```
BLOCK entry {
                                                                                               n <- §SELECT COUNT(*) :: int FROM lineitem AS 1 WHERE 1.1_orderkey = {0}§[orderkey];</pre>
                                                                                               GOTO inter0
                                                             BLOCK inter0 {
                                                               IF §{0} = 0 OR capacity < (SELECT MAX(p.p_size) FROM lineitem AS l, part AS p WHERE l.l_orderkey = {1} AND l.l_partkey = p.p_partkey)§[n, orderkey]
                                                               THEN STOP
                                                               ELSE GOTO falsey0
                                                                                                                         BLOCK falsey0 {
                                                                                                                           items <-\S(1 \ll \{0\}) - 1\S[n];
                                                                                                                           GOTO outer_head
                                                                                                                              BLOCK outer_head {
                                                                                                                                IF \S{0} = 0\S[items]
                                                                                                                                THEN STOP
                                                                                                                                ELSE GOTO falsey1
                                                                                                              BLOCK falsey1 {
                                                                                                                max_size <- §0§[];
                                                                                                                max_subset <- §0§[];</pre>
                                                                                                                subset <- \S{0} \& -\{0\}\S[items];
                                                                                                                GOTO inner_1_head
BLOCK inner_1_head {
 size <- §SELECT SUM(p.p_size) FROM lineitem AS l, part AS p WHERE l.l_orderkey = {0} AND {1} & (1 << l.l_linenumber - 1) <> 0 AND l.l_partkey = p.p_partkey§[orderkey, subset];
 GOTO inter5
                                                            BLOCK inter5 {
                                                              IF §{0} <= {1} AND {0} > {2}§[size, capacity, max_size]
                                                              THEN GOTO truthy2
                                                              ELSE IF \S{0} = \{1\}\S[\text{subset, items}]
                                                                   THEN GOTO truthy3
                                                                   ELSE GOTO falsey3
                                                                                 BLOCK truthy2 {
                                                                                   max_size <- §{0}§[size];
                                                                                   max_subset <- §{0}§[subset];</pre>
                                                                                   IF §{0} = {1}§[subset, items]
                                                                                   THEN GOTO truthy3
                                                                                   ELSE GOTO falsey3
                                                                     BLOCK truthy3 {
                                                                                                BLOCK falsey3 {
                                                                       pack <- §''§[];
                                                                                                   subset <- \S{0} & ({1} - {0})\S[items, subset];
                                                                       linenumber <- §0§[];
                                                                                                   JUMP inner_1_head
                                                                       GOTO inner_2_head
                                                                BLOCK inner_2_head {
                                                                  linenumber <- §{0} + 1§[linenumber];</pre>
                                                                  GOTO inter12
                                                                      BLOCK inter12 {
                                                                        IF \{0\} > \{1\} [linenumber, n]
                                                                        THEN GOTO truthy4
                                                                        ELSE IF \S{0} & (1 \ll \{1\} - 1) \ll 0 [max_subset, linenumber]
                                                                             THEN GOTO truthy5
                                                                              ELSE GOTO falsey5
                                                                                                                                                          BLOCK truthy4 {
                                                              BLOCK truthy5 {
                                                                                                  BLOCK falsey5 {
                                                                                                                                                            EMIT §{0}§[pack];
                                                                pack <- §{0} || '#'§[pack];
                                                                                                    pack <- §{0} || '.'§[pack];
                                                                                                                                                            items <- \S{0} \& (-{1} - 1)\S[items, max\_subset];
                                                                JUMP inner_2_head
                                                                                                    JUMP inner_2_head
                                                                                                                                                            JUMP outer_head
```