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Problema 1

Reduccion- β para NOT

$$\begin{aligned} \text{not} &= \lambda b. (\lambda b. \lambda x. \lambda y. b \ x \ y) \ b \ (\lambda x. \lambda y. y) \ (\lambda x. \lambda y. x) \\ &= \lambda b. (\lambda b. \lambda x. \lambda y. b \ x \ y) \ b \ (\lambda x. \lambda y. y) \ (\lambda x. \lambda y. x) \\ &= \lambda b (\lambda b \lambda x. \lambda y. b \ x \ y) \ b (\lambda x. \lambda y. y) (\lambda x. \lambda y. x) \\ &= \lambda b (\lambda x. \lambda y. b \ x \ y) (\lambda x. \lambda y. y) (\lambda x. \lambda y. x) \\ &= \lambda b. (\lambda y. b (\lambda x. \lambda y. y) \ y) (\lambda x. \lambda y. x) \\ &= \lambda b. b (\lambda x. \lambda y. y) (\lambda x. \lambda y. x) \\ \text{not} &= \lambda b. b \ \text{False} \ \text{True} \end{aligned}$$

Link del repositorio: https://github.com/jruiz002/Lab_12_TC.git

Link de video: <https://youtu.be/UXI9FvFCMBM?si=2Y0jYkSI5MunnBeJ>