

§8.f Nets

[2B6]

We will use the concepts of *direct order*, *filtering order* and *cofinal set* already discussed in Sec. [2FJ]. In the following (Y, σ) will be a Hausdorff topological space.

Definition 8.f.1. [0K4]

The definition of *eventually* is in [06Y], and it means that there exists $k \in J$ such that for every $j \geq k$ you have $\varphi(j) \in V$.

The remark [2B3] holds in this case as well.

Definition 8.f.2. [2B4]**Exercises**

E8.f.3 [0K5]

E8.f.4 [0K6]

E8.f.5 [0K7]

E8.f.6 [2B7]

E8.f.7 [0K8]