

S K K = I

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March 13, 2025

$$(\lambda x\ y\ z.x\ z\ (y\ z))\ (\lambda x\ y.x)\ (\lambda x\ y.x) \rightarrow_{\beta} \tag{1}$$

$$(\lambda y\ z.(\lambda x\ y'.x)\ z\ (y\ z))\ (\lambda x\ y.x) \rightarrow_{\beta} \tag{2}$$

$$(\lambda y\ z.(\lambda y'.z)\ (y\ z))\ (\lambda x\ y.x) \rightarrow_{\beta} \tag{3}$$

$$(\lambda y\ z.z)\ (\lambda x\ y.x) \rightarrow_{\beta} \tag{4}$$

$$(\lambda z.z) \tag{5}$$