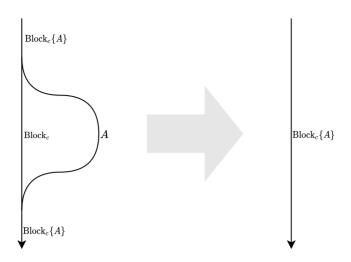
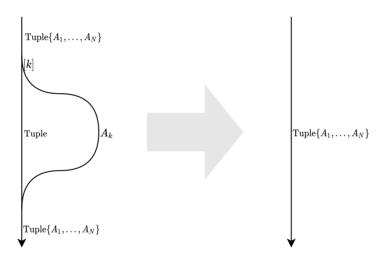
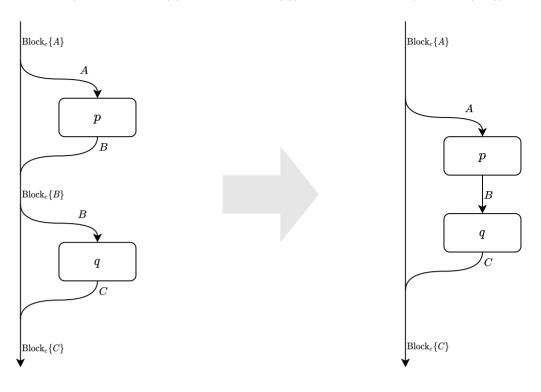
$with_elements(pass()) \Rightarrow pass()$



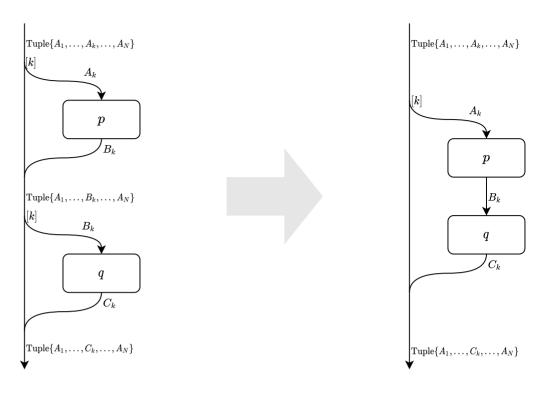
$\operatorname{with_column}(k,\operatorname{pass}())\Rightarrow\operatorname{pass}()$



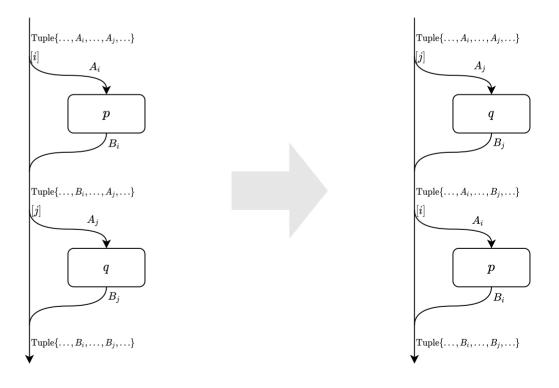
 $\texttt{chain_of}(\texttt{with_elements}(p), \texttt{with_elements}(q)) \Rightarrow \texttt{with_elements}(\texttt{chain_of}(p,q))$



 $\texttt{chain_of}(\texttt{with_column}(k,p), \texttt{with_column}(k,q)) \Rightarrow \texttt{with_column}(k,\texttt{chain_of}(p,q))$



 $\operatorname{chain_of}(\operatorname{with_column}(i,p),\operatorname{with_column}(j,q)) \Rightarrow \operatorname{chain_of}(\operatorname{with_column}(j,q),\operatorname{with_column}(i,p)) \qquad i \neq j$



 $\mathrm{chain_of}(p,\mathrm{filler}(x)) \Rightarrow \mathrm{filler}(x)$

