

## **concat\_map\_upto**<sup>11,40</sup>

$\forall T:\text{Type}, f:(\mathbb{N} \rightarrow (T \text{ List})), t, t':\mathbb{N}.$

$(t < t') \Rightarrow \text{concat}(\text{map}(f;\text{upto}(t))) @ (f(t)) \leq \text{concat}(\text{map}(f;\text{upto}(t')))$