$$
\begin{aligned}
((R_u, i) \in \text{IntMiss}(\mathbb{L})) \stackrel{\text{def}}{=} i \in \mathcal{I} \wedge \\
\exists d, s : \text{Map}(\mathcal{L}_x(F_u(i)), d, s) \wedge \\
\exists e, j, v : j \in \mathcal{I} \wedge (R_v, j) \lhd (R_u, i) \wedge \\
\text{Map}(\mathcal{L}_y(F_v(j)), e, s) \wedge \\
\neg(\exists k, w : k \in \mathcal{I} \wedge \\
(R_v, j) \lhd (R_w, k) \lhd (R_u, i) \wedge \\
\text{Map}(\mathcal{L}_z(F_w(k)), d, s)) \wedge d \neq e
\end{aligned} \tag{6}
$$