| Definition 9.55. | [oqx] Given a sequence $(x_n)_n \subseteq X$, a poi | $nt \ x \in X$ is |
|----------------------------------|--|-------------------|
| said to be a limit _I | point for $(x_n)_n$ if there is a subsequence n | k such that |
| $\lim_{k\to\infty} x_{n_k} = x.$ | | |