Ejercicio 15

proc buscarPosicionUltimoMaximo (in s: $seq\langle\mathbb{Z}\rangle$, out r: $\mathbb{Z}$) {
Pre $\{|s| > 0\}$
Post $\{0 \leq r < |s| \wedge_L$
$((\forall j : \mathbb{Z})\ 0 \leq j < r \ \longrightarrow_L s[r] \geq s[j]) \wedge ((\forall j : \mathbb{Z})\ r \leq j < |s| \ \longrightarrow_L s[r] > s[j])\}$
}

Programas

Programa 1

```
i := 0;
r := 0;
while(i < s.size()) do
    if(s[i] >= s[r]) then
        r := i
    else
        skip
    endif;
    i := i + 1;
endwhile
```

Programa 2

```
i := s.size() - 1;
r := s.size() - 1;
while(i >= 0) do
    if(s[i] > s[r]) then
        r := i
    else
        skip
    endif;
    i := i - 1;
endwhile
```