```
 1: for i = 0 to n − 2 do
 2:     m ← i  ▷ index of the minimum value
 3:     for j = i + 1 to n − 1 do
 4:         if A[j] < A[m] then
 5:             m ← j
 6:         end if
 7:     end for
 8:     if m ≠ i then
 9:         swap A[i] and A[m]
10:     end if
11: end for
```