Exercise 2.17.

Define a procedure last-pair that returns the list that contains only the last element of a given (nonempty) list:

```
(last-pair (list 23 72 249 34)) (34)
```

Answer.

Before setting out to devise the procedure last-pair, we'd better clarify an subtle notion: a list that contains only the last element of a given list is different from the last element of a list. For example, it is the list (34) above rather than its element 34 that meets our need.

We can consider the procedure last-pair in a recursive way:

- If a list contains only one element, in other words, the cdr of the list is an empty list, then just return the list.
- Otherwise, return the last-pair of the cdr of the list.

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