

Modele matematice – L2:

$e_lista(l_1 l_2 \dots l_n) = \{ \text{true, daca } l \text{ este lista vida}$

$e_lista(l_2 \dots l_n), \text{ daca } n \geq 1$

nil, altfel

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$\text{apartine}(\text{elem}, l_1 l_2 \dots l_n) = \{ \emptyset, \text{daca } l \text{ este vida}$

$\text{true, daca } \text{elem} = l_1$

$\text{apartine}(\text{elem}, l_1) \text{ sau } \text{apartine}(\text{elem}, l_2 \dots l_n), \text{ daca } l_1 \text{ este lista}$

$\text{apartine}(\text{elem}, l_2 \dots l_n), \text{ altfel}$

$\}$

$\text{cale}(\text{elem}, l_1 l_2 l_3) = \{ \emptyset, \text{daca } l \text{ este vida}$

$(\text{elem}), \text{daca } \text{elem} = l_1$

$l_1 \oplus \text{cale}(\text{elem}, l_2), \text{daca } \text{elem} \in l_2$

$l_1 \oplus \text{cale}(\text{elem}, l_3), \text{daca } \text{elem} \in l_3$

\emptyset, altfel

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