



**(a) Aggregated Graph**

**(b) Star Partitioning**

**(c) Apriori Enumerator**

Snapshot  
Clusters

Map

Reduce

**Star Partitioning and Apriori Enumerator**

**Pattern Set**

$o_3, o_4, o_5$

$o_5, o_6, o_7$

...