 4th Pass · All elements sorted. · I Comparison, I swap Possible 2. 3 5 5 7 8 Total -> 4 Passes Nolements (N-1) Passes Companions > 1+2+3+ (n-1) n(n-1) =) O(n2) V Two is Time comploxity Swaps -> 1+2+3+/n-1) n(n-1) => O(n2) · To find largest no. -> Perform Ist Pass.

11 11 K Passes. Impostant -FREEMIND

