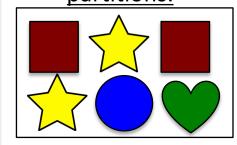
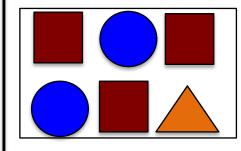
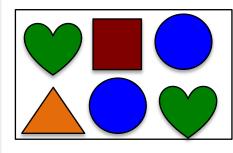


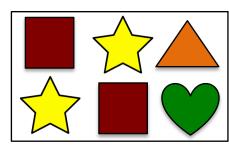
# STEP 0 – STORE TO HDFS

Assume 4 data partitions.

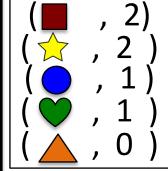


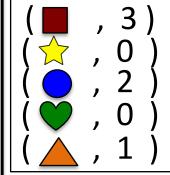


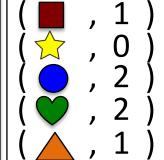




### 1 - MAP



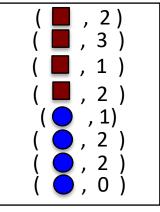


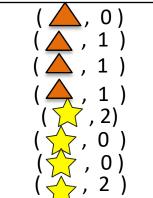


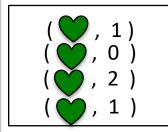
	, 2 )
( 吞	, 2 )
	, 0 )
	, 1)
	, 1 )

#### - JHUFFLE

### and SORT







## 3 - REDUCE

$$(\bigcirc, 5)$$