

Figures 3 and 4: Typing Rules and Big step semantics for λ_{RS}

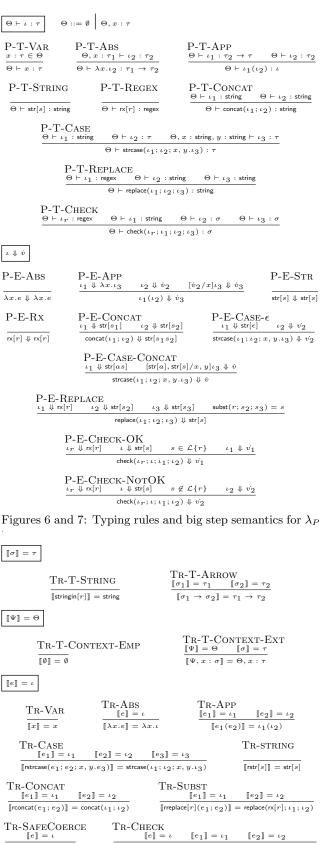


Figure 8: Translation from source terms (e) to target terms (ι) .

 $\overline{ [\![\mathsf{rcheck}[r](e; x.e_1; e_2)]\!] = \mathsf{check}(\mathsf{rx}[r]; \iota; (\lambda x.\iota_1)(\iota); \iota_2) }$

 $\overline{\llbracket \mathsf{rcoerce}[r'](e) \rrbracket = \iota}$