

h-order_transitivity^{11,40}

$\forall es:\mathbf{ES}, P:(\mathbf{E} \rightarrow \mathbb{P}), H:(\{e:\mathbf{E} \mid P(e)\} \rightarrow (\{e:\mathbf{E} \mid P(e)\} \text{ List})).$

$\text{h-ordered}(es;e.P(e);H) \Rightarrow (\forall a, b, c:\{e:\mathbf{E} \mid P(e)\} . (a \in H(b)) \Rightarrow (b \in H(c)) \Rightarrow (a \in H(c)))$