

# EFP $\lambda$ -calculus

$$\lambda f g x \dots \} \lambda f. \lambda g. \lambda x$$

$$\left( \lambda f g. \left( \lambda x. f (g x) \right) \right) F G$$



$$\left( \lambda x. F (G x) \right)$$

$\equiv$  Komposition von  $F$  &  $G$

$$\left( \dots \right) a \rightarrow F (G a)$$

$f + 0 = f + 0 = f + x$

wie eindeutig  
mod 2.

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$f + x$

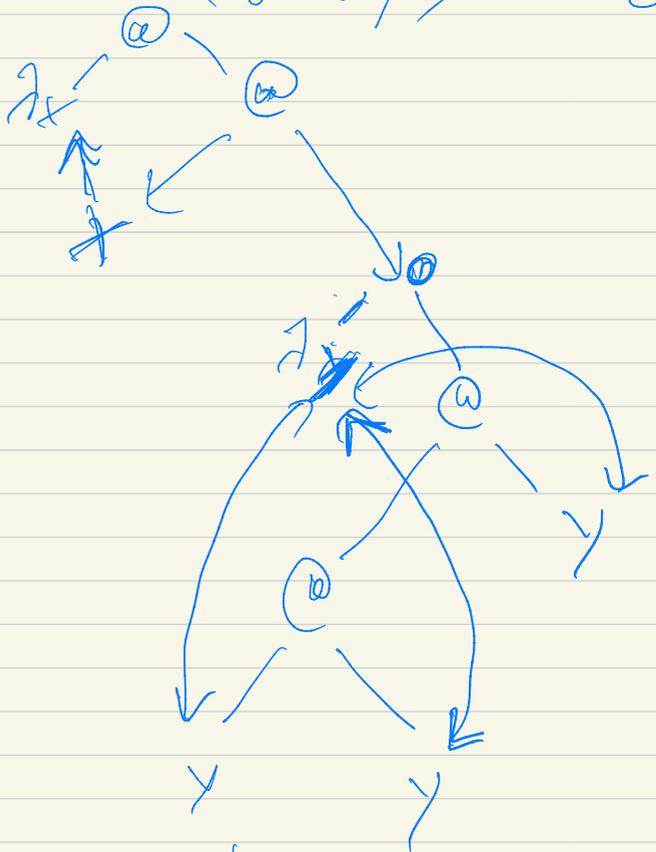
"egal"

$$\boxed{I_{tot}} \sim \boxed{I_{y,y}}$$

$$\boxed{I_{VV+a} \circ I_{VV+a}}$$

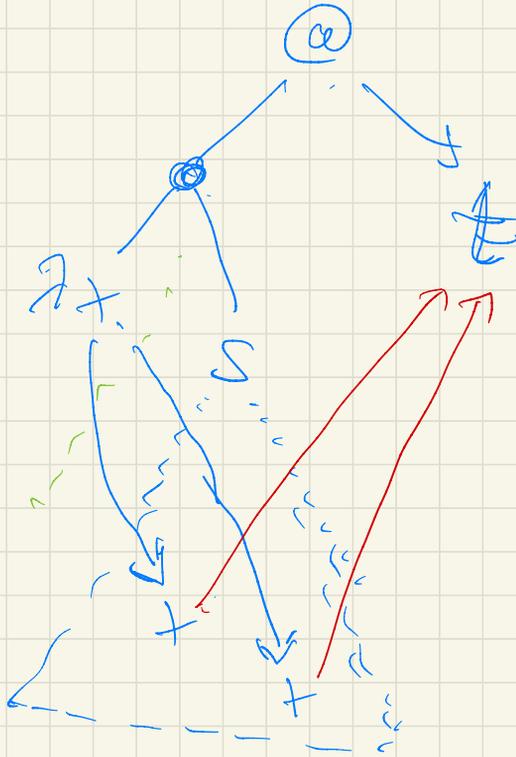
alle gleich

Hot  $\gamma$ . ( $\gamma$ ,  $\gamma$ ,  $\gamma$ )  $t$



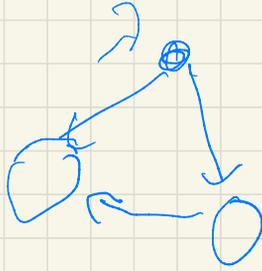
identity

$(\mathbb{Z} \cdot \mathbb{S}) \circledast \mathbb{Z}$

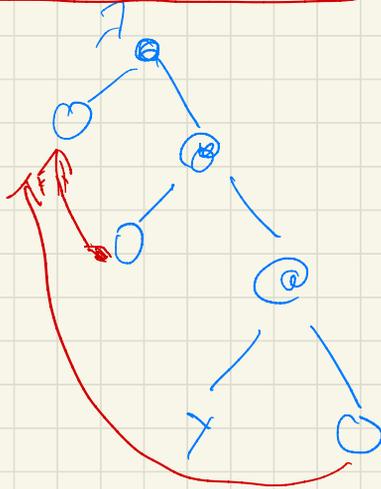


$$\lambda_{x..x} \sim \lambda_{x.y}$$

$$\sim \lambda_{z.z}$$



$$\lambda_{x.(x(x+x))}$$



$$\left( \begin{matrix} (x+x) \\ \dots \\ (x-x) \end{matrix} \right) (x-x) (x-x)$$

$$R = ?$$

