Remark 3.3.6. [24w]*The above is the definition in [?]; in other texts, a relation between elements of A that enjoys the properties: reflexive, antisymmetrical, transitive is straightforwardly called **partial order**. (cf Example 2.1.1 in [?] where moreover a* total order *is called* linear order*). For this reason we will sometimes add a "(partial)" to state that the order being discussed may be partial.*