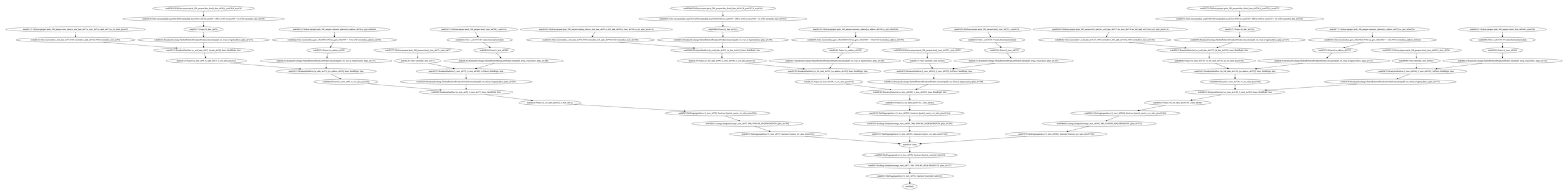

nodeID(0)

nodeID(1) HashAggregate(keys=[i_item_id#72], functions=[sum(total_sales#1)])

nodeID(2) Exchange hashpartitioning(i_item_id#72, 200), ENSURE_REQUIREMENTS, [plan_id=327]

nodeID(3) HashAggregate(keys=[i_item_id#72], functions=[partial_sum(total_sales#1)])

nodeID(4) Union

nodeID(5) HashAggregate(keys=[i_item_id#72], functions=[sum(ss_ext_sales_price#22)])

nodeID(6) Exchange hashpartitioning(i_item_id#72, 200), ENSURE_REQUIREMENTS, [plan_id=288]

nodeID(7) HashAggregate(keys=[i_item_id#72], functions=[partial_sum(ss_ext_sales_price#22)])

nodeID(8) Project [ss_ext_sales_price#22, i_item_id#72]

nodeID(9) BroadcastHashJoin [ss_item_sk#9], [i_item_sk#71], Inner, BuildRight, false

nodeID(10) Project [ss_item_sk#9, ss_ext_sales_price#22]

nodeID(11) BroadcastHashJoin [ss_addr_sk#13], [ca_address_sk#58], Inner, BuildRight, false

nodeID(12) Project [ss_item_sk#9, ss_addr_sk#13, ss_ext_sales_price#22]

nodeID(13) BroadcastHashJoin [ss_sold_date_sk#7], [d_date_sk#30], Inner, BuildRight, false

nodeID(14) Filter ((isnotnull(ss_sold_date_sk#7) AND isnotnull(ss_addr_sk#13)) AND isnotnull(ss_item_sk#9))

nodeID(15) FileScan parquet tpcds_500_parquet.store_sales[ss_sold_date_sk#7,ss_item_sk#9,ss_addr_sk#13,ss_ext_sales_price#22

nodeID(16) BroadcastExchange HashedRelationBroadcastMode(List(cast(input[0, int, true] as bigint)),false), [plan_id=273]

nodeID(17) Project [d_date_sk#30]

nodeID(18) Filter ((((isnotnull(d_year#36) AND isnotnull(d_moy#38)) AND (d_year#36 = 2001)) AND (d_moy#38 = 2)) AND isnotnull(d_date_sk#30))

nodeID(19) FileScan parquet tpcds_500_parquet.date_dim[d_date_sk#30,d_year#36,d_moy#38

nodeID(20) BroadcastExchange HashedRelationBroadcastMode(List(cast(input[0, int, true] as bigint)),false), [plan_id=277]

nodeID(21) Project [ca_address_sk#58]

nodeID(22) Filter ((isnotnull(ca_gmt_offset#69) AND (ca_gmt_offset#69 = -5.0)) AND isnotnull(ca_address_sk#58))

nodeID(23) FileScan parquet tpcds_500_parquet.customer_address[ca_address_sk#58,ca_gmt_offset#69

nodeID(24) BroadcastExchange HashedRelationBroadcastMode(List(cast(input[0, int, false] as bigint)),false), [plan_id=283]

nodeID(25) BroadcastHashJoin [i_item_id#72], [i_item_id#300], LeftSemi, BuildRight, false

nodeID(26) Filter isnotnull(i_item_sk#71)

nodeID(27) FileScan parquet tpcds_500_parquet.item[i_item_sk#71,i_item_id#72

nodeID(28) BroadcastExchange HashedRelationBroadcastMode(List(input[0, string, true]),false), [plan_id=280]

nodeID(29) Project [i_item_id#300]

nodeID(30) Filter i_color#316 IN (slate,blanched,burnished)

nodeID(31) FileScan parquet tpcds_500_parquet.item[i_item_id#300,i_color#316

nodeID(32) HashAggregate(keys=[i_item_id#203], functions=[sum(cs_ext_sales_price#116)])

nodeID(33) Exchange hashpartitioning(i_item_id#203, 200), ENSURE_REQUIREMENTS, [plan_id=305]

nodeID(34) HashAggregate(keys=[i_item_id#203], functions=[partial_sum(cs_ext_sales_price#116)])

nodeID(35) Project [cs_ext_sales_price#116, i_item_id#203]

nodeID(36) BroadcastHashJoin [cs_item_sk#108], [i_item_sk#202], Inner, BuildRight, false

nodeID(37) Project [cs_item_sk#108, cs_ext_sales_price#116]

nodeID(38) BroadcastHashJoin [cs_bill_addr_sk#99], [ca_address_sk#189], Inner, BuildRight, false

nodeID(39) Project [cs_bill_addr_sk#99, cs_item_sk#108, cs_ext_sales_price#116]

