1 Cartesian Closed Categories

Cartesian Closed Categories - Finite exponentials and finite products. Exponential object - Functors from \mathcal{A} to \mathcal{B} $\mathcal{B}^A F: \mathcal{A} \to \mathcal{B}$ In the category of posets, which are Transitive and anti-symmetric, the objects are just sets X and the morphisms are defined as meaning that if there is a morphism between two objects, there is only one.