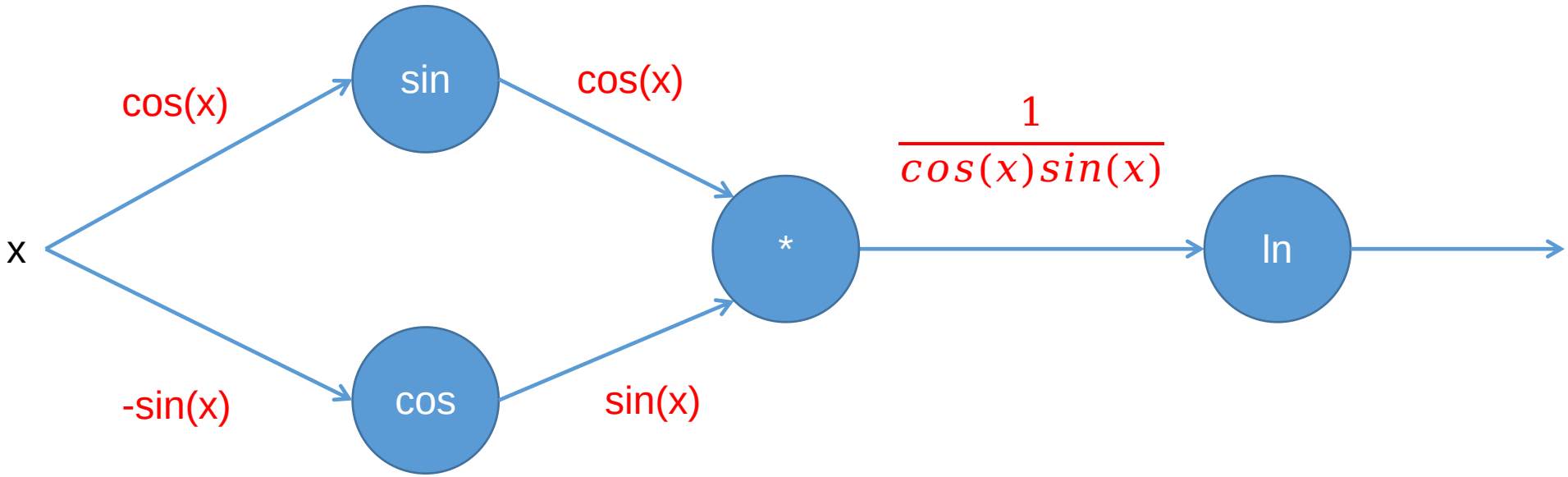
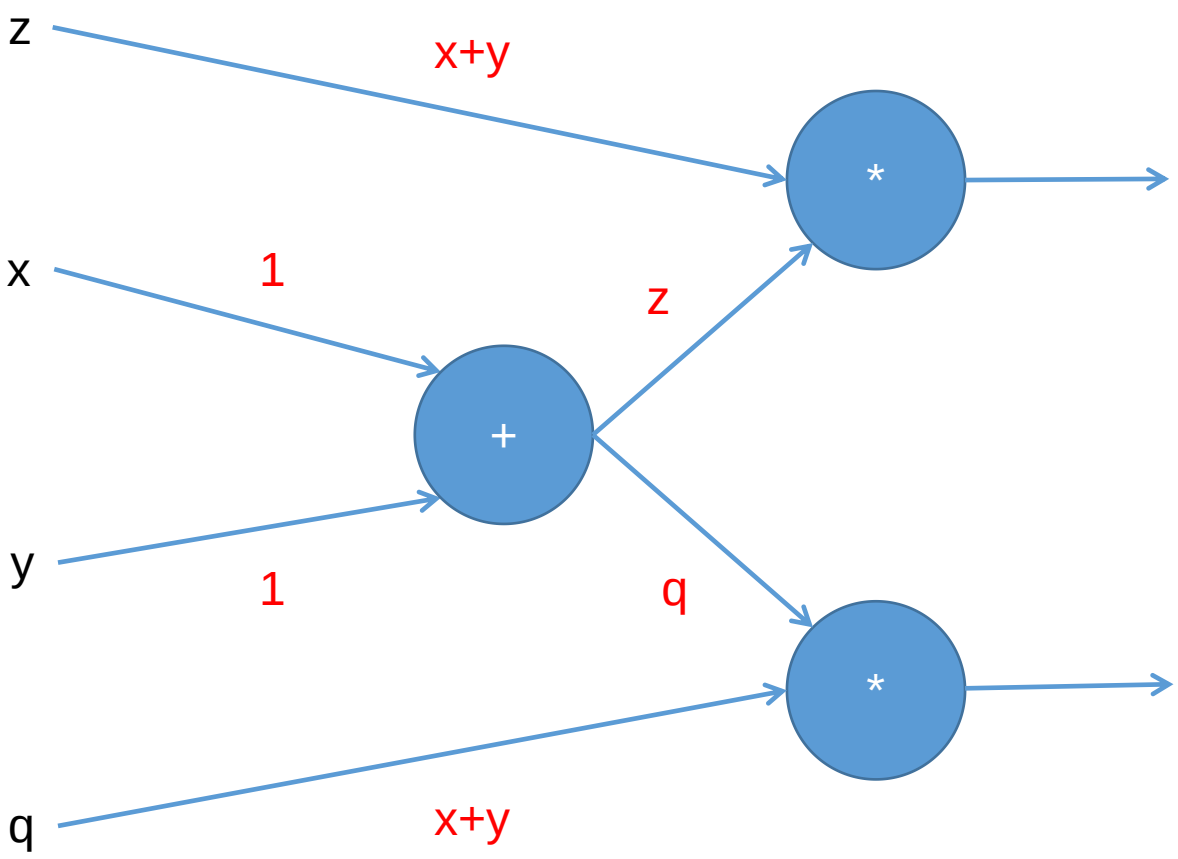
Exercises: $f(x)\ \mathbb{R} \to \mathbb{R} : ln(sin(x) \bullet cos(x))$



$$cos(x)cos(x) \bullet \frac{1}{cos(x)sin(x)} - sin(x)sin(x) \bullet \frac{1}{cos(x)sin(x)} = \frac{cos(x)}{sin(x)} - \frac{sin(x)}{cos(x)} = cotan(x) - tan(x)$$

Exercises: $f(x, y, z, q)\ \mathbb{R}^4 \rightarrow \mathbb{R}^2 : \begin{pmatrix} (x+y) \bullet z \\ (x+y) \bullet q \end{pmatrix}$



Exercises: $(x + y)sin(x)$ $where\ x = \pi\ and\ y = \pi$