

EVal-atom-free^{11,40}

AtomFreeDecls(X)
 $\equiv_{\text{def}}$ $(\forall i, x:\text{Id}. \text{AtomFree}(\text{Type}; ((X.2.2.2.2.2).1)(i, x)))$
 $\quad \& (\forall i:\text{Id}, k:\text{Kind}. \text{AtomFree}(\text{Type}; ((X.2.2.2.2.2.2.2.2).1)(k, i)))$

clarification:

EVal-atom-free $\{i:l\}$
 (X)
 $\equiv_{\text{def}}$ $(\forall i:\text{Id}, x:\text{Id}. \text{atom-free}\{1:n\}(\text{Type}\{i\}; (((X.2.2.2.2.2).1)(i, x))))$
 $\quad \& (\forall i:\text{Id}, k:\text{Kind}. \text{atom-free}\{1:n\}(\text{Type}\{i\}; (((X.2.2.2.2.2.2.2.2).1)(k, i))))$