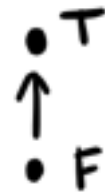


A PREORDER



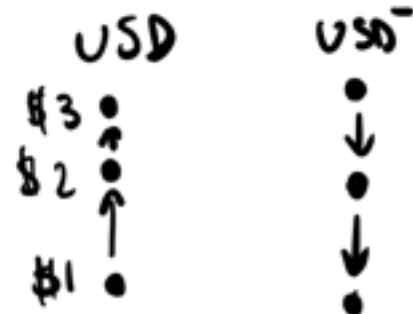
BOOL



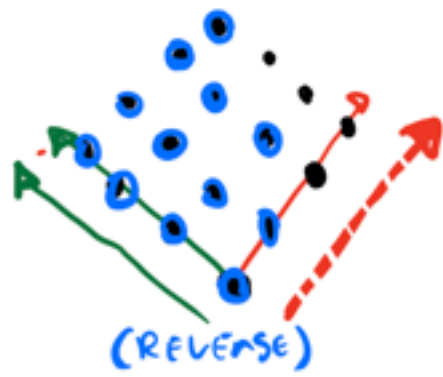
THE OPPOSITE OF
A PRE-ORDER



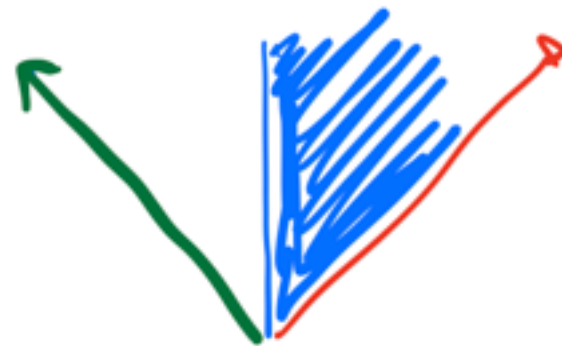
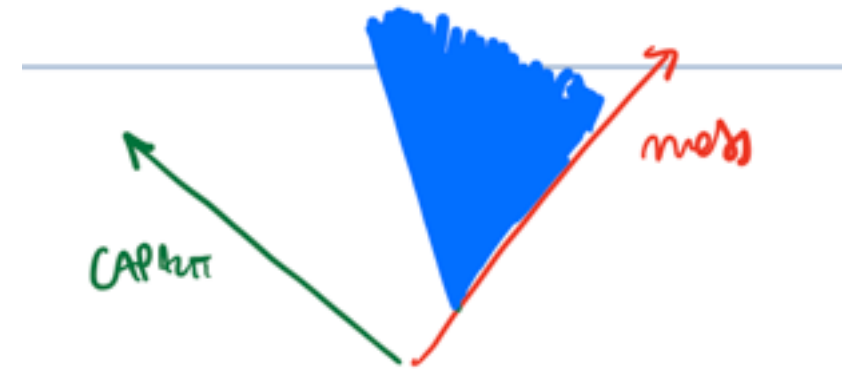
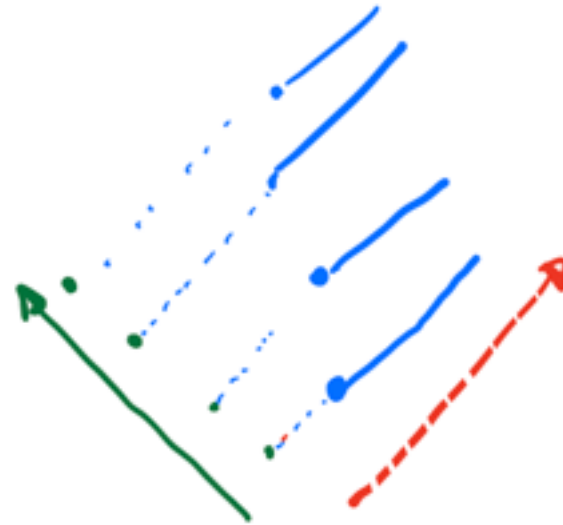
INDUCED PARTIAL ORDER

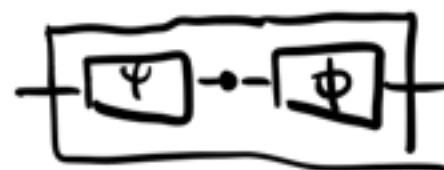
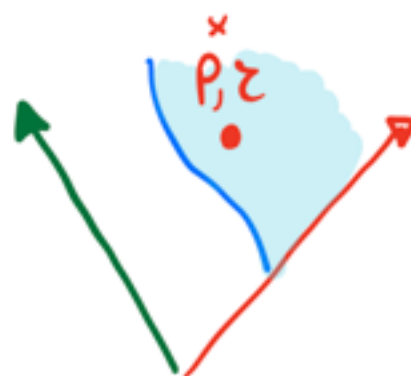
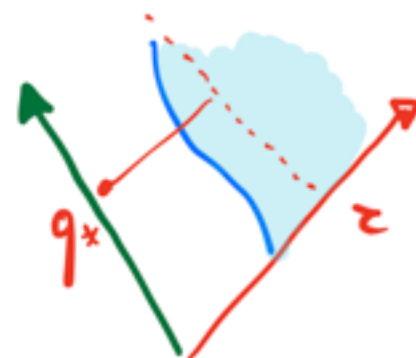
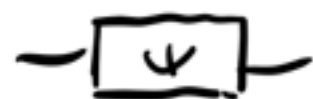
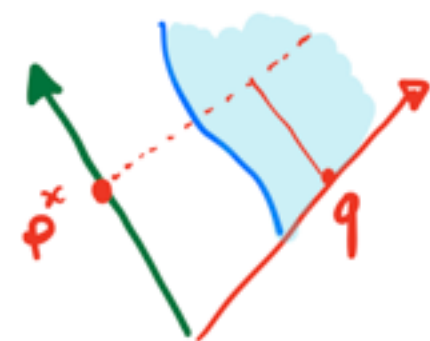


