

Broadcast stage(end_node_id 16): date_dim,10000FileScan->Filter->Project->BroadcastExchange

Broadcast stage(end_node_id 20): store,10000FileScan->Filter->Project->BroadcastExchange

Broadcast stage(end_node_id 24): household_demographics,10000FileScan->Filter->Project->BroadcastExchange

First stage (end_node_id 6): File Scan store_sales,24347.8FileScan->Filter->BroadcastHashJoin->Project->BroadcastHashJoin->Project->BroadcastHashJoin->Project->HashAggregate->ExchangeHashpartitioning

First stage (end_node_id 29): File Scan customer,2212.5FileScan->Filter->ExchangeHashpartitioning

NormalStage (end_node_id 4): length of beginNodesToChains is 1
[1,0,0,1,0,0,0,0]
Chain 0 is : HashAggregate(keys=[ss_ticket_number#11L, ss_customer_sk#5, ss_addr_sk#8, s_city#75], functions=[sum(ss_coupon_amt#21), sum(ss_net_profit#24)])
HashAggregate->ExchangeHashpartitioning

NormalStage (end_node_id 0): length of beginNodesToChains is 2
[2,0,2,0,2,2,0,0]
Chain 0 is : Sort [ss_customer_sk#5 ASC NULLS FIRST], false, 0
Sort->SortMergeJoin->Project->TakeOrderedAndProject
Chain 1 is : Sort [c_customer_sk#87 ASC NULLS FIRST], false, 0
Sort->SortMergeJoin->Project->TakeOrderedAndProject