

(1)	$\boxed{\text{var } x : \mathbb{N}}$	Introduction of x
(2)	$\boxed{x > 5}$	Assumption
(3)	$x > 1$	Arithmetic on (1) and (2)
(4)	$x > 5 \implies x > 1$	\implies -intro on (2) and (3)
(5)	$\forall x \in \mathbb{N} : x > 5 \implies x > 1$	\forall -intro on (1) and (4)

(1)	$\boxed{x : \alpha}$
(2)	$x : \alpha$
(3)	$\lambda x : \alpha. x : \alpha \rightarrow \alpha$