

```
TRANSPLANT( $T, u, v$ )  
  if  $u.p == \text{NIL}$   
     $T.root = v$   
  elseif  $u == u.p.left$   
     $u.p.left = v$   
  else  $u.p.right = v$   
  if  $v \neq \text{NIL}$   
     $v.p = u.p$ 
```