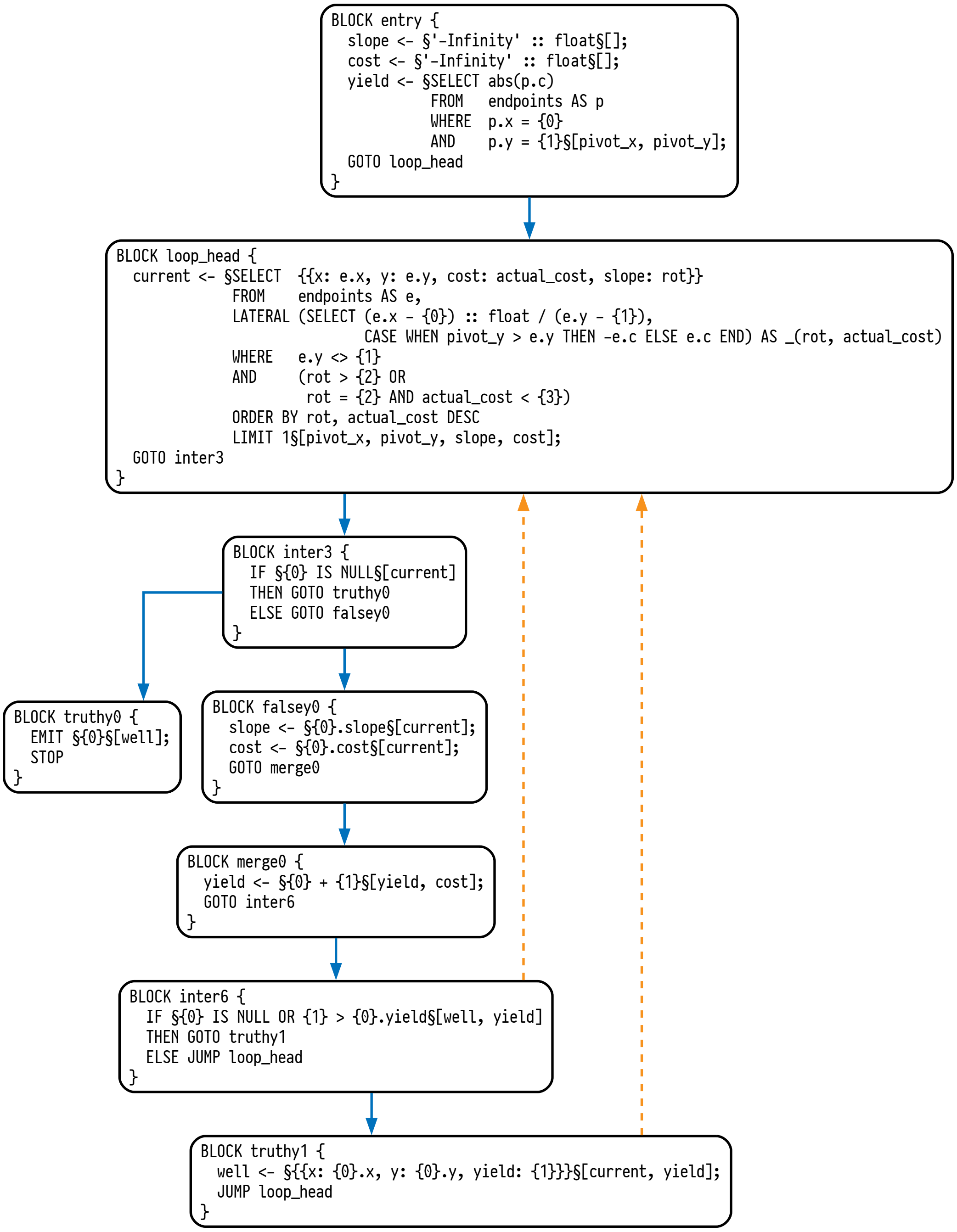
BLOCK entry {
slope <- §'-Infinity' :: float§[];
cost <- §'-Infinity' :: float§[];
yield <- §SELECT abs(p.c)
FROM endpoints AS p
WHERE p.x = {0}
AND p.y = {1}§[pivot_x, pivot_y];
GOTO loop_head
}
BLOCK loop_head {
current <- §SELECT {{x: e.x, y: e.y, cost: actual_cost, slope: rot}}
FROM endpoints AS e,
LATERAL (SELECT (e.x - {0}) :: float / (e.y - {1}),
CASE WHEN pivot_y > e.y THEN -e.c ELSE e.c END) AS _(rot, actual_cost)
WHERE e.y <> {1}
AND (rot > {2} OR
rot = {2} AND actual_cost < {3})
ORDER BY rot, actual_cost DESC
LIMIT 1§[pivot_x, pivot_y, slope, cost];
GOTO inter3
}
BLOCK inter3 {
IF §{0} IS NULL§[current]
THEN GOTO truthy0
ELSE GOTO falsey0
}
BLOCK truthy0 {
EMIT §{0}§[well];
STOP
}
BLOCK falsey0 {
slope <- §{0}.slope§[current];
cost <- §{0}.cost§[current];
GOTO merge0
}
BLOCK merge0 {
yield <- §{0} + {1}§[yield, cost];
GOTO inter6
}
BLOCK inter6 {
IF §{0} IS NULL OR {1} > {0}.yield§[well, yield]
THEN GOTO truthy1
ELSE JUMP loop_head
}
BLOCK truthy1 {
well <- §{{x: {0}.x, y: {0}.y, yield: {1}}}§[current, yield];
JUMP loop_head
}