

ma-feasible^{0,22}

Feasible(M)

$$\begin{aligned} \equiv_{\text{def}} & \forall x \in \text{dom}(1\text{of}(M)). T=1\text{of}(M)(x) \Rightarrow T \\ & \& \forall k \in \text{dom}(1\text{of}(2\text{of}(M))). T=1\text{of}(2\text{of}(M))(k) \Rightarrow \text{Dec}(T) \\ & \& \forall a \in \text{dom}(1\text{of}(2\text{of}(2\text{of}(2\text{of}(M))))). \\ & \quad p=1\text{of}(2\text{of}(2\text{of}(2\text{of}(M))))(a) \Rightarrow \\ & \quad \forall s:\text{State}(1\text{of}(M)). \text{Dec}(\exists v:1\text{of}(2\text{of}(M))(\text{locl}(a))?\text{Top}. p(s,v)) \\ & \& \forall x \in \text{dom}(1\text{of}(M)). T=1\text{of}(M)(x) \Rightarrow \text{AtomFree}(\text{Type};T) \\ & \& \forall k \in \text{dom}(1\text{of}(2\text{of}(M))). T=1\text{of}(2\text{of}(M))(k) \Rightarrow \text{AtomFree}(\text{Type};T) \\ & \& \text{ma-frame-compat}(M;M) \end{aligned}$$

clarification:

ma-feasible $\{i:l\}$
(M)

$$\begin{aligned} \equiv_{\text{def}} & \text{fpf-all}(\text{Id}; \text{IdDeq}; 1\text{of}(M); x,T.T) \\ & \& \text{fpf-all}(\text{Knd}; \text{KindDeq}; 1\text{of}(2\text{of}(M)); k,T.\text{Dec}(T)) \\ & \& \text{fpf-all}(\text{Id}; \\ & \quad \text{IdDeq}; \\ & \quad 1\text{of}(2\text{of}(2\text{of}(2\text{of}(M))))); \\ & \quad a,p.(\forall s:\text{State}(1\text{of}(M)). \\ & \quad \text{Dec}(\exists v:\text{fpf-cap}(1\text{of}(2\text{of}(M));\text{KindDeq};\text{locl}(a);\text{Top}). p(s,v)))) \\ & \& \text{fpf-all}(\text{Id}; \text{IdDeq}; 1\text{of}(M); x,T.\text{AtomFree}(\text{Type}_i;T)) \\ & \& \text{fpf-all}(\text{Knd}; \text{KindDeq}; 1\text{of}(2\text{of}(M)); k,T.\text{AtomFree}(\text{Type}_i;T)) \\ & \& \text{ma-frame-compat}(M;M) \end{aligned}$$