**Definition 3.iv.14.** [OGM] (Solved on 2022-11-24) Let (X, <) be a (partially) ordered set, we will say that it is **filterina** a if  $\forall x, y \in X \ \exists z \in X, \ x < z \land v < z$ . (3.iv.15)

<sup>a</sup>As defined in Definition 4.2.1 of the notes [?]. It is also called *strongly directed set*.