

RB-DELETE(T, z)

$y = z$

$y\text{-original-color} = y.\text{color}$

if $z.\text{left} == T.\text{nil}$

$x = z.\text{right}$

RB-TRANSPLANT($T, z, z.\text{right}$)

elseif $z.\text{right} == T.\text{nil}$

$x = z.\text{left}$

RB-TRANSPLANT($T, z, z.\text{left}$)

else $y = \text{TREE-MINIMUM}(z.\text{right})$

$y\text{-original-color} = y.\text{color}$

$x = y.\text{right}$

if $y.p == z$

$x.p = y$

else **RB-TRANSPLANT**($T, y, y.\text{right}$)

$y.\text{right} = z.\text{right}$

$y.\text{right}.p = y$

RB-TRANSPLANT(T, z, y)

$y.\text{left} = z.\text{left}$

$y.\text{left}.p = y$

$y.\text{color} = z.\text{color}$

if $y\text{-original-color} == \text{BLACK}$

RB-DELETE-FIXUP(T, x)