```
\mathcal{K}: \Gamma \Downarrow \neg lft(a) ::
                                                 K : \Gamma \Downarrow \neg rght(b) ::
                                                              \mathcal{K}:\Gamma\uparrow
                                                                                                                 \mathcal{K}:\Gamma\uparrow
                                                                                                                                                       \mathcal{K}: \Gamma \Downarrow \neg rght(a) ::
                                               \overline{\mathcal{K}:\Gamma \Uparrow \neg rght(b)::} \qquad \overline{\mathcal{K}:\Gamma \Uparrow \neg lft(a)::}
                                                                                                                                                                    \mathcal{K}:\Gamma \uparrow
                                               \mathcal{K}: \Gamma \Downarrow !^{r} \neg rght(b) :: \mathcal{K}: \Gamma \Downarrow !^{l} \neg lft(a) ::
                                                                                                                                                       \overline{\mathcal{K}:\Gamma \uparrow \neg rght(a)::}
                                                          \mathcal{K} : \Gamma \Downarrow !^l \neg lft(a) \otimes !^r \neg rght(b) ::
                                                                                                                                                     \overline{\mathcal{K}: \Gamma \Downarrow !^r \neg rght(a) ::}
                                                                                      \mathcal{K}:\Gamma \uparrow
K : \Gamma \Downarrow \neg lft(b) ::
                                                                                                                                                                    \mathcal{K}:\Gamma \uparrow
                                                                          K : \Gamma \uparrow ?^{l}lft(a) ::
                                                                                                                                                      \overline{\mathcal{K}:\Gamma \uparrow ?^r rght(a)::}
            \mathcal{K}:\Gamma \uparrow
\overline{\mathcal{K}:\Gamma \uparrow \neg lft(b)::}
                                                                           K : \Gamma \Downarrow ?^{l}lft(a) ::
                                                                                                                                                    \mathcal{K}: \Gamma \Downarrow !^l?^r rght(a) ::
\mathcal{K} : \Gamma \Downarrow !^l \neg lft(b) ::
                                                                                                    \mathcal{K}: \Gamma \Downarrow !^{l}?^{r}rght(a) \otimes ?^{l}lft(a) ::
           \mathcal{K}:\Gamma \uparrow
                                                                                                                                \mathcal{K}:\Gamma\uparrow
                                                                                                                 \overline{\mathcal{K}:\Gamma \uparrow ?^r rght(b)::}
K : \Gamma \uparrow ?^{l}lft(b) ::
K : \Gamma \Downarrow ?^{l}lft(b) ::
                                                                                                                \mathcal{K}:\Gamma\ {\Downarrow}!^{l}?^{r}rght(b)::
                                            \mathcal{K}: \Gamma \Downarrow !^l?^r rght(b) \otimes ?^l lft(b) ::
                                                                        \mathcal{K}:\Gamma \uparrow
                                        \mathcal{K}: \Gamma \uparrow ?^l!^l \neg lft(a) \otimes !^r \neg rght(b) ::
                             \mathcal{K}: \Gamma \uparrow !^l \neg lft(b) :::?^l !^l \neg lft(a) \otimes !^r \neg rght(b) ::
           \mathcal{K}:\Gamma \uparrow ?^{l}!^{r} \neg rght(a) ::: ^{l} \neg lft(b) ::: ?^{l}!^{l} \neg lft(a) \otimes !^{r} \neg rght(b) ::
          \overline{\mathcal{K}:\Gamma \Uparrow?^{l}!^{r}\neg rght(a)\otimes!^{l}\neg lft(b) ::?^{l}!^{l}\neg lft(a)\otimes!^{r}\neg rght(b) ::}
          \overline{\mathcal{K}:\Gamma \Uparrow?^{l}!^{r}\neg rght(a)\otimes!^{l}\neg lft(b)\otimes?^{l}!^{l}\neg lft(a)\otimes!^{r}\neg rght(b)::}
          \overline{\mathcal{K}:\Gamma \Uparrow^{?}!^{r}\neg rght(a)\otimes !^{l}\neg lft(b)\otimes ?^{l}!^{l}\neg lft(a)\otimes !^{r}\neg rght(b)::}
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