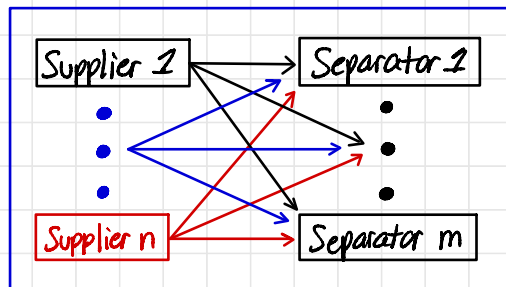
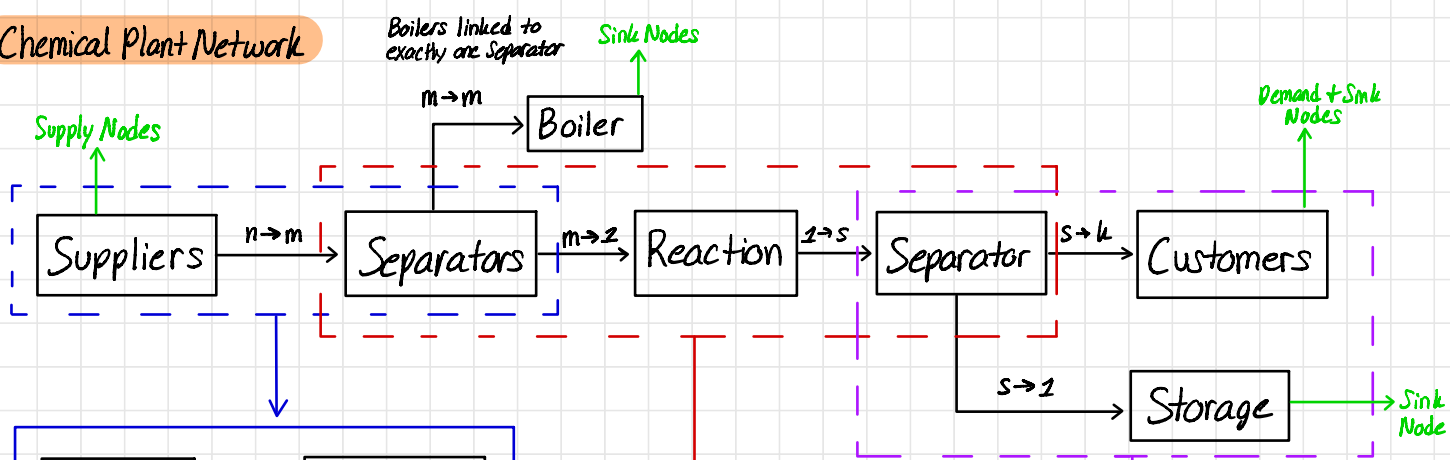
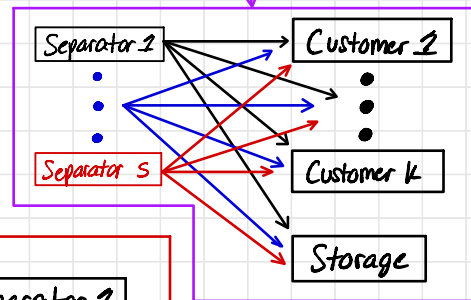


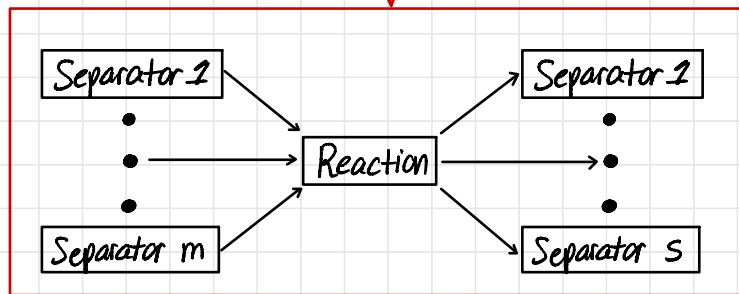
Chemical Plant Network



Arcs feature varied cost (from transportation) and different capacities



($s \rightarrow k$) Arcs feature different profits and across all arcs, we must meet customer demand
 ($s \rightarrow 1$) Arcs offer alternative option to selling or product in current time period (set profit)



($m \rightarrow z$) Arcs feature different costs (from transportation).
 ($z \rightarrow s$) Arcs feature multiple tradeoffs based on differences in separator priorities

All Arcs: must be non-negative, have associated cost (negative cost resembles profit), some have capacity constraints
 All Nodes: comes in = comes out