

-NoValue-

int.1 The λ -definível Functions are Closed under Composition

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Lema int.1. *The λ -definível functions are closed under composition.*

Prova. Suppose f is defined by composition from $h, g_0, \dots, g_{k-1}$. Assuming $h, g_0, \dots, g_{k-1}$ are λ -definido by $H, G_0, \dots, G_{k-1}$, respectively, we need to find a term F that λ -definem f . But we can simply define F by

$$F(x_0, \dots, x_{l-1}) = H(G_0(x_0, \dots, x_{l-1}), \dots, G_{k-1}(x_0, \dots, x_{l-1})).$$

In other words, the language of the lambda calculus is well suited to represent composition. $\square$

Créditos das Imagens

Referências Bibliográficas