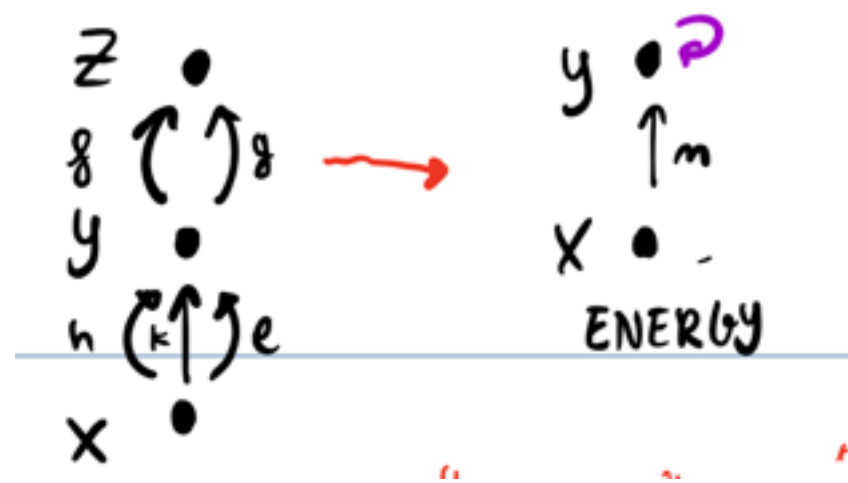
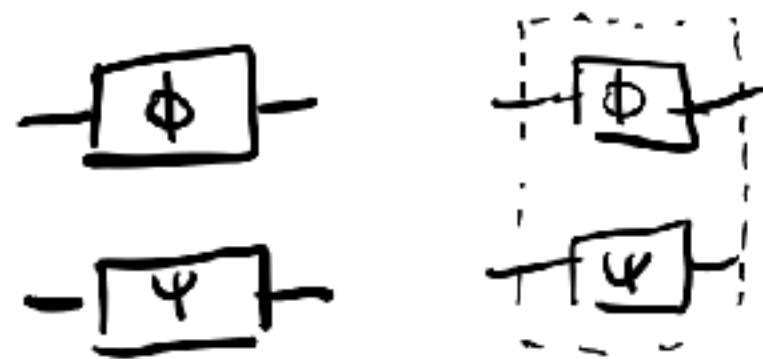
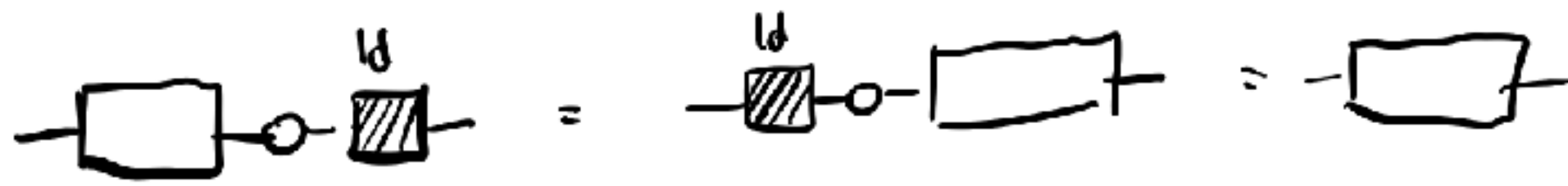
DISCRETE-DISCRETE

