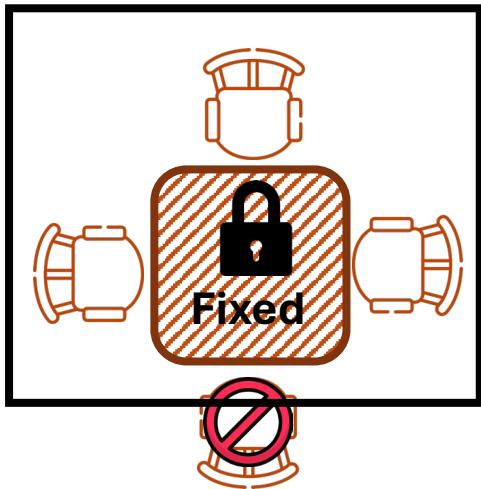
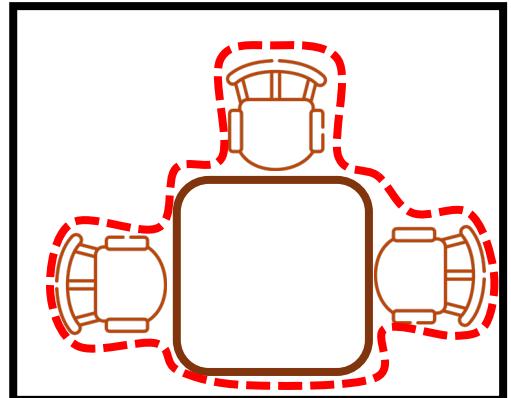


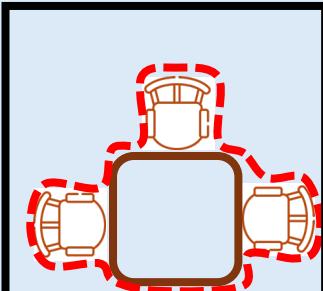
Optimization with Rigid Hierarchy



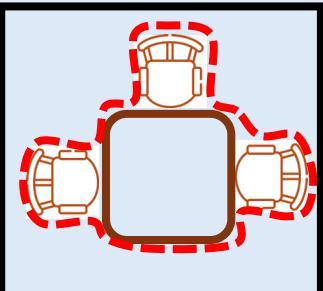
Cluster-based optimization



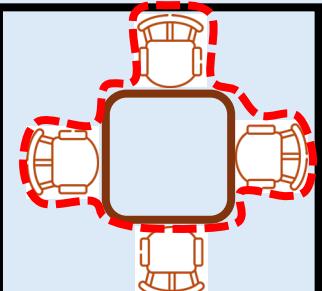
A movable cluster of objects



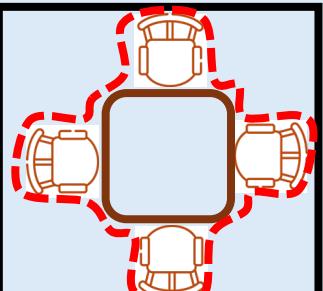
Identify Cluster



Cluster Move



Place chair



Add chair to cluster