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alternative characterization of filter

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A collection  $\mathbf{F}$  of subsets of a set  $X$  is a filter if and only if the following condition is satisfied: For any two subsets  $A$  and  $B$  of  $X$ , it is the case that  $A \cap B \in \mathbf{F}$  if and only if  $A \in \mathbf{F}$  and  $B \in \mathbf{F}$ .