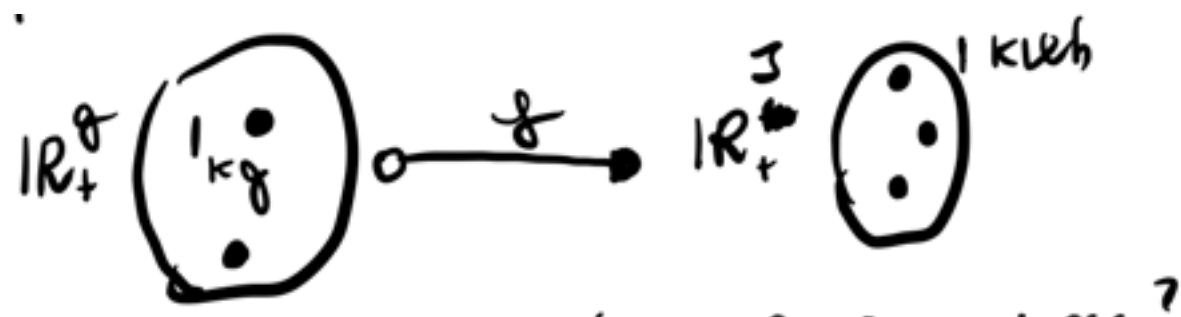


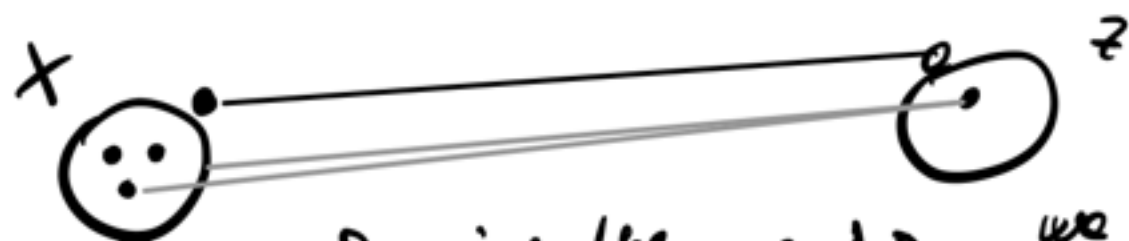
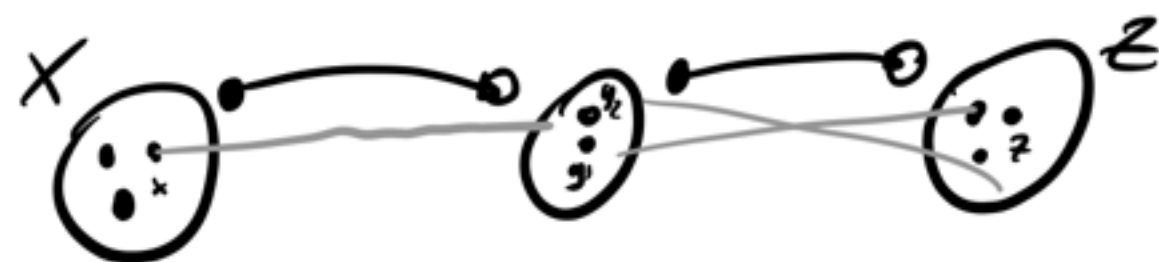
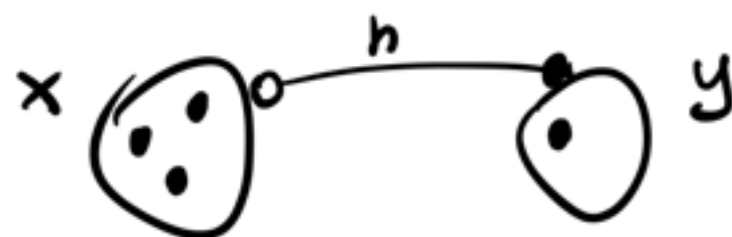
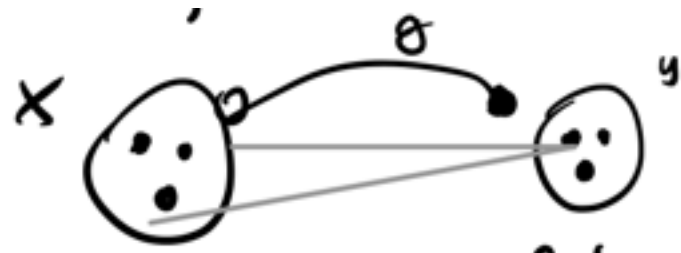
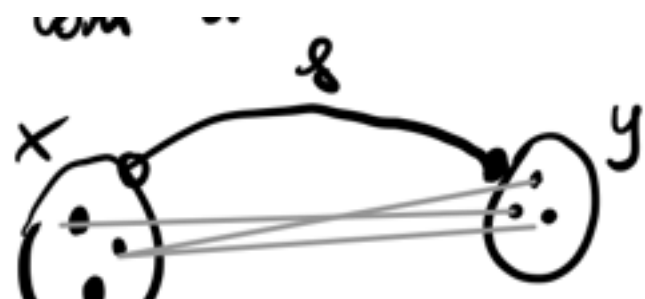
DISCRETE-CONTINUOUS

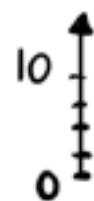
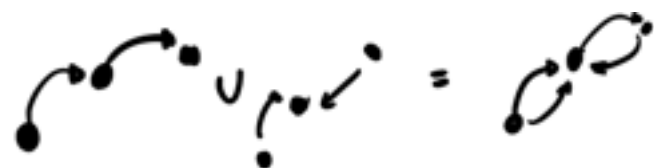
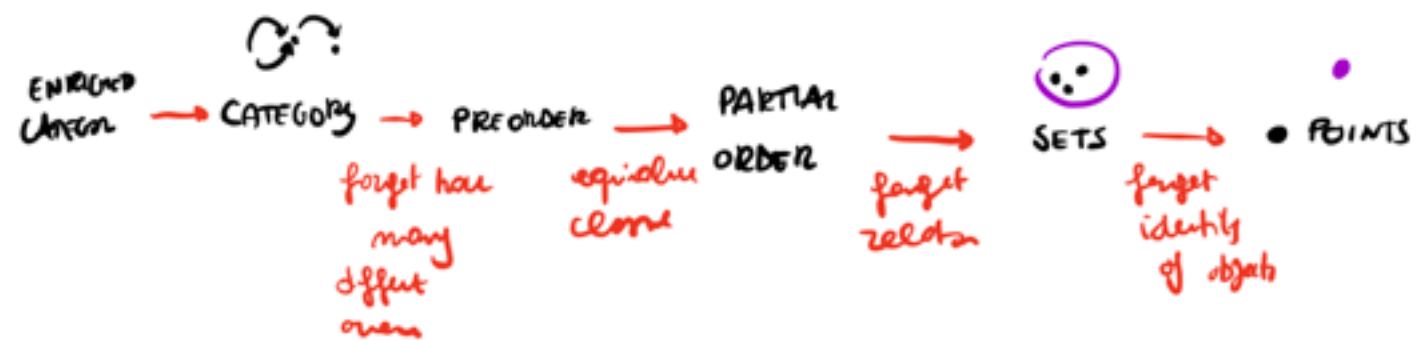












representing resources

representing
designs

points
(booleans)

sets
(subsets)

posets
(upper sets)

