

Subseq limits

(54)

Given $\{a_n\}$, let

$L = \{ \text{subsequential limits} \}$

Can we upper bound L ?

$$\text{Let } b_1 = \sup\{a_1, a_2, \dots\}$$

$$b_2 = \sup\{a_2, a_3, \dots\}$$

$$b_n = \sup\{a_n, a_{n+1}, \dots\}$$

$$b_1 \geq b_2 \geq \dots$$