```
% Florian Lüthi, i10b

sortedInsert(↕list: ListPtr ↓n: ListNodePtr)
var
        rover: ListNodePtr
begin
        if list→.first = null then
                prepend(↕list ↓n)
        else
                rover := list→.first
                while rover != null and compare(↓rover→.data ↓n→.data) < 0 do
                        rover := rover→.next
                end
                if rover = null then
                        append(↕list ↓n)
                else
                        n→.next := rover
                        n→.previous := rover→.previous
                        rover→.previous→.next := n
                        rover→.previous := n
                end
        end
end
```