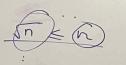


Jay Cummings, Real Analysis

H Limsup and Liminf



limisup (an) = $\begin{cases} \lim_{n\to\infty} \sup_{n\to\infty} \{a_n\}, \text{ falls nach oben bes.} \end{cases}$ $\lim_{n\to\infty} \sup_{n\to\infty} \{a_n\} = \begin{cases} \lim_{n\to\infty} \sup_{n\to\infty} \{a_n\}, \text{ falls nach oben bes.} \end{cases}$ (2+i) = [1+2i] (2=-1) |3+i| > |i|