**15.**

**a. Substitute all occurrences of an element from a list with another list.**

The first list: l1…ln

The element: e

The second list: L1…Lm

substitute(l1…ln, e, L1…Lm) =

* {}, if I = {}
* L1…Lm U substitute(l2…ln, e, L1…Lm), if l1 = e
* l1 U substitute(l2…ln, e, L1…Lm), otherwise

**b. Determine the element from the n-th position in a list**

The list: l1…ln

get\_last\_element(l1…ln) =

* 0, if l = {}
* l1, if n = 1
* get\_last\_element(l2…ln), otherwise