

## **lconnects**<sup>11,40</sup>

$$\begin{aligned} & \text{lconnects}(p;i;j) \\ \equiv_{\text{def}} & \text{lpath}(p) \\ & \quad \& ((\|p\| = 0) \Rightarrow (i = j)) \\ & \quad \& ((\neg(\|p\| = 0)) \Rightarrow (i = \text{source}(\text{hd}(p)) \ \& \ j = \text{destination}(\text{last}(p)))) \end{aligned}$$

*clarification:*

$$\begin{aligned} & \text{lconnects}(p;i;j) \\ \equiv_{\text{def}} & \text{lpath}(p) \\ & \quad \& ((\|p\| = 0 \in \mathbb{Z}) \Rightarrow (i = j \in \text{Id})) \\ & \quad \& ((\neg(\|p\| = 0 \in \mathbb{Z})) \Rightarrow (i = \text{source}(\text{hd}(p)) \in \text{Id} \ \& \ j = \text{destination}(\text{last}(p)) \in \text{Id})) \end{aligned}$$