04.10.2022

Laboratory 1

6. a. Add an element at the end of a list.
b. Concatenate two lists.

a.

$$adauga\mathcal{E}(l_1 l_2 \dots l_n, e) = \begin{cases} [e], & \text{if } n = 0 \\ l_1 \, V \, adauga\mathcal{E}(l_2 \dots l_n, e), & \text{otherwise} \end{cases}$$

b.

$$concatR(l_1 l_2 \dots l_n, e_1 e_2 \dots e_m) = \begin{cases} l_1 \dots l_n, & \text{if } n = 0 \\ e_1 \dots e_m, & \text{if } m = 0 \\ l_1 \, V \, concatR(l_2 \dots l_n, e_1 \dots e_m), & \\ & \text{otherwise} \end{cases}$$