

Exercises

9.55 [OQZ] Prerequisites: [OMW], [ON8].

- If a sequence $(a_k)_k \subseteq X$ converges to x then it has a unique limit point, which is x .
- If a Cauchy sequence $(a_k)_k \subseteq X$ has a limit point then there is only one limit point x and $\lim_k a_k = x$.

Solution 1. [ORO]