

EVal-atom-free^{0,22}

AtomFreeDecls(X)

$\equiv_{\text{def}} (\forall i, x:\text{Id}. \text{AtomFree}(\text{Type}; 1\text{of}(2\text{of}(2\text{of}(2\text{of}(2\text{of}(X)))))))(i, x))$
& $(\forall i:\text{Id}, k:\text{Knd}.$
 $\text{AtomFree}(\text{Type}; 1\text{of}(2\text{of}(2\text{of}(2\text{of}(2\text{of}(2\text{of}(2\text{of}(2\text{of}(X)))))))))(k, i))$

clarification:

EVal-atom-free $\{i:l\}$
(X)

$\equiv_{\text{def}} (\forall i:\text{Id}, x:\text{Id}. \text{AtomFree}(\text{Type}_i; 1\text{of}(2\text{of}(2\text{of}(2\text{of}(2\text{of}(X)))))))(i, x))$
& $(\forall i:\text{Id}, k:\text{Knd}.$
 $\text{AtomFree}(\text{Type}_i; 1\text{of}(2\text{of}(2\text{of}(2\text{of}(2\text{of}(2\text{of}(2\text{of}(2\text{of}(X)))))))))(k, i))$