

```
BLOCK entry {  
  poh0 <- $SELECT p  
    FROM points AS p  
    WHERE p.cloud = {0}  
    ORDER BY p.x  
    LIMIT 1${cloud};  
  GOTO inter0  
}
```

```
BLOCK inter0 {  
  poh0_label <- ${0}.label${poh0};  
  poh_label <- ${0}.label${poh0};  
  poh_x <- ${0}.x${poh0};  
  poh_y <- ${0}.y${poh0};  
  GOTO loop_head  
}
```

```
BLOCK loop_head {  
  EMIT ${0}${poh_label};  
  poh <- $SELECT p1  
    FROM points AS p1  
    WHERE p1.cloud = {0}  
    AND p1.label <> {1}  
    AND NOT EXISTS (SELECT 1  
      FROM points AS p2  
      WHERE left_of(p2.x, p2.y, {2}, {3}, p1.x, p1.y)  
      AND p2.cloud = {0})${cloud, poh_label, poh_x, poh_y};  
  GOTO inter5  
}
```

```
BLOCK inter5 {  
  poh_label <- ${0}.label${poh};  
  poh_x <- ${0}.x${poh};  
  poh_y <- ${0}.y${poh};  
  GOTO inter9  
}
```

```
BLOCK inter9 {  
  IF ${0} = {1}${poh_label, poh0_label}  
  THEN STOP  
  ELSE JUMP loop_head  
}
```