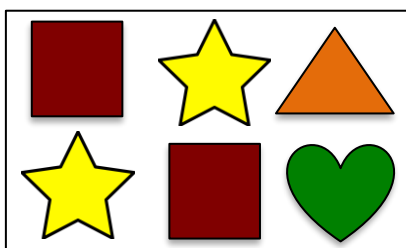
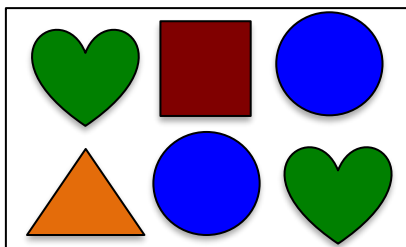
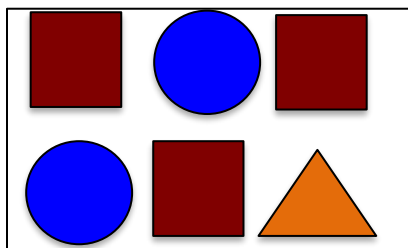
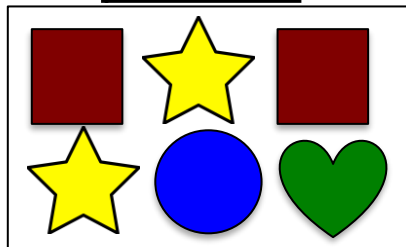
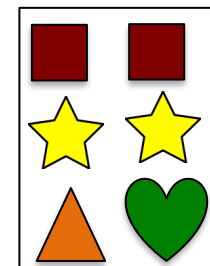
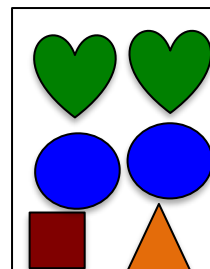
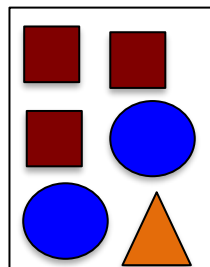
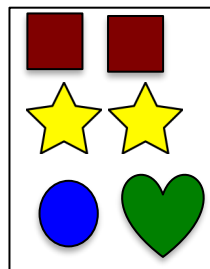


## STEP 0 – STORE TO HDFS

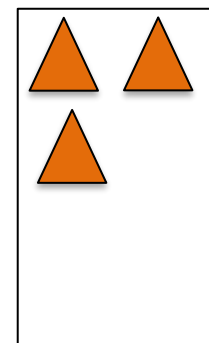
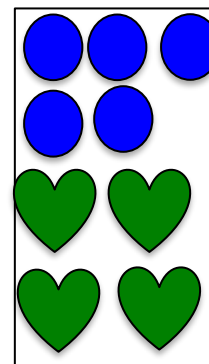
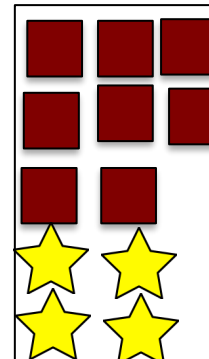
Assume 4 data  
partitions.



## 1 - MAP




## 2 – SHUFFLE and SORT



## 3 - REDUCE

(  , 8 )

(  , 4 )

(  , 5 )

(  , 4 )

(  , 3 )