```
BLOCK entry {
IF §SELECT NOT EXISTS(SELECT 1 FROM orders AS o WHERE o.o_orderkey = {0})§[orderkey]
 THEN GOTO truthy0
ELSE GOTO falsey0
                       BLOCK falsey0 {
   BLOCK truthy0 {
                         current_item <- §SELECT MAX(1.l_linenumber) FROM lineitem AS 1 WHERE 1.l_orderkey = {0}§[orderkey];</pre>
     STOP
                         GOTO inter0
                                                                   BLOCK inter0 {
                                                                     GOTO loop_head
                                                             BLOCK loop_head {
                                                               IF §{0} < 1§[current_item]</pre>
                                                               THEN GOTO truthy1
                                                               ELSE GOTO falsey1
                                        BLOCK falsey1 {
                                          lineitem <- §SELECT (l.l_partkey, l.l_suppkey, l.l_quantity)</pre>
                   BLOCK truthy1 {
                                                        FROM
                                                              lineitem AS l
                     GOTO loop_exit
                                                        WHERE l.l_orderkey = {0}
                                                               l.l_linenumber = {1}\s[orderkey, current_item];
                                                        AND
                                           GOTO inter2
                                         BLOCK inter2 {
                                           cur_supplier <- §SELECT (ps.ps_suppkey, ps.ps_supplycost)</pre>
                  BLOCK loop_exit {
                                                                   partsupp AS ps
                                                            FROM
                    GOTO merge0
                                                            WHERE ps.ps_partkey = {0}.l_partkey
                                                                   ps.ps_suppkey = {0}.l_suppkey§[lineitem];
                                                            AND
                                           GOTO inter3
                                             BLOCK inter3 {
                                               min_supplier <- §SELECT (ps.ps_suppkey, ps.ps_supplycost)</pre>
                                                                        partsupp AS ps
                                                                 FROM
                    BLOCK merge0 {
                                                                WHERE ps.ps_partkey = {0}.l_partkey
                      STOP
                                                                        ps.ps_availqty >= {0}.l_quantity
                                                                ORDER BY ps.ps_supplycost, ps.ps_suppkey
                                                                LIMIT 1§[lineitem];
                                               GOTO inter4
                                         BLOCK inter4 {
                                           IF §{0}.ps_suppkey <> {1}.ps_suppkey§[cur_supplier, min_supplier]
                                           THEN GOTO truthy2
                                           ELSE GOTO falsey2
                                    BLOCK truthy2 {
                                      EMIT §{{
                                        part: {0}.l_partkey,
                                        savings: (1 - {2}.ps_supplycost / {1}.ps_supplycost) * 100,
                                        old_supp: {1}.ps_suppkey,
                                        new_supp: {2}.ps_suppkey
                                      }}§[lineitem, cur_supplier, min_supplier];
                                      GOTO inter5
                                                                 BLOCK inter5 {
                                                                                           BLOCK falsey2 {
                                                                   GOTO merge2
                                                                                              GOTO merge2
                                                                   BLOCK merge2 {
                                                                     current_item <- §{0} - 1§[current_item];</pre>
                                                                     GOTO inter6
                                                                                         BLOCK inter6 {
                                                                                           GOTO merge1
                                                                                              BLOCK merge1 {
                                                                                                JUMP loop_head
```