

Definition 7.57. [21J] Let in the following (J, \leq) be an ordered set with the filtering property

$$\forall x, y \in J \exists z \in J, x < z \wedge y < z \quad (7.58)$$

(See section [2FJ]).

A function $f : J \rightarrow X$ is called **net**.

This f is a generalization of the concept of sequence; indeed the set $J = \mathbb{N}$ with its usual ordering has the filtering property