

$$\vdash [X] = \frac{\text{length} : \text{seq } X \rightarrow \mathbb{N}}{\text{length}(\langle \rangle) = 0 \wedge (\forall x : X \bullet \forall s : \text{seq } X \bullet \text{length}(\langle x \rangle \cdot s) = 1 + \text{length}(s))}$$