$$((R_u, i) \in \text{IntMiss}) \overset{\text{def}}{=} i \in \mathcal{I} \wedge$$

$$\exists d, s : \text{Map}(\mathcal{L}_x(F_u(i)), d, s) \wedge$$

$$\exists e_0, j_0, v_0 : (R_{v_0}, j_0) \lhd (R_u, i) \wedge$$

$$\text{Map}(\mathcal{L}_{y_0}(F_{v_0}(j_0)), e_0, s) \wedge$$

$$(\exists e_1, \ldots, e_{A-1} :$$

$$\bigwedge_{a=1}^{A-1} (\exists j_a, v_a : (R_{v_0}, j_0) \lhd (R_{v_a}, j_a) \lhd (R_u, i) \wedge$$

$$\text{Map}(\mathcal{L}_{y_a}(F_{v_a}(j_a)), e_a, s)) \wedge$$

$$d \neq e_0 \neq \cdots \neq e_{A-1}) \wedge$$

$$\neg(\exists k, w : (R_{v_0}, j_0) \lhd (R_w, k) \lhd (R_u, i) \wedge$$

$$\text{Map}(\mathcal{L}_z(F_w(k)), d, s)) \tag{9}$$