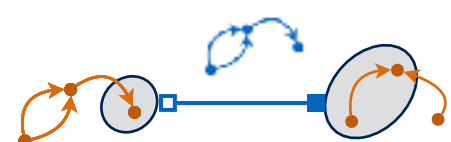
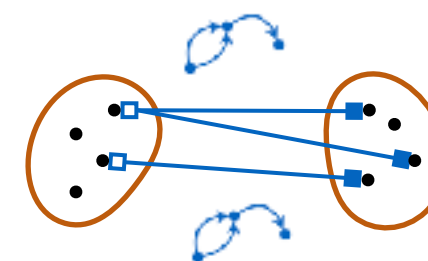
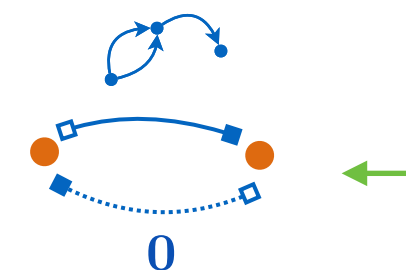
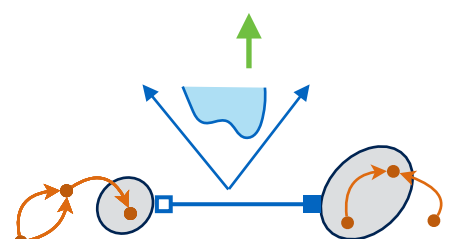
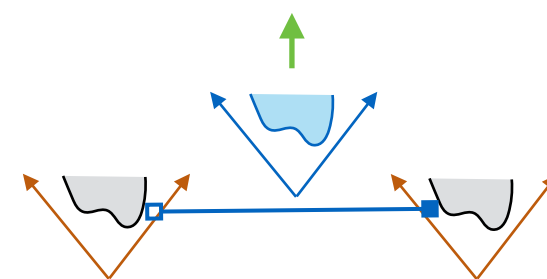
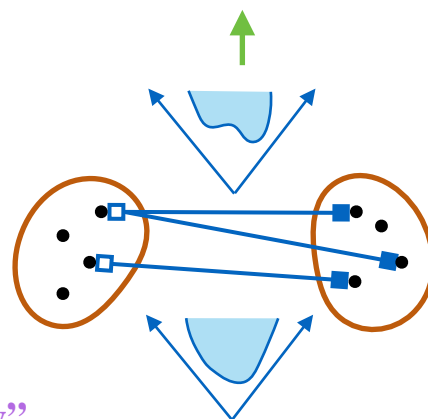
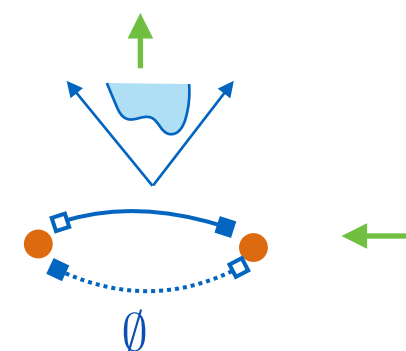
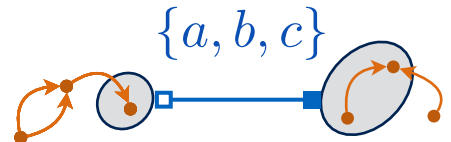
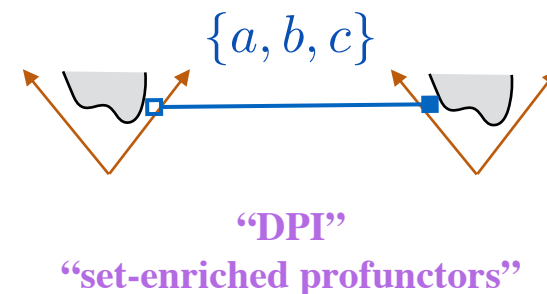
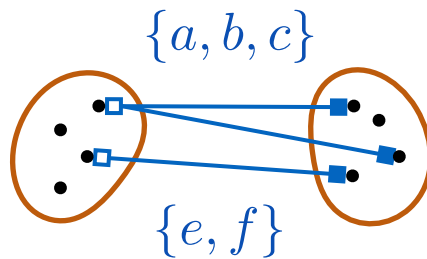
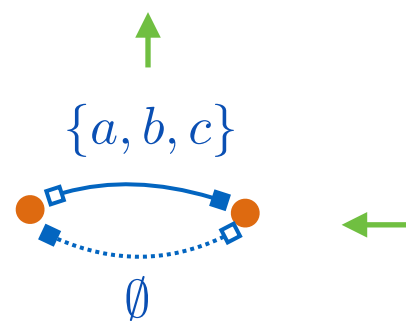
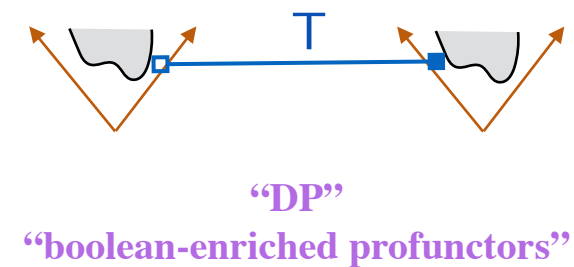
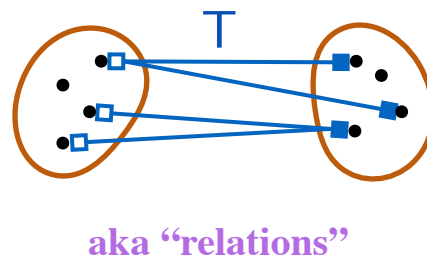
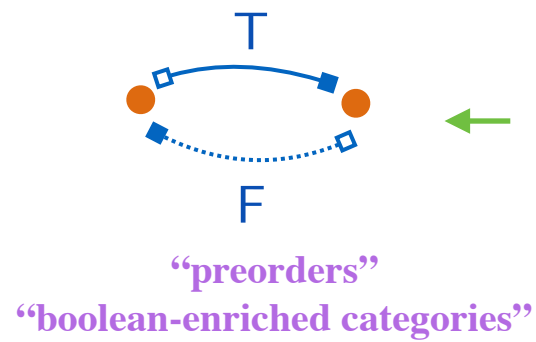
categories

