

Test Pattern Matching

[*EntryPM*]

$$\frac{\text{filterSeq : seq } \text{EntryPM} \rightarrow \text{seq } \text{EntryPM}}{\begin{aligned} \text{filterSeq}(\langle \rangle) &= \langle \rangle \\ \forall x : \text{EntryPM} \bullet \forall s : \text{seq } \text{EntryPM} \bullet \text{filterSeq}(\langle x \rangle \cap s) &= \langle x \rangle \cap \text{filterSeq}(s) \end{aligned}}$$

This demonstrates pattern matching on sequences with base case ($\langle \rangle$) and recursive case ($\langle x \rangle \cap \{ \} s$).