Rendering Logic

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Judgements:

$$G \times S \times L \to H \tag{1}$$

$$h_1 \geq h_2 \tag{2}$$

Rules:

$$\frac{isect(g,s) = h}{g \times s^k \to h^k} \tag{3}$$

$$\frac{miss(g,s)}{g \times s^k \to \bot^k} \tag{4}$$

$$\frac{\cdot}{\emptyset \times s^k \to \bot^k} \tag{5}$$

$$\frac{\cdot}{G \times \emptyset \to \emptyset} \tag{6}$$

$$\frac{G_1, G_2 \times s^k \to h_1^k \quad G_1, G_2 \times s^k \to h_2^k \quad h_1 \geq h_2}{G_1, G_2 \times s^k \to h_1^k} \tag{7}$$

$$\frac{G_1, G_2 \times s^k \to h_1^k \quad G_1, G_2 \times s^k \to h_2^k \quad h_2 \geq h_1}{G_1, G_2 \times s^k \to h_2^k} \tag{8}$$

$$\frac{G \times S_1 \to H_1 \quad G \times S_2 \to H_2}{G \times S_1, S_2 \to H_1, H_2} \tag{9}$$