\[ f := (h) \rightarrow \frac{2.7^h - 1}{h}; \]

\[ h \rightarrow \frac{2.7^h - 1}{h} \]

\[ h \rightarrow 0.9932517730 \cdot 2.7^h - \frac{2.7^h - 1}{h^2} \]

\[ f(0.01) \]

\[ 0.9982009000 \]

\[ \text{limit} \left( \frac{2.7^h - 1}{h}, h = 0 \right) \]

\[ 0.993251774 \]

\[ \text{plot}(f, -2..2, -5..5); \]

\[ f(0.01) \]

\[ 0.9982009000 \]

\[ f(0.001) \]

\[ 0.9937450000 \]
\[ f(0.0001) \]
\[ f(0.00001) \]
\[ x^2 \exp(x) \]
\[ \rightarrow 2x e^x + x^2 e^x \]
\[ g := x \rightarrow x^2 \exp(x); \]
\[ g(1); \]
\[ g(3); \]
\[ \text{evalf}(g(3)); \]
\[ \text{plot}(g, -1..1, -2..2); \]

\[ x \rightarrow x^2 e^x \]

\[ e \]

\[ 9e^3 \]

\[ 180.7698323 \]