Zadanie 2

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Dziedziny syntaktyczne

$\mathbf{Num} \ni n ::= \ldots \mid -1 \mid 0 \mid 1 \mid \ldots$

$\mathbf{Var} \ni x ::= x \mid y \mid z \mid \ldots \mid \ldots$

$\mathbf{PVar} \ni p ::= p \mid q \mid \ldots \mid \ldots$

$\mathbf{Expr} \ni E ::= n \mid x \mid E_1 + E_2 \mid E_1 - E_2$

$\mathbf{Instr} \ni I ::= x := E \mid I_1; I_2 \mid \mathbf{skip} \mid \mathbf{if}\ E = 0\ \mathbf{then}\ I_1\ \mathbf{else}\ I_2 \mid \mathbf{begin}\ d\ I\ \mathbf{end} \mid$
$\qquad \mathbf{call}\ p(x) \mid \mathbf{export}\ p \mid \mathbf{exit}\ p$

$\mathbf{Decl} \ni d ::= \mathbf{var}\ x = E \mid \mathbf{proc}\ p(x)\ \mathbf{is}\ (I) \mid d_1; d_2$

Dziedziny semantyczne

$\mathbf{Int} = \ldots$

$\mathbf{Loc} = \ldots$

$\mathbf{Store} = \mathbf{Loc} \rightarrow \mathbf{Int} + \mathbf{Loc} + \mathbf{Proc}$

$\mathbf{VEnv} = \mathbf{Var} \rightarrow \mathbf{Loc}$

$\mathbf{PEnv} = \mathbf{PVar} \rightarrow \mathbf{Proc}$