$$\begin{array}{lll}
f_{1}(x) &= \frac{1}{C(x)}(x + \frac{1}{2x})^{-1} exp(-xx-a) \int_{\{x>-\frac{1}{2x}\}} f(z) &= \int_{z=2}^{z=2} e^{z} \int_{z=2}^{z=2} e^{$$

$$T9) ES_{x}(L) = \sum_{\Gamma(\alpha, \frac{\lambda}{\alpha})} \sum_{\Gamma(\alpha)}^{\alpha} x^{\alpha-1} e^{\lambda x} dx$$

$$= \sum_{\Gamma(\alpha, \frac{\lambda}{\alpha})} \sum_{\Gamma(\alpha)}^{\alpha} x^{\alpha} e^{\lambda x} dx = \sum_{\lambda} \sum_{\Gamma(\alpha, \frac{\lambda}{\alpha})}^{\alpha} \sum_{\Gamma(\alpha, \frac{\lambda}{\alpha})} \sum_{\Gamma(\alpha, \frac{\lambda}{\alpha})}^{\alpha} \sum_{\Gamma(\alpha, \frac{\lambda}{\alpha})} \sum_{\Gamma(\alpha)}^{\alpha} x^{\alpha-1} e^{\lambda x} dx$$

$$= \sum_{\lambda} \sum_{\Gamma(\alpha, \frac{\lambda}{\alpha})} x^{\alpha} e^{\lambda x} dx = \sum_{\lambda} \sum_{\Gamma(\alpha, \frac{\lambda}{\alpha})} \sum_{\Gamma(\alpha)} x^{\alpha+1} e^{\lambda x} dx$$

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