

// RICERCA DEL PREDECESSORE

TREE predecessorNode(TREE t)

```
(1)   if t == nil then
      |   return t
      |
      if t.left ≠ nil then
      |   return max(t.left)
      |
(2)   else
      |   TREE p ← t.parent
      |
      |   while p ≠ nil and t == p.left do
      |   |   t ← p // padre
      |   |   p ← p.parent // nonno
      |
      return p
```

// RICERCA DEL SUCCESSORE

TREE successorNode(TREE t)

```
(3)   if t == nil then
      |   return t
      |
      if t.right ≠ nil then
      |   return min(t.right)
      |
(4)   else
      |   TREE p ← t.parent
      |
      |   while p ≠ nil and t == p.right do
      |   |   t ← p
      |   |   p ← p.parent
      |
      return p
```