safety_and[4,23]

$\forall A$:Type, P, Q:((A List)$\rightarrow$Prop).
safety(A;x.$P(x)$) $\Rightarrow$ safety(A;x.$Q(x)$) $\Rightarrow$ safety(A;x.$P(x)$ & $Q(x)$)

http://www.nuprl.org/FDLcontent/p0_802137_/p106_57208_{safety_and}.html