points

sets

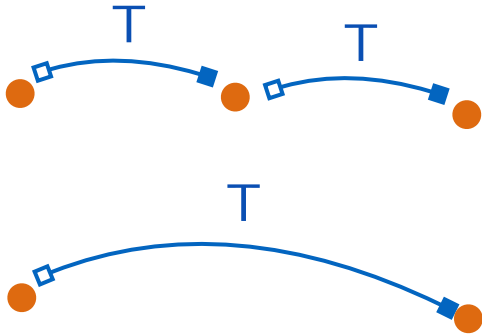
posets

categories

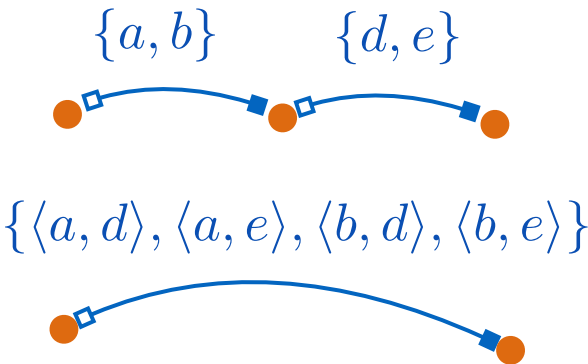


design composition

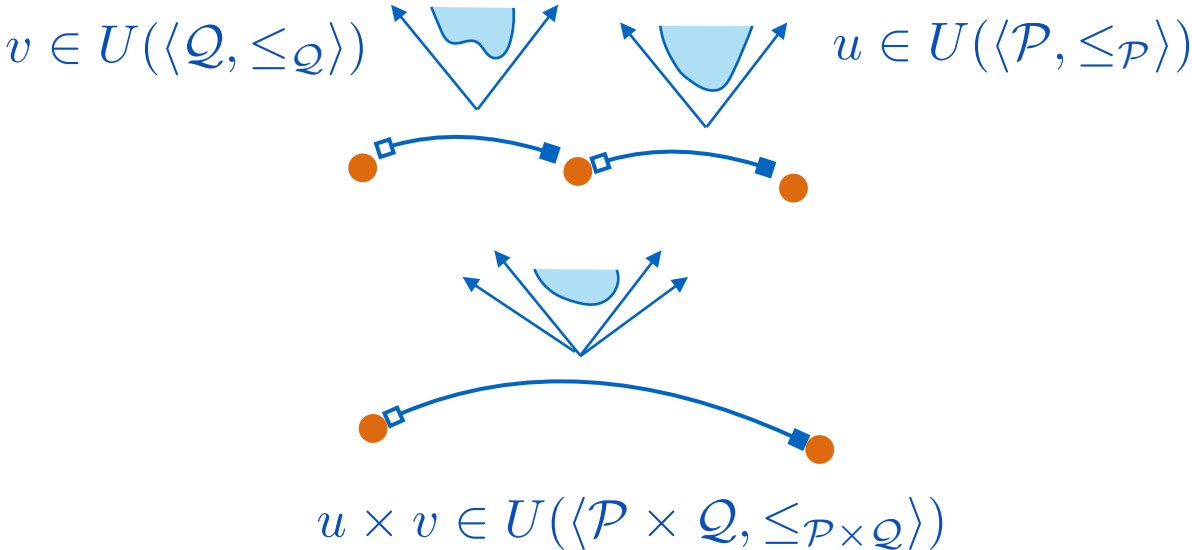
booleans



