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2013-11-05

Note Title

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$!f : x \equiv \text{if } x = \langle y \rangle \text{ then } y \quad \Leftarrow$

else if $x = \langle x_1, x_2, \dots, x_n \rangle$, with $n > 1$
then $f : \langle x_1, !f : \langle x_2, \dots, x_n \rangle \rangle$

$\text{addrss} : \langle \langle 1\ 2\ 3 \rangle \langle 2\ 3\ 4 \rangle \langle 4\ 5\ 6 \rangle \rangle \equiv$

$\text{addr} : \langle \langle 1\ 2\ 3 \rangle, !\text{addr} : \langle \langle 2\ 3\ 4 \rangle \langle 4\ 5\ 6 \rangle \rangle \rangle \equiv$

$\equiv \text{addr} : \langle \langle 123 \rangle, \text{addr} : \langle \langle 234 \rangle, \langle 456 \rangle \rangle \rangle \equiv$

$\equiv \text{addr} : \langle \langle 123 \rangle, \text{addr} : \langle \langle 234 \rangle, \langle 456 \rangle \rangle \rangle \equiv$

$\equiv \text{addr} : \langle \langle 123 \rangle, \langle 6810 \rangle \rangle \equiv$

$\equiv \langle 71013 \rangle$

Type inference rule

$$\frac{f :: A \rightarrow B \quad e :: A}{fe :: B}$$

Program 7 (PR7):

exercises 1-6 ch. 4

3, 4, 7 from ch. 5 due 11-14