Broadcast stage(end_node_id 15): item,10000FileScan->Filter->Project->BroadcastExchange

Broadcast stage(end_node_id 21): date_dim,10000FileScan->Filter->Project->BroadcastExchange

Broadcast stage(end_node_id 25): store,10000FileScan->Filter->BroadcastExchange

First stage (end_node_id 7): File Scan store_sales,12173.9FileScan->Filter->BroadcastHashJoin->Project->BroadcastHashJoin->Project->BroadcastHashJoin->Project->HashAggregate->ExchangeHashpartitioning

NormalStage (end_node_id 5): length of beginNodesToChains is 1
[1,0,0,1,0,0,0,0]
Chain 0 is : HashAggregate(keys=[i_manager_id#22, d_moy#55], functions=[sum(ss_sales_price#37)])
HashAggregate->ExchangeHashpartitioning

NormalStage (end_node_id 0): length of beginNodesToChains is 1
[1,0,1,0,1,0,1,0]
Chain 0 is : Sort [i_manager_id#22 ASC NULLS FIRST], false, 0
Sort->Empty->Filter->Project->TakeOrderedAndProject