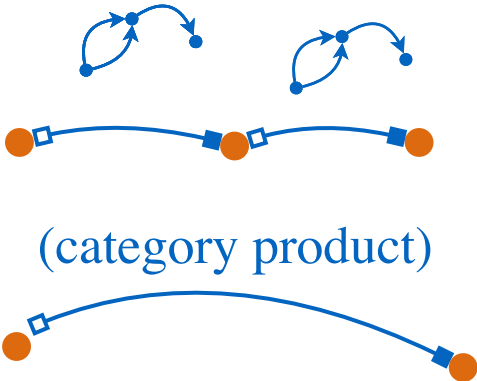
subsets



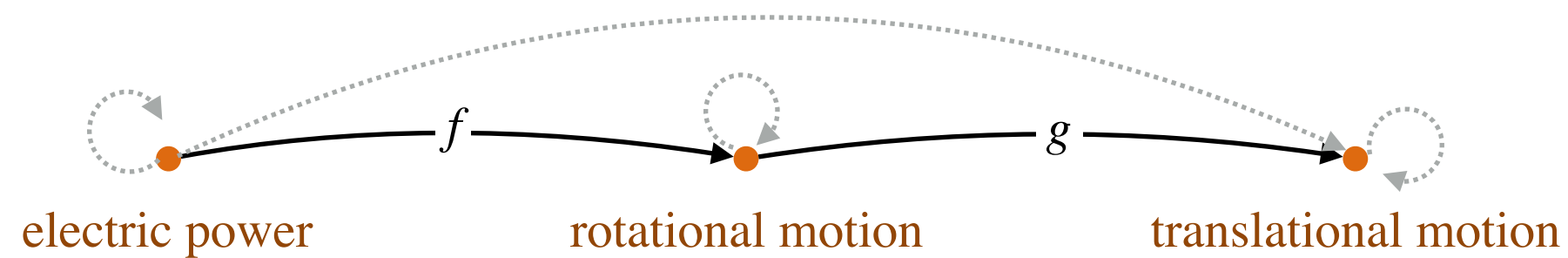
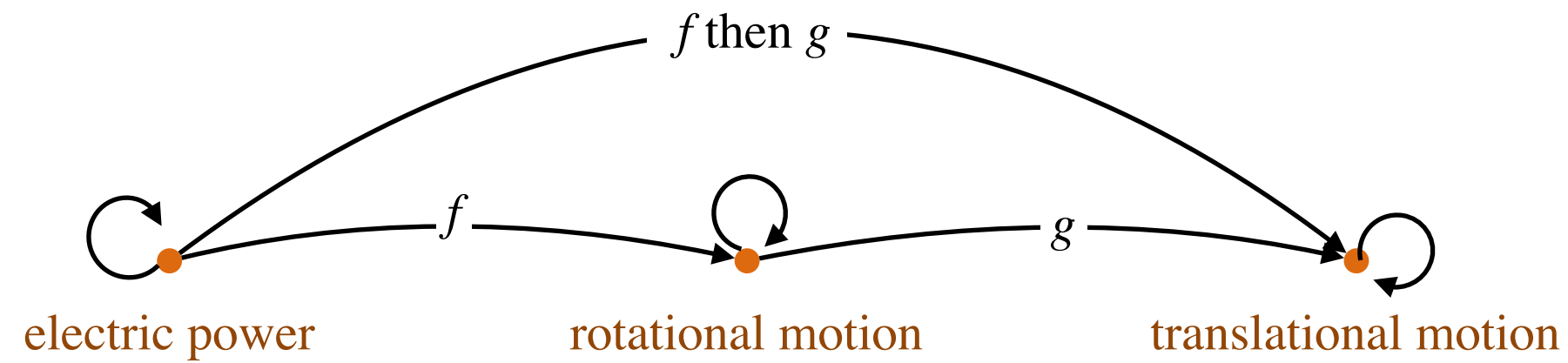
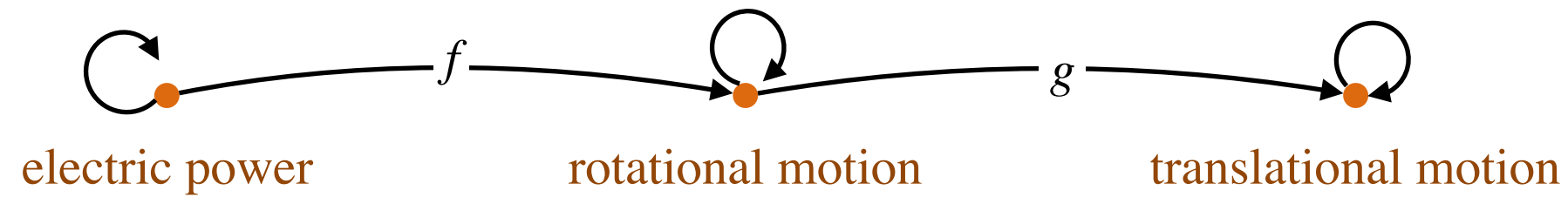
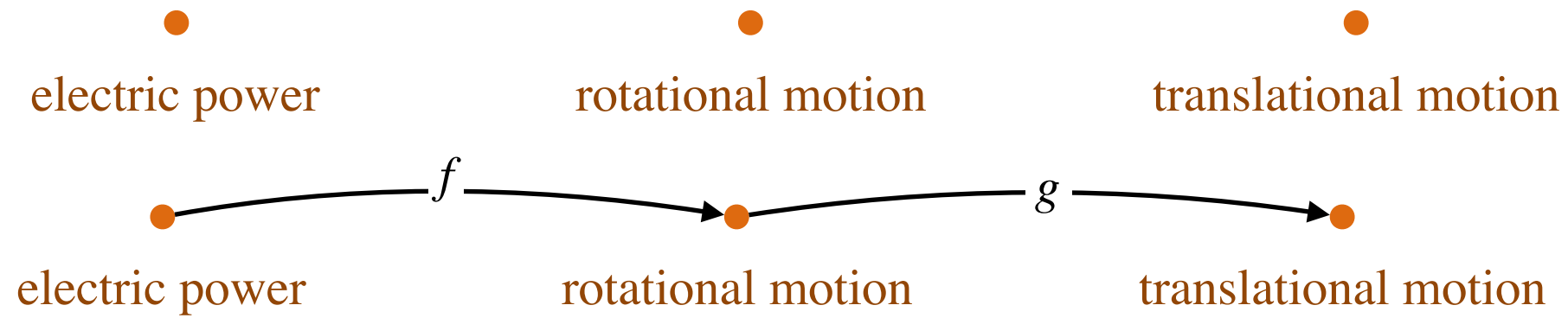
posets

