

**dsm**<sup>11,40</sup>

$$\begin{aligned} & \text{dsm}(es; ASM; I; O; R; V; H) \\ \equiv_{\text{def}} & \text{h-ordered}(es; e. \uparrow \text{isl}(I(e)); H) \\ & c \wedge ((\forall e: \{e: E \mid \uparrow \text{isl}(O(e))\} . (R(e) < e)) \\ & \quad \& (\forall e: \{e: E \mid \uparrow \text{isl}(O(e))\} . \text{outl}(O(e)) = ASM(\text{map}(\lambda e'. \text{outl}(I(e')); H(R(e))))) \end{aligned}$$

*clarification:*

$$\begin{aligned} & \text{dsm}(es; ASM; I; O; R; V; H) \\ \equiv_{\text{def}} & \text{h-ordered}(es; e. \uparrow \text{isl}(I(e)); H) \\ & c \wedge ((\forall e: \{e: \text{es-E}(es) \mid \uparrow \text{isl}(O(e))\} . \text{es-causl}(es; (R(e)); e)) \\ & \quad \& (\forall e: \{e: \text{es-E}(es) \mid \uparrow \text{isl}(O(e))\} . \\ & \quad \quad \text{outl}(O(e)) = ASM(\text{map}(\lambda e'. \text{outl}(I(e')); H(R(e))) \in V)) \end{aligned}$$