	nodeID(16) FileScan parquet tpcds_100_parquet.store[s_store_sk#23]
nodeID(13) FileScan parquet tpcds_100_parquet.store_sales[ss_sold_date_sk#0,ss_cdemo_sk#4,ss_addr_sk#6,ss_store_sk#7,ss_quantity#10,ss_sales_price#13,ss_net_profit#22]	nodelD(15) Filter isnotnull(s_store_sk#23)
nodeID(12) Filter (((((isnotnull(ss_store_sk#7) AND isnotnull(ss_store_sk#7) AND isnotnull(ss_store_sk#4)) AND (((ss_net_profit#22 >= 50.0) AND (ss_net_profit#22 >= 50.0) AND (ss_net_pr	nodeID(14) BroadcastExchange HashedRelationBroadcastMode(List(cast(input[0, int, false] as bigint)),false), [plan_id=92] nodeID(19) FileScan parquet tpcds_100_parquet.customer_demographics[cd_demo_sk#52,cd_marital_status#54,cd_education_status#55]
	nodeID(11) BroadcastHashJoin [ss_store_sk#7], [s_store_sk#23], Inner, BuildRight, false nodeID(18) Filter (isnotnull(cd_demo_sk#52) AND (((cd_marital_status#54 = D) AND (cd_education_status#55 = 2 yr Degree))) OR ((cd_marital_status#54 = D) AND (cd_education_status#55 = 2 yr Degree))) OR ((cd_marital_status#54 = D) AND (cd_education_status#55 = 2 yr Degree))) OR ((cd_marital_status#54 = D) AND (cd_education_status#55 = 2 yr Degree))) OR ((cd_marital_status#54 = D) AND (cd_education_status#55 = 2 yr Degree))))
	nodeID(10) Project [ss_sold_date_sk#0, ss_cdemo_sk#4, ss_addr_sk#6, ss_quantity#10, ss_sales_price#13, ss_net_profit#22] nodeID(17) BroadcastExchange HashedRelationBroadcastMode(List(cast(input[0, int, false] as bigint)), false), [plan_id=96] nodeID(17) BroadcastExchange HashedRelationBroadcastMode(List(cast(input[0, int, false] as bigint)), false), [plan_id=96] nodeID(17) BroadcastExchange HashedRelationBroadcastMode(List(cast(input[0, int, false] as bigint)), false), [plan_id=96] nodeID(17) BroadcastExchange HashedRelationBroadcastMode(List(cast(input[0, int, false) as bigint)), false), [plan_id=96] nodeID(17) BroadcastExchange HashedRelationBroadcastMode(List(cast(input[0, int, false) as bigint)), false), [plan_id=96] nodeID(18) Project [ss_sold_date_sk#0, ss_cdemo_sk#4, ss_addr_sk#6, ss_quantity#10, ss_sales_price#13, ss_net_profit#22] nodeID(18) Project [ss_sold_date_sk#0, ss_date_sk#0, ss_date_
	nodeID(9) BroadcastHashJoin [ss_cdemo_sk#4], [cd_demo_sk#52], Inner, BuildRight, ((((cd_marital_status#54 = D)AND (ss_sales_price#13 >= 100.0)) AND (ss_sales_price#13 >= 100.0)
	nodeID(8) Project [ss_sold_date_sk#0, ss_addr_sk#6, ss_quantity#10, ss_net_profit#22] nodeID(20) BroadcastExchange HashedRelationBroadcastMode(List(cast(input[0, int, true] as bigint)),false), [plan_id=100] nodeID(20) BroadcastExchange HashedRelationBroadcastMode(List(cast(input[0, int, true] as bigint)),false), [plan_id=100]
	nodeID(7) BroadcastHashJoin [ss_addr_sk#6], [ca_address_sk#61], Inner, BuildRight, ((((ca_state#69 IN (CO,OH,TX) AND (ss_net_profit#22 \leq 25000.0)))) OR ((ca_state#69 IN (VA,CA,MS) AND (ss_net_profit#22 \leq 25000.0))), false
	nodeID(6) Project [ss_sold_date_sk#0, ss_quantity#10] nodeID(24) BroadcastExchange HashedRelationBroadcastMode(List(cast(input[0, int, true] as bigint)),false), [plan_id=104]
	nodeID(5) BroadcastHasnJoin [ss_sold_date_sk#0], [d_date_sk#/4], inner, BuildRight, false
	nodeID(4) Project [ss_quantity#10]
	nodeID(3) HashAggregate(keys=[], functions=[partial_sum(ss_quantity#10)])
	nodelD(2) Exchange SinglePartition, ENSURE REOUIREMENTS, [plan id=109]
	ilodeid/(2) Exchaige Shigheraludoil, ENSUKE_REQUIREMENTS, [piaii_id=109]
	nodeID(1) HashAggregate(keys=[], functions=[sum(ss_quantity#10)])
	nodelD(0)