

Remark 7.22. [OF1] If the ratio test [21C] can be applied, we have seen in the demonstration that, for a $L < 1$, there is a N for which $|a_n| \leq L^{n-N} a_N$ for every $n \geq N$, and therefore $\limsup_{n \rightarrow \infty} \sqrt[n]{|a_n|} \leq L < 1$, that is the root test [21D] holds.