

Phase 17 : Proper Examples (lnot TEXT blocks)

Example : Semicolon bindings elem axdef

$$\frac{\text{dummy} : \mathbb{N}}{\text{dummy} = 0 \quad \forall x : \mathbb{N} \bullet \forall y : \mathbb{N} \bullet x + y > 0}$$

Example : Function on sequences

[*EntryFTP*]

$$\frac{\text{seqlen} : \text{seq } \text{EntryFTP} \rightarrow \mathbb{N}}{\text{seqlen}(\langle \rangle) = 0 \quad \forall x : \text{EntryFTP} \bullet \forall s : \text{seq } \text{EntryFTP} \bullet \text{seqlen}(\langle x \rangle \frown s) = 1 + \text{seqlen}(s)}$$

Example : Nested quantifier

[*PersonFTP*]

$$\frac{\text{constraint} : \mathbb{N}}{\text{constraint} = 1 \quad \forall p : \text{PersonFTP} \bullet \forall n : \mathbb{N} \bullet n > 0}$$