

# Towards a more general poset product

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## **Abstract**

The general concept of a partially-ordered set, or poset, is introduced. The standard finite operations on these will be defined. While it is clear how to define an infinite sum of posets, many different definitions of infinite products have been suggested by Sierpinski, Fraisse, and others. I will present these and, time permitting, present a new definition which generalizes many of these.