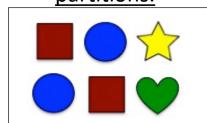
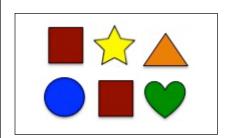
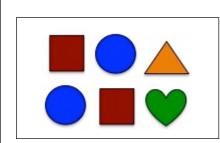
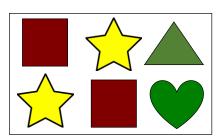


# STEP 0 – STORE TO HDFS Assume 4 data partitions.

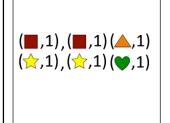


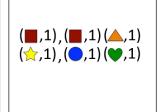


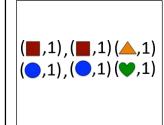


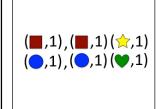


### 1 - MAP

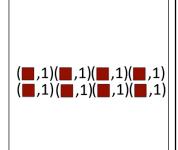




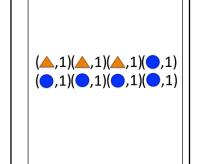




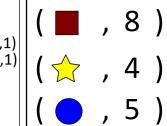
## 2 - SHUFFLE and SORT







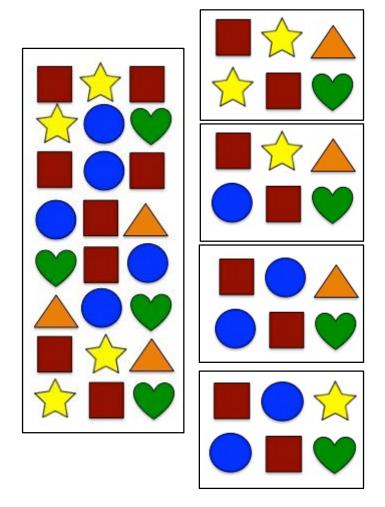
#### 3 - REDUCE





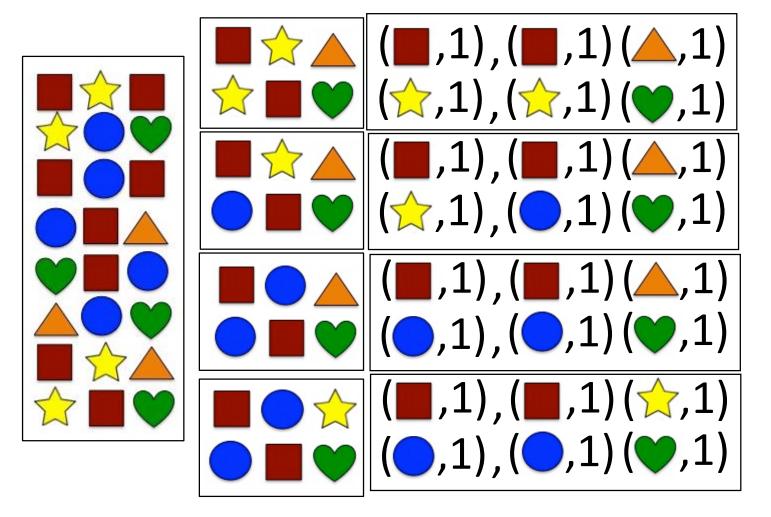


# Step 0 – Store to HDFS 4 nodes



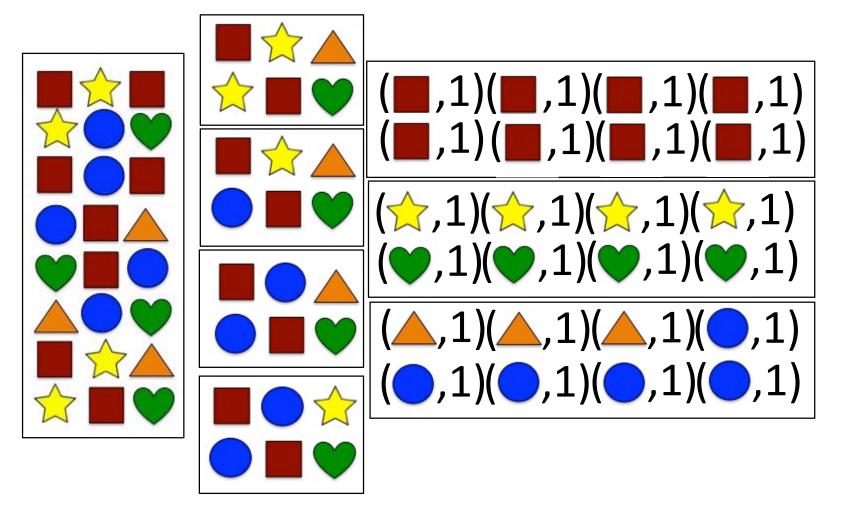
### Step 1 – Map the Data

Key-Value pairs



### Step 2 – Sort and Shuffle

Same Keys to same Node



### Step 3 – Reduce

Add values for same Keys