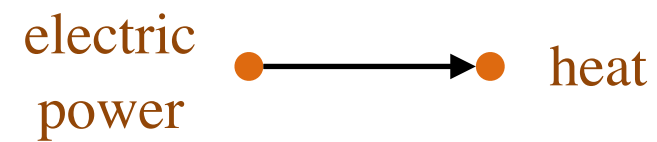
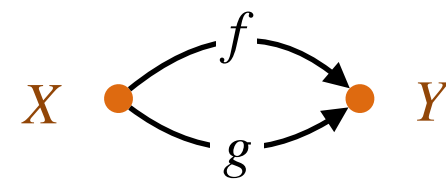
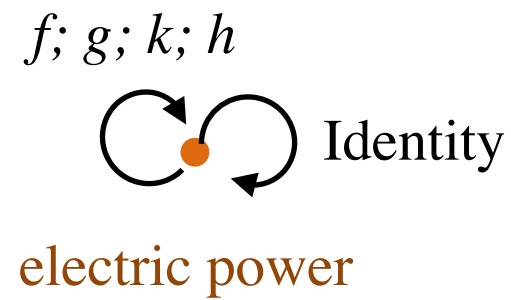
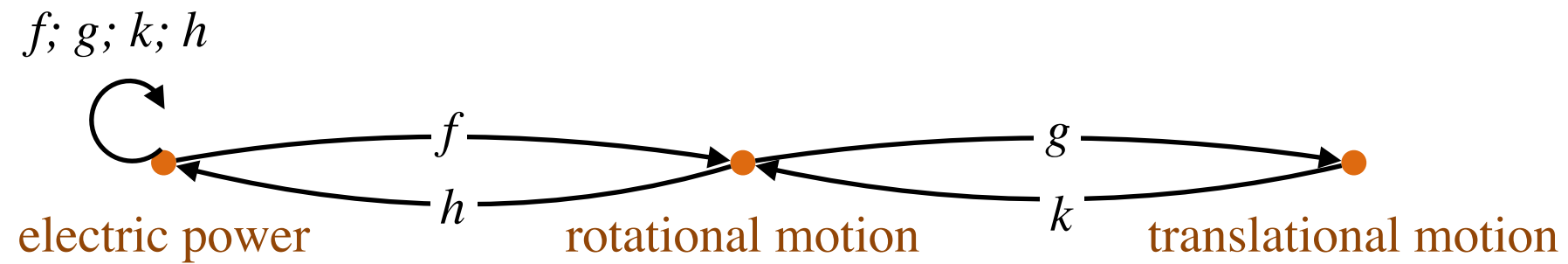


categories



(category product)

