

increasing_inj^{4,23}

$\forall k, m:\mathbb{N}, f:(\mathbb{N}_{<k} \rightarrow \mathbb{N}_{<m}). \text{increasing}(f;k) \Rightarrow \text{Inj}(\mathbb{N}_{<k}; \mathbb{N}_{<m}; f)$