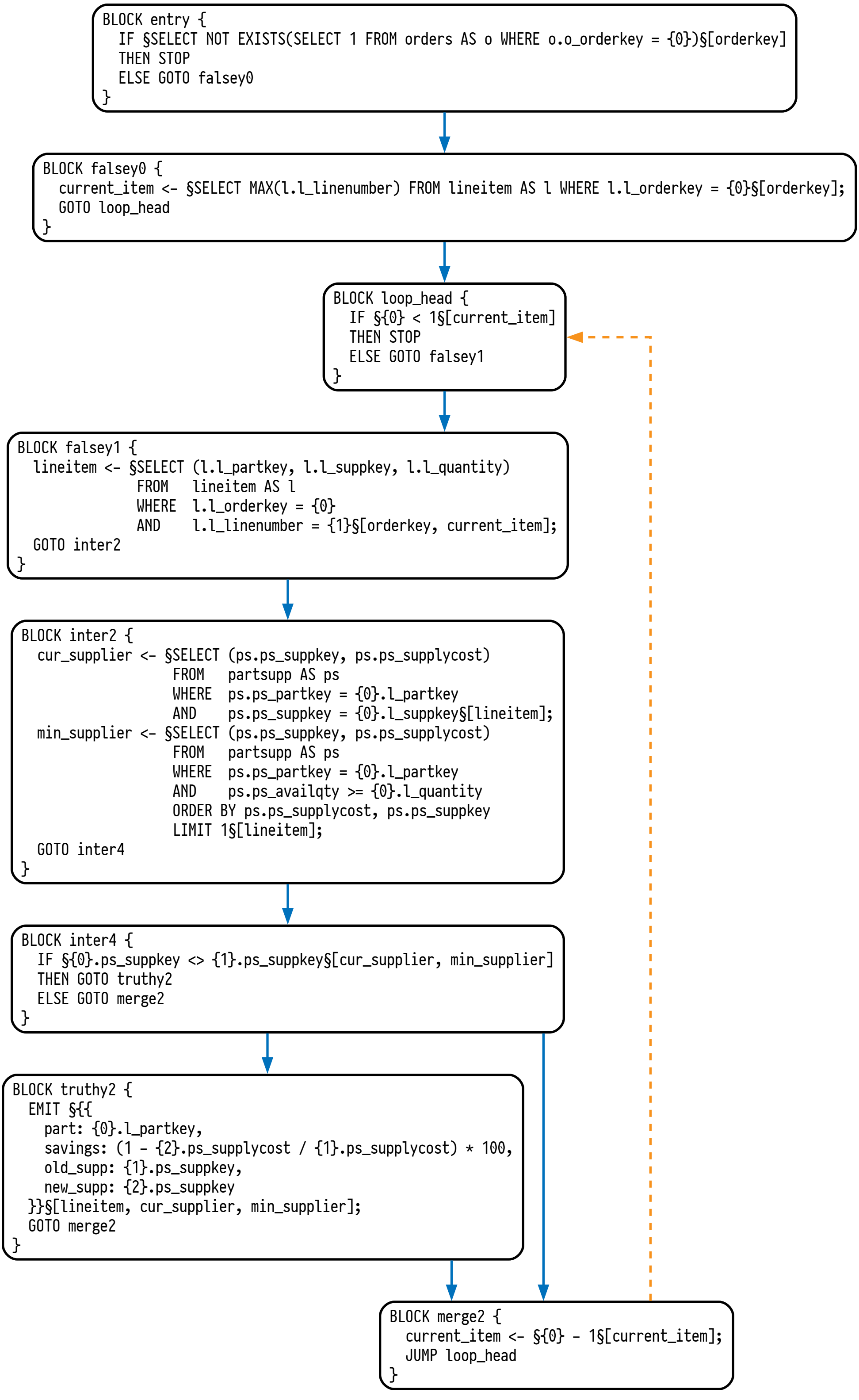
BLOCK entry {
IF §SELECT NOT EXISTS(SELECT 1 FROM orders AS o WHERE o.o_orderkey = {0})§[orderkey]
THEN STOP
ELSE GOTO falsey0
}
BLOCK falsey0 {
current_item <- §SELECT MAX(l.l_linenumber) FROM lineitem AS l WHERE l.l_orderkey = {0}§[orderkey];
GOTO loop_head
}
BLOCK loop_head {
IF §{0} < 1§[current_item]
THEN STOP
ELSE GOTO falsey1
}
BLOCK falsey1 {
lineitem <- §SELECT (l.l_partkey, l.l_suppkey, l.l_quantity)
FROM lineitem AS l
WHERE l.l_orderkey = {0}
AND l.l_linenumber = {1}§[orderkey, current_item];
GOTO inter2
}
BLOCK inter2 {
cur_supplier <- §SELECT (ps.ps_suppkey, ps.ps_supplycost)
FROM partsupp AS ps
WHERE ps.ps_partkey = {0}.l_partkey
AND ps.ps_suppkey = {0}.l_suppkey§[lineitem];
min_supplier <- §SELECT (ps.ps_suppkey, ps.ps_supplycost)
FROM partsupp AS ps
WHERE ps.ps_partkey = {0}.l_partkey
AND 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 merge2
}
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 merge2
}
BLOCK merge2 {
current_item <- §{0} - 1§[current_item];
JUMP loop_head
}