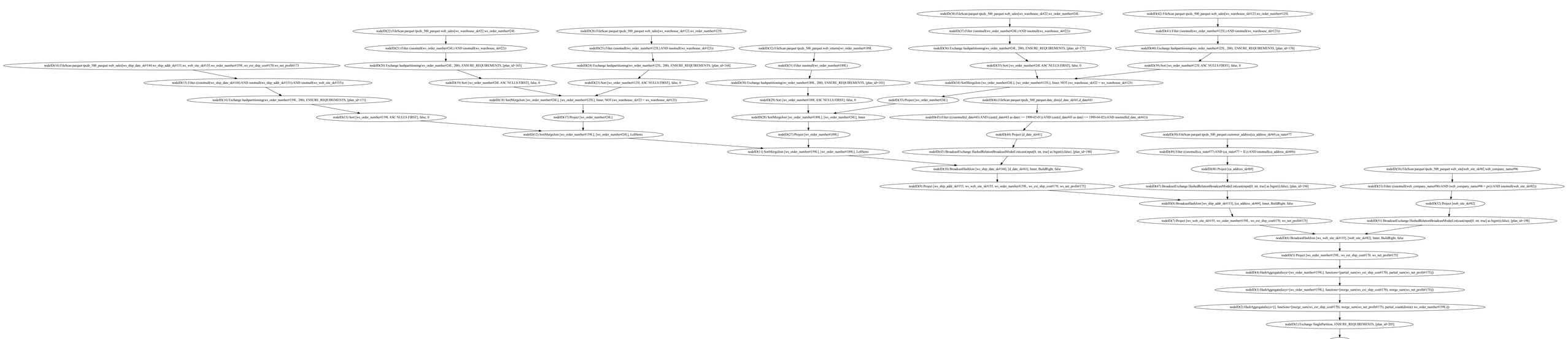
nodeID(36) FileScan parquet tpcds_500_parquet.web_sales[ws_warehouse_sk#22,ws_order_number#24L
nodeID(42) FileScan parquet tpcds_500_parquet.web_sales[ws_warehouse_sk#123,ws_order_number#125L
nodeID(22) FileScan parquet tpcds_500_parquet.web_sales[ws_warehouse_sk#22,ws_order_number#24L
nodeID(26) FileScan parquet tpcds_500_parquet.web_sales[ws_warehouse_sk#123,ws_order_number#125L
nodeID(37) Filter (isnotnull(ws_order_number#24L) AND isnotnull(ws_warehouse_sk#22))
nodeID(41) Filter (isnotnull(ws_order_number#125L) AND isnotnull(ws_warehouse_sk#123))
nodeID(21) Filter (isnotnull(ws_order_number#24L) AND isnotnull(ws_warehouse_sk#22))
nodeID(25) Filter (isnotnull(ws_order_number#125L) AND isnotnull(ws_warehouse_sk#123))
nodeID(32) FileScan parquet tpcds_500_parquet.web_returns[wr_order_number#189L
nodeID(36) Exchange hashpartitioning(ws_order_number#24L, 200), ENSURE_REQUIREMENTS, [plan_id=175]
nodeID(40) Exchange hashpartitioning(ws_order_number#125L, 200), ENSURE_REQUIREMENTS, [plan_id=176]
nodeID(16) FileScan parquet tpcds_500_parquet.web_sales[ws_ship_date_sk#144,ws_ship_addr_sk#153,ws_web_site_sk#155,ws_order_number#159L,ws_ext_ship_cost#170,ws_net_profit#175
nodeID(20) Exchange hashpartitioning(ws_order_number#24L, 200), ENSURE_REQUIREMENTS, [plan_id=163]
nodeID(24) Exchange hashpartitioning(ws_order_number#125L, 200), ENSURE_REQUIREMENTS, [plan_id=164]
nodeID(31) Filter isnotnull(wr_order_number#189L)
nodeID(35) Sort [ws_order_number#24L ASC NULLS FIRST], false, 0
nodeID(39) Sort [ws_order_number#125L ASC NULLS FIRST], false, 0
nodeID(15) Filter ((isnotnull(ws_ship_date_sk#144) AND isnotnull(ws_ship_addr_sk#153)) AND isnotnull(ws_web_site_sk#155))
nodeID(19) Sort [ws_order_number#24L ASC NULLS FIRST], false, 0
nodeID(23) Sort [ws_order_number#125L ASC NULLS FIRST], false, 0
nodeID(30) Exchange hashpartitioning(wr_order_number#189L, 200), ENSURE_REQUIREMENTS, [plan_id=183]
nodeID(34) SortMergeJoin [ws_order_number#24L], [ws_order_number#125L], Inner, NOT (ws_warehouse_sk#22 = ws_warehouse_sk#123)
nodeID(14) Exchange hashpartitioning(ws_order_number#159L, 200), ENSURE_REQUIREMENTS, [plan_id=171]
nodeID(18) SortMergeJoin [ws_order_number#24L], [ws_order_number#125L], Inner, NOT (ws_warehouse_sk#22 = ws_warehouse_sk#123)
nodeID(29) Sort [wr_order_number#189L ASC NULLS FIRST], false, 0
nodeID(33) Project [ws_order_number#24L]
nodeID(46) FileScan parquet tpcds_500_parquet.date_dim[d_date_sk#441,d_date#443
