

$${}_P\gamma \in \mathbb{Z} \cup \infty \xleftarrow{P\emptyset} K_f(x:y) \ni \gamma$$

$${}_P\underline{\gamma} = {}_P\gamma + {}_P\uparrow$$

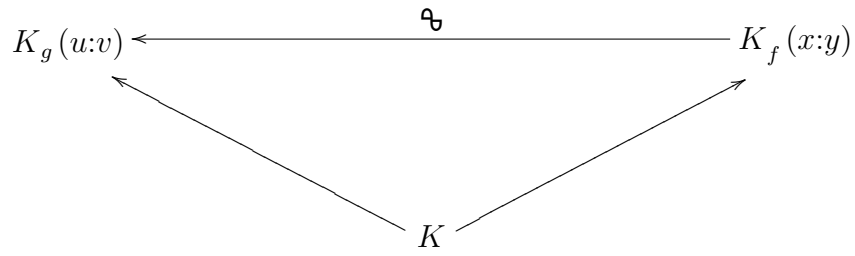
$${}_P\gamma \in K \cup \infty \xleftarrow{P\emptyset} K_f(x:y) \ni \gamma$$

$${}_P\underline{\gamma - {}_P\gamma} = {}_P\underline{\gamma - {}_P\gamma 1} = 1$$

$$K_g(u:v) \xleftarrow{\mathfrak{A}} K_f(x:y)$$

$$K_g^\wedge(u:v) \xrightarrow{\mathfrak{A}} K_f^\wedge(x:y)$$

$${}_{Q \times \mathfrak{A}}\gamma = \underbrace{\mathfrak{A} \times \gamma}_Q$$



$${}^Q \overline{\mathfrak{A} \times \gamma} = {}_{Q \times \mathfrak{A}}\gamma$$

$$\underbrace{\mathfrak{A} \times \gamma - {}_{Q \times \mathfrak{A}}\gamma}_Q = \underbrace{\mathfrak{A} \times \gamma - \overline{{}_{Q \times \mathfrak{A}}\gamma}}_Q = \underbrace{\gamma - {}_{Q \times \mathfrak{A}}\gamma}_{Q \times \mathfrak{A}} = 1$$