52B/ and $a_n \in a_{n_2} \leq \cdots$ Case 2 1 J1 - are and Take any N, > Milling By construction, if nz som is large erold 12 > 1, and and and an By induction, having constructed n, 2nz <...< n p.t. $\alpha_{\eta} > \alpha_{\eta_2} > \cdots - 7\alpha_{\chi}$ 3 mx+1 > nx onkitl ank and so the Thin holds