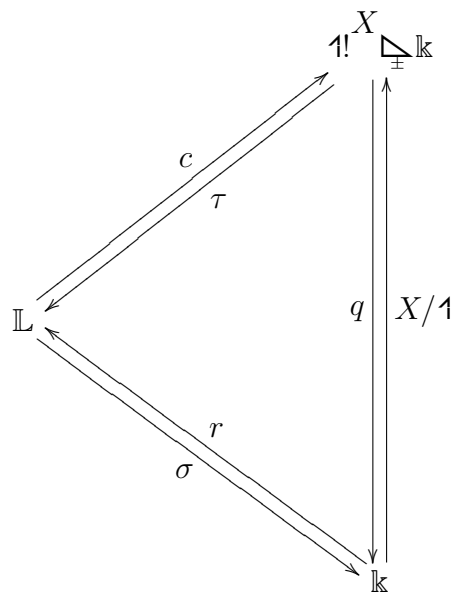
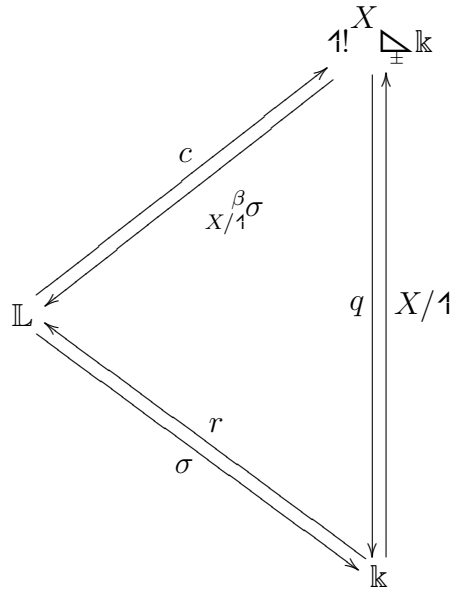


$$\begin{array}{ccc}
 \mathbb{L} \triangleleft X \triangleleft \mathbb{k} & & \\
 \uparrow \tau \circ \beta \sigma & & \uparrow \beta \sigma \\
 \mathbb{L} \supset \sigma^{-1}(0) & & 
 \end{array}$$



$$\beta \in \mathbb{L} \stackrel{\beta}{\sigma} 1 = 0 \Rightarrow \bigvee_{\text{eind}}$$



$$\underbrace{X/1 \stackrel{\beta}{\sigma} X + 1}_{X/1 \stackrel{\beta}{\sigma} X} = \beta$$

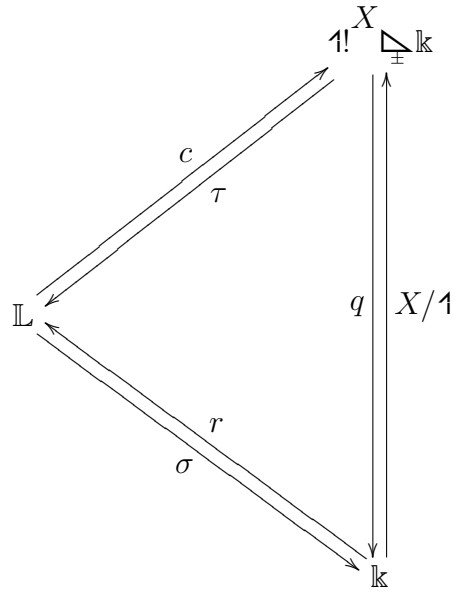
$$X/1 \stackrel{\beta}{\sigma} \underbrace{\gamma + 1}_{X/1 \stackrel{\beta}{\sigma} \gamma} = \beta \gamma \in \mathbb{L} \text{ well-def : } \gamma + 1 \stackrel{\beta}{\sigma} X = \acute{\gamma} + 1 \stackrel{\beta}{\sigma} X \Rightarrow \gamma - \acute{\gamma} \in 1 \stackrel{\beta}{\sigma} X$$

$$\Rightarrow \gamma - \acute{\gamma} = 1g \Rightarrow \sigma \gamma - \sigma \acute{\gamma} = \sigma(\gamma - \acute{\gamma}) = \sigma(1g) = \sigma 1 \sigma g \Rightarrow \beta \gamma - \beta \acute{\gamma} = \underbrace{\beta 1}_{=0} \beta g = 0 \Rightarrow \beta \gamma = \beta \acute{\gamma}$$

$$\underbrace{X/1 \stackrel{\beta}{\sigma} X + 1}_{X/1 \stackrel{\beta}{\sigma} X} = \beta X = \beta$$

$$\beta \neq \acute{\beta} \Rightarrow X/1 \stackrel{\beta}{\sigma} \neq X/1 \stackrel{\acute{\beta}}{\sigma}$$

$$X/1 \stackrel{\beta}{\sigma} \underbrace{X + 1}_{X/1 \stackrel{\beta}{\sigma} X} = \beta \neq \acute{\beta} = X/1 \stackrel{\acute{\beta}}{\sigma} \underbrace{X + 1}_{X/1 \stackrel{\acute{\beta}}{\sigma} X}$$



$$\Rightarrow \tau|_{X + 1_{\frac{X}{\pm}} \mathbb{k}} = 0, \tau = \tau|_{X + 1_{\frac{X}{\pm}} \mathbb{k}} \sigma$$

$$\tau|_{X + 1_{\frac{X}{\pm}} \mathbb{k}} = \tau|_{X + 1_{\frac{X}{\pm}} \mathbb{k}}|_{\tau|_{X/1}} = \tau|_{X + 1_{\frac{X}{\pm}} \mathbb{k}} = \tau|_{0 + 1_{\frac{X}{\pm}} \mathbb{k}} = 0$$

$$\tau|_{X + 1_{\frac{X}{\pm}} \mathbb{k}} \sigma|_{\tau|_{X/1}} = \tau|_{X + 1_{\frac{X}{\pm}} \mathbb{k}} \sigma = \tau|_{X + 1_{\frac{X}{\pm}} \mathbb{k}}|_{\tau|_{X/1}} \sigma$$

$$= \tau|_{X + 1_{\frac{X}{\pm}} \mathbb{k}} \sigma = \tau|_{X + 1_{\frac{X}{\pm}} \mathbb{k}} \Rightarrow \tau|_{X + 1_{\frac{X}{\pm}} \mathbb{k}} \sigma = \tau$$