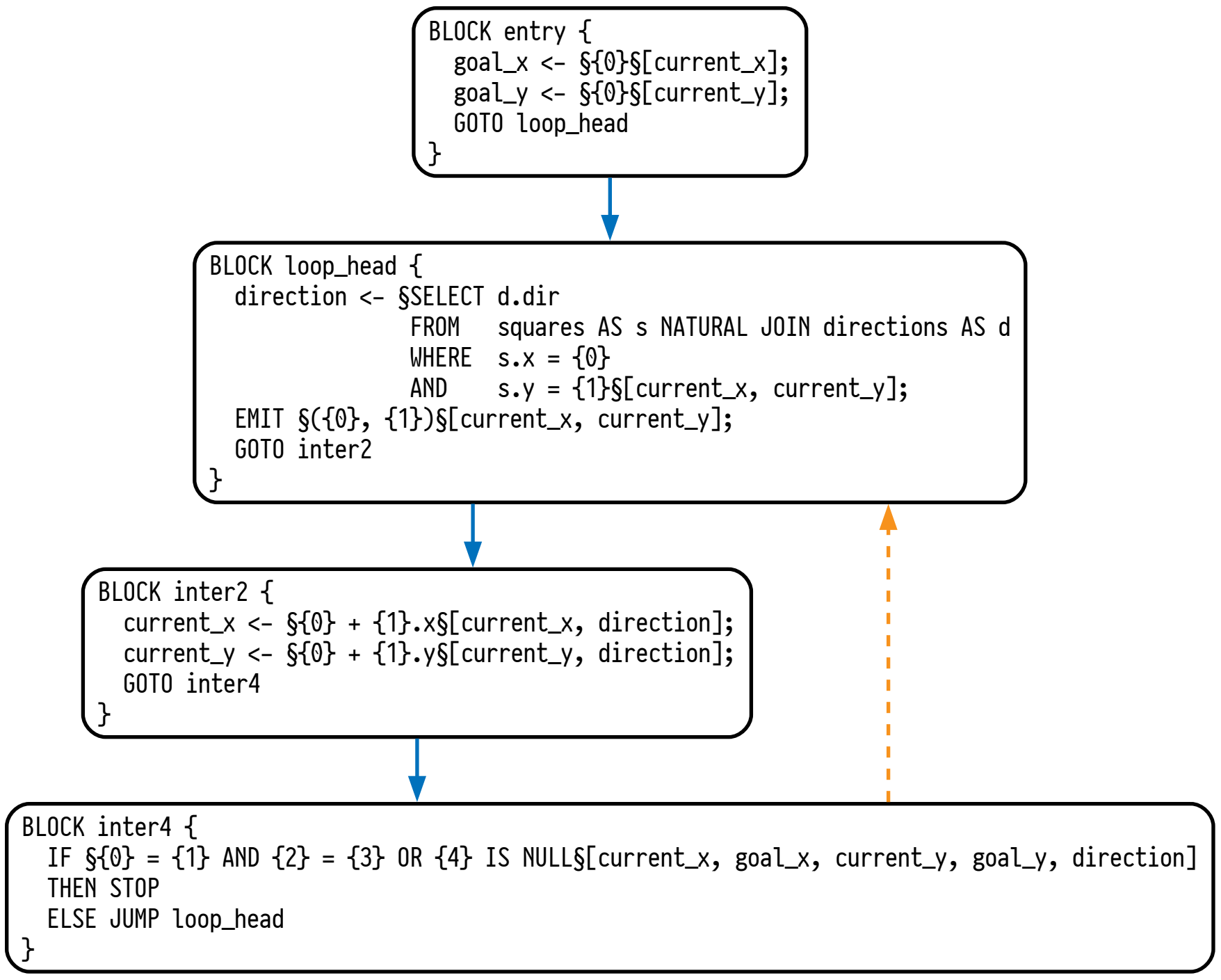


```
BLOCK entry {  
  goal_x <- ${0}${current_x};  
  goal_y <- ${0}${current_y};  
  GOTO loop_head  
}
```



```
BLOCK loop_head {  
  direction <- $SELECT d.dir  
    FROM   squares AS s NATURAL JOIN directions AS d  
    WHERE  s.x = {0}  
    AND    s.y = {1}${current_x, current_y};  
  EMIT ${0}, {1}${current_x, current_y};  
  GOTO inter2  
}
```

```
BLOCK inter2 {  
  current_x <- ${0} + {1}.x${current_x, direction};  
  current_y <- ${0} + {1}.y${current_y, direction};  
  GOTO inter4  
}
```

```
BLOCK inter4 {  
  IF ${0} = {1} AND {2} = {3} OR {4} IS NULL${current_x, goal_x, current_y, goal_y, direction}  
  THEN STOP  
  ELSE JUMP loop_head  
}
```