

Exercises

- (1) 1. Compute t° for the following combinators t .
 - (a) IIIIK
 - (b) KISS
 - (c) SS(SS)(SS)
- (2) 2. Prove the four statements in the proof sketch on [slide 20](#).
- (2) 3. For every $n \geq 0$ define a CL-term x_n such that $(Qx)^n (D\underline{0}y) \rightarrow^* D\underline{n}x_n$.
- (2) 4. Construct a combinator **add** such that $\mathbf{add} \underline{m} \underline{n} \rightarrow^* \underline{m+n}$ for all $m, n \geq 0$.