

Test Pattern Matching

$[EntryPM]$

$$\left| \begin{array}{l} filterSeq : seq \ EntryPM \longrightarrow seq \ EntryPM \\ \hline filterSeq(\langle \rangle) = \langle \rangle \\ \forall x : EntryPM \bullet \forall s : seq \ EntryPM \bullet filterSeq(\langle x \rangle \frown s) = \langle x \rangle \frown filterSeq(s) \end{array} \right.$$

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