nodeID(40) BroadcastHashJoin [cs_sold_date_sk#93], [d_date_sk#161], Inner, BuildRight, false

nodeID(41) Filter ((isnotnull(cs_sold_date_sk#93) AND isnotnull(cs_bill_addr_sk#99)) AND isnotnull(cs_item_sk#108))

nodeID(42) FileScan parquet tpcds_500_parquet.catalog_sales[cs_sold_date_sk#93,cs_bill_addr_sk#99,cs_item_sk#108,cs_ext_sales_price#116

nodeID(43) BroadcastExchange HashedRelationBroadcastMode(List(cast(input[0, int, true] as bigint)),false), [plan_id=290]

nodeID(44) Project [d_date_sk#161]

nodeID(45) Filter ((((isnotnull(d_year#167) AND isnotnull(d_moy#169)) AND (d_year#167 = 2001)) AND (d_moy#169 = 2)) AND isnotnull(d_date_sk#161))

nodeID(46) FileScan parquet tpcds_500_parquet.date_dim[d_date_sk#161,d_year#167,d_moy#169

nodeID(47) BroadcastExchange HashedRelationBroadcastMode(List(cast(input[0, int, true] as bigint)),false), [plan_id=294]

nodeID(48) Project [ca_address_sk#189]

nodeID(49) Filter ((isnotnull(ca_gmt_offset#200) AND (ca_gmt_offset#200 = -5.0)) AND isnotnull(ca_address_sk#189))

nodeID(50) FileScan parquet tpcds_500_parquet.customer_address[ca_address_sk#189,ca_gmt_offset#200

nodeID(51) BroadcastExchange HashedRelationBroadcastMode(List(cast(input[0, int, false] as bigint)),false), [plan_id=300]

nodeID(52) BroadcastHashJoin [i_item_id#203], [i_item_id#322], LeftSemi, BuildRight, false

nodeID(53) Filter isnotnull(i_item_sk#202)

nodeID(54) FileScan parquet tpcds_500_parquet.item[i_item_sk#202,i_item_id#203

nodeID(55) BroadcastExchange HashedRelationBroadcastMode(List(input[0, string, true]),false), [plan_id=297]

nodeID(56) Project [i_item_id#322]

nodeID(57) Filter i_color#338 IN (slate,blanched,burnished)

nodeID(58) FileScan parquet tpcds_500_parquet.item[i_item_id#322,i_color#338

nodeID(59) HashAggregate(keys=[i_item_id#266], functions=[sum(ws_ext_sales_price#150)])

nodeID(60) Exchange hashpartitioning(i_item_id#266, 200), ENSURE_REQUIREMENTS, [plan_id=322]

nodeID(61) HashAggregate(keys=[i_item_id#266], functions=[partial_sum(ws_ext_sales_price#150)])

nodeID(62) Project [ws_ext_sales_price#150, i_item_id#266]

nodeID(63) BroadcastHashJoin [ws_item_sk#130], [i_item_sk#265], Inner, BuildRight, false

nodeID(64) Project [ws_item_sk#130, ws_ext_sales_price#150]

nodeID(65) BroadcastHashJoin [ws_bill_addr_sk#134], [ca_address_sk#252], Inner, BuildRight, false

nodeID(66) Project [ws_item_sk#130, ws_bill_addr_sk#134, ws_ext_sales_price#150]

nodeID(67) BroadcastHashJoin [ws_sold_date_sk#127], [d_date_sk#224], Inner, BuildRight, false

nodeID(68) Filter ((isnotnull(ws_sold_date_sk#127) AND isnotnull(ws_bill_addr_sk#134)) AND isnotnull(ws_item_sk#130))

nodeID(69) FileScan parquet tpcds_500_parquet.web_sales[ws_sold_date_sk#127,ws_item_sk#130,ws_bill_addr_sk#134,ws_ext_sales_price#150

nodeID(70) BroadcastExchange HashedRelationBroadcastMode(List(cast(input[0, int, true] as bigint)),false), [plan_id=307]

nodeID(71) Project [d_date_sk#224]

nodeID(72) Filter ((((isnotnull(d_year#230) AND isnotnull(d_moy#232)) AND (d_year#230 = 2001)) AND (d_moy#232 = 2)) AND isnotnull(d_date_sk#224))

nodeID(73) FileScan parquet tpcds_500_parquet.date_dim[d_date_sk#224,d_year#230,d_moy#232

nodeID(74) BroadcastExchange HashedRelationBroadcastMode(List(cast(input[0, int, true] as bigint)),false), [plan_id=311]

nodeID(75) Project [ca_address_sk#252]

nodeID(76) Filter ((isnotnull(ca_gmt_offset#263) AND (ca_gmt_offset#263 = -5.0)) AND isnotnull(ca_address_sk#252))

nodeID(77) FileScan parquet tpcds_500_parquet.customer_address[ca_address_sk#252,ca_gmt_offset#263

nodeID(78) BroadcastExchange HashedRelationBroadcastMode(List(cast(input[0, int, false] as bigint)),false), [plan_id=317]

nodeID(79) BroadcastHashJoin [i_item_id#266], [i_item_id#344], LeftSemi, BuildRight, false

nodeID(80) Filter isnotnull(i_item_sk#265)

nodeID(81) FileScan parquet tpcds_500_parquet.item[i_item_sk#265,i_item_id#266

nodeID(82) BroadcastExchange HashedRelationBroadcastMode(List(input[0, string, true]),false), [plan_id=314]

nodeID(83) Project [i_item_id#344]

nodeID(84) Filter i_color#360 IN (slate,blanched,burnished)

nodeID(85) FileScan parquet tpcds_500_parquet.item[i_item_id#344,i_color#360