$$m \,/\, n = \lambda k \,.\, m \left(\lambda f \,.\, n \left(\lambda x \,.\, k \left(f\, x\right)\right)\right)$$

$$m \setminus n = \lambda k \,.\, m \left(\lambda x \,.\, n \left(\lambda f \,.\, k \left(f\, x\right)\right)\right)$$

thing

- note

$$m^{\downarrow} = m \left(\lambda x s \,.\, \{\langle x, s\rangle \mid x \neq \mathsf{F}\}\right)$$

$$\mathbf{M}_u^f = \lambda G \,.\, \left\{\left\langle \alpha, g\right\rangle \,\middle|\, \left\langle\langle \alpha, \cdot\rangle, g\right\rangle \in G,\ \ \mathsf{truthy}\,\alpha,\ \ \neg\exists\left\langle\left\langle \cdot, \beta\right\rangle, g'\right\rangle \in G \,.\, \bigvee\beta \wedge f\,(g\,u)\,(g'\,u)\right\}$$

This is some stuff

$$\mathbf{larger} = \lambda x y \,.\, \mathsf{size}\, x < \mathsf{size}\, y$$

$$\mathbf{est}_u = \lambda f \,.\, \mathbf{M}_u^f$$

$$\mathbf{largest}_u = \mathbf{est}_u\, \mathbf{larger} = \mathbf{M}_u^{\mathsf{sz}} = \lambda G \,.\, \left\{\left\langle \mathsf{T}, g\right\rangle \,\middle|\, \left\langle \mathsf{T}, g\right\rangle \in G \wedge \neg\exists\left\langle \mathsf{T}, g'\right\rangle \in G \,.\, \mathsf{size}\,(g\,u) < \mathsf{size}\,(g'\,u)\right\}$$

$$\mathbf{the}_u = \lambda \mathcal{M} c k g \colon |G'_u| = 1 \,.\, G',\ \text{where } G' = \mathcal{M} \bigcup \left\{k\, x\, g' \,\middle|\, x \in \mathcal{D}_e,\ \left\langle \mathsf{T}, g'\right\rangle \in c\, x\, g^{u \mapsto x}\right\}$$