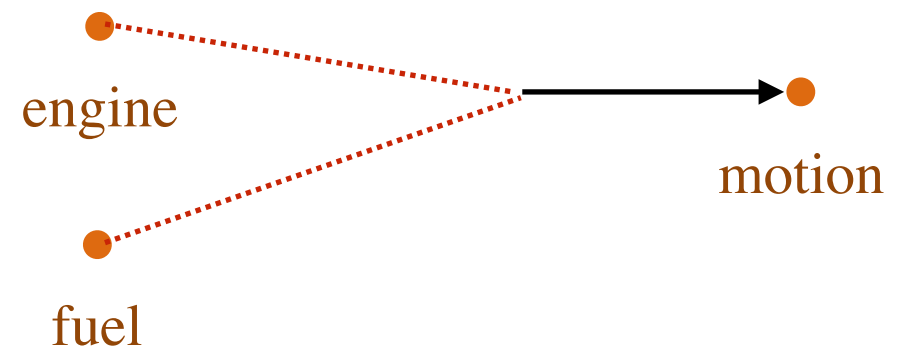


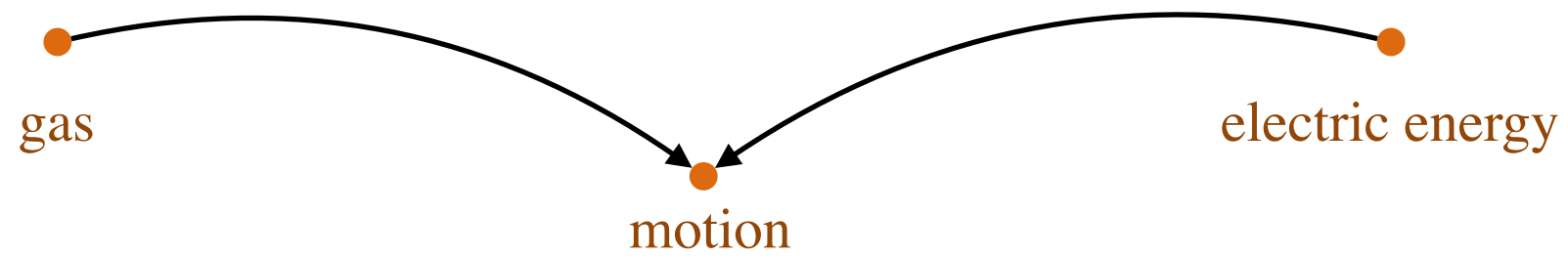


●
engine

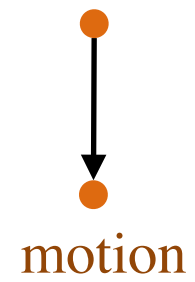
●
fuel

●
motion

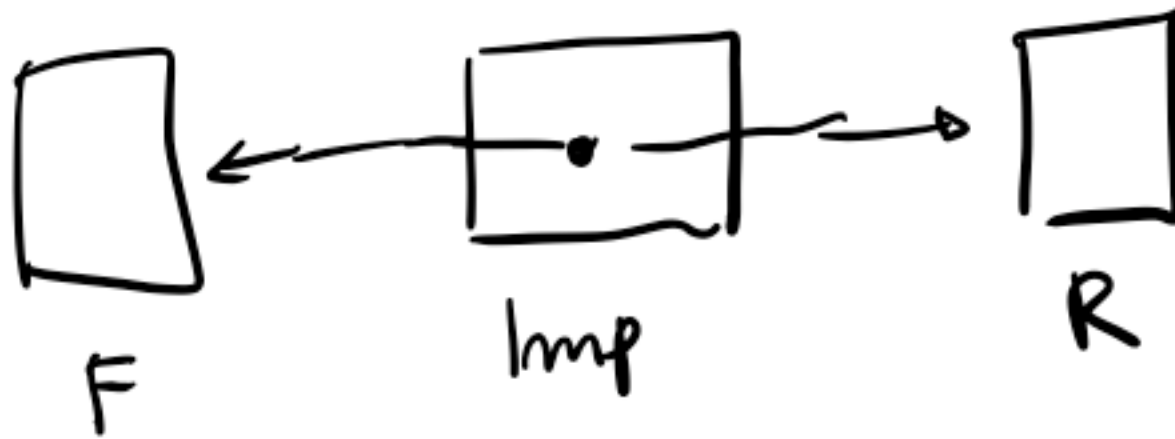




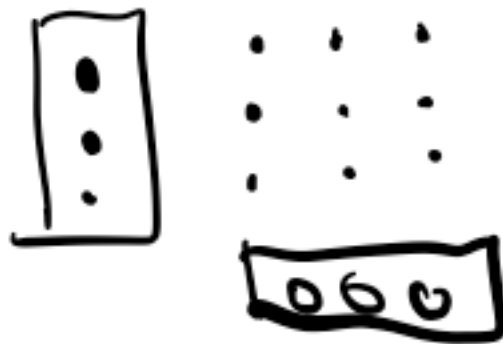
either gas **or** electric energy



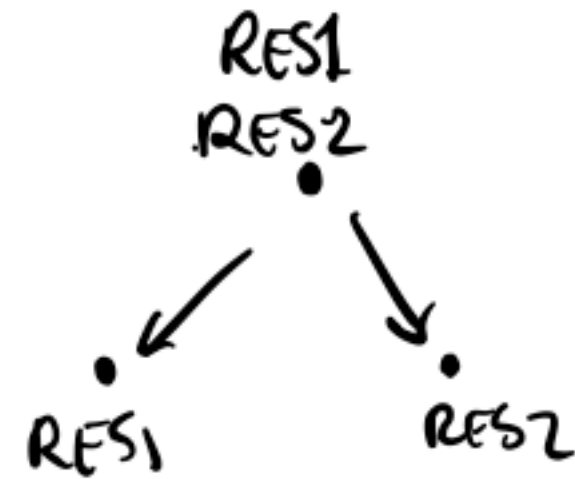
F-I-R



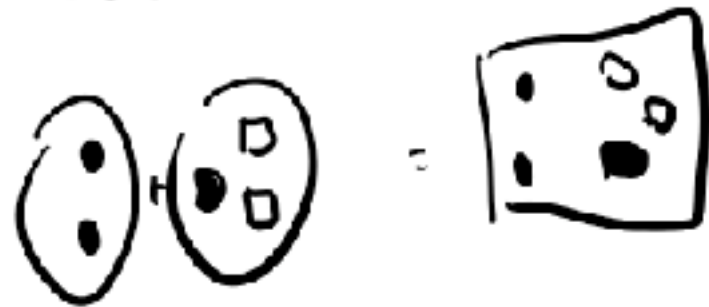
CARTESIAN - PRODUCT



RESOURCE PRODUCT



DISJOINT UNION



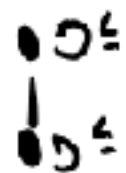
DISJOINT UNION - SAME



SINGLETON



BOOLEAN



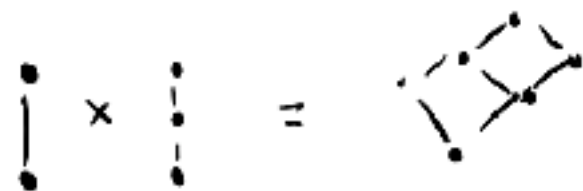
HASSE



OPPOSITE



POSET PRODUCT



POSET COPRODUCT