nodeID(15) Sort [ws_order_number#159L ASC NULLS FIRST], false, 0
nodeID(17) Project [ws_order_number#24L]
nodeID(28) SortMergeJoin [wr_order_number#189L], [ws_order_number#24L], Inner
nodeID(45) Filter (((isnotnull(d_date#443) AND (cast(d_date#443 as date) >= 1999-02-01)) AND (cast(d_date#443 as date) <= 1999-04-02)) AND isnotnull(d_date_sk#441))
nodeID(12) SortMergeJoin [ws_order_number#159L], [ws_order_number#24L], LeftSemi
nodeID(27) Project [wr_order_number#189L]
nodeID(44) Project [d_date_sk#441]
nodeID(50) FileScan parquet tpcds_500_parquet.customer_address[ca_address_sk#69,ca_state#77
nodeID(11) SortMergeJoin [ws_order_number#159L], [wr_order_number#189L], LeftSemi
nodeID(43) BroadcastExchange HashedRelationBroadcastMode(List(cast(input[0, int, true] as bigint)),false), [plan_id=196]
nodeID(49) Filter ((isnotnull(ca_state#77) AND (ca_state#77 = IL)) AND isnotnull(ca_address_sk#69))
nodeID(10) BroadcastHashJoin [ws_ship_date_sk#144], [d_date_sk#441], Inner, BuildRight, false
nodeID(48) Project [ca_address_sk#69]
nodeID(54) FileScan parquet tpcds_500_parquet.web_site[web_site_sk#82,web_company_name#96
nodeID(9) Project [ws_ship_addr_sk#153, ws_web_site_sk#155, ws_order_number#159L, ws_ext_ship_cost#170, ws_net_profit#175]
nodeID(47) BroadcastExchange HashedRelationBroadcastMode(List(cast(input[0, int, true] as bigint)),false), [plan_id=194]
nodeID(53) Filter ((isnotnull(web_company_name#96) AND (web_company_name#96 = pri)) AND isnotnull(web_site_sk#82))
nodeID(8) BroadcastHashJoin [ws_ship_addr_sk#153], [ca_address_sk#69], Inner, BuildRight, false
nodeID(52) Project [web_site_sk#82]
nodeID(7) Project [ws_web_site_sk#155, ws_order_number#159L, ws_ext_ship_cost#170, ws_net_profit#175]
nodeID(51) BroadcastExchange HashedRelationBroadcastMode(List(cast(input[0, int, true] as bigint)),false), [plan_id=198]
nodeID(6) BroadcastHashJoin [ws_web_site_sk#155], [web_site_sk#82], Inner, BuildRight, false
nodeID(5) Project [ws_order_number#159L, ws_ext_ship_cost#170, ws_net_profit#175]
nodeID(4) HashAggregate(keys=[ws_order_number#159L], functions=[partial_sum(ws_ext_ship_cost#170), partial_sum(ws_net_profit#175)])
nodeID(3) HashAggregate(keys=[ws_order_number#159L], functions=[merge_sum(ws_ext_ship_cost#170), merge_sum(ws_net_profit#175)])
nodeID(2) HashAggregate(keys=[], functions=[merge_sum(ws_ext_ship_cost#170), merge_sum(ws_net_profit#175), partial_count(distinct ws_order_number#159L)])
nodeID(1) Exchange SinglePartition, ENSURE_REQUIREMENTS, [plan_id=205]
nodeID(0)