

Semantyka i weryfikacja - praca domowa nr 2
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1 Expressions

1.1 e

$$\llbracket e \rrbracket_{\varrho_V, \varrho_P, s} = q \in \mathbb{Q}$$

1.2 x

$$\llbracket x \rrbracket_{\varrho_V, s} = s(\varrho_V x)$$

1.3 $e + e$

$$\llbracket e_1 + e_2 \rrbracket_{\varrho_V, s} = \llbracket e_1 \rrbracket_{\varrho_V, s} + \llbracket e_2 \rrbracket_{\varrho_V, s}$$

1.4 $e * e, e - e$ - analogicznie

2 Bool Expressions

2.1 $true$

$$\llbracket true \rrbracket_{\varrho_V, s} = tt$$

2.2 $false$

$$\llbracket false \rrbracket_{\varrho_V, s} = ff$$

2.3 $e < e$

$$\llbracket e_1 < e_2 \rrbracket_{\varrho_V, s} = ifte(\llbracket e_1 \rrbracket_{\varrho_V, s} < \llbracket e_2 \rrbracket_{\varrho_V, s}, tt, ff)$$

2.4 $e = e, b \wedge b, \neg b$ - analogicznie

3 Declarations

3.1 $\text{var } x = e$

$$\llbracket var\ x = e \rrbracket_{\varrho_V, \varrho_P, s} =$$