$$\dfrac{}{\vdash\ p^\perp\Downarrow[\cdot][\cdot]p;\cdot}\ \text{I} \qquad \dfrac{}{\vdash\ t^\perp\Downarrow[\cdot][\cdot]t;\cdot}\ \text{I}$$

$$\dfrac{}{\vdash\ p^\perp\otimes t^\perp\Downarrow[\cdot][\cdot]p,t;\cdot}\ \otimes$$

$$\dfrac{}{\vdash\ [\cdot][\cdot]p,p^\perp\otimes t^\perp;t}\ *$$

$$\dfrac{}{\vdash\ r\oplus t\Downarrow[\cdot][\cdot]p,p^\perp\otimes t^\perp;\cdot}\ \oplus$$

$$\dfrac{}{\vdash\ [\cdot][\cdot]p^\perp\otimes t^\perp,r\oplus t;p}\ *$$

$$\dfrac{}{\vdash\ p\oplus q\Downarrow[\cdot][\cdot]p^\perp\otimes t^\perp,r\oplus t;\cdot}\ \oplus$$

$$\dfrac{}{\vdash\ [\cdot][4:r\oplus t]\cdot;\cdot//^1\vdash\ [\cdot][\cdot]p^\perp\otimes t^\perp,p\oplus q;\cdot}\ \text{K}$$

$$\dfrac{}{\vdash\ [\cdot][5:p\oplus q,4:r\oplus t]\cdot;\cdot//^1\vdash\ [\cdot][\cdot]p^\perp\otimes t^\perp;\cdot}\ \text{K}$$

$$\dfrac{}{\vdash\ [\cdot][5:p\oplus q,4:r\oplus t]\cdot;\cdot//^1\vdash\ [\cdot][\cdot]\cdot;p^\perp\otimes t^\perp}\ *$$

$$\dfrac{}{\vdash\ !^1p^\perp\otimes t^\perp\Downarrow[\cdot][5:p\oplus q,4:r\oplus t]\cdot;\cdot}\ !$$

$$\dfrac{}{\vdash\ [\cdot][\cdot]\cdot;?^4r\oplus t,?^5p\oplus q,!^1p^\perp\otimes t^\perp}\ *$$