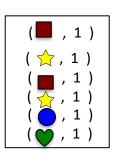


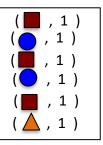
## **1-MAP**

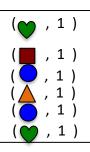
STEP 0 -

**HDFS** 

partitions.

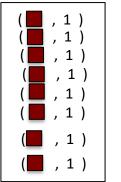


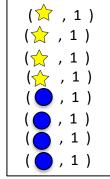


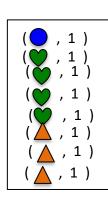


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## 2 - SHUFFLE and SORT









3 - REDUCE



