

Theories Of Programming Languages

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1 Predicate Logic

1.1 Abstract Syntax

2 The Simple Imperative Language

2.1 Syntax

$\langle intexp \rangle ::= 0 \mid 1 \mid 2 \mid \dots$
| $\langle var \rangle \mid - \langle intexp \rangle \mid \langle intexp \rangle + \langle intexp \rangle \mid \langle intexp \rangle - \langle intexp \rangle$
| $\langle intexp \rangle \times \langle intexp \rangle \mid \langle intexp \rangle \div \langle intexp \rangle \mid \langle intexp \rangle \mathbf{rem} \langle intexp \rangle$