

FORMULA 3.353.2

$$\int_0^{\infty} \frac{e^{-\mu x} dx}{(x+b)^n} = \frac{1}{(n-1)!} \sum_{k=1}^{n-1} (k-1)! (-\mu)^{n-k-1} b^{-k} - \frac{(-\mu)^{n-1}}{(n-1)!} e^{b\mu} \text{Ei}[-b\mu]$$