chain_config-induction[11,40]

$\forall P$:(chain_config()$\to \mathbb{P}$).
P(cchead())
$\Rightarrow P$(cctail())
$\Rightarrow (\forall id$:Id. P(ccpred(id)))
$\Rightarrow (\forall id$:Id, num:$\mathbb{N}$. P(ccsucc(id;num)))
$\Rightarrow \{\forall x$:chain_config(). $P(x)\}$