

# Equations in L<sup>A</sup>T<sub>E</sub>X

## Equation 1

$$\begin{aligned}x &= \frac{-b \pm \sqrt{b^2 - 4ac}}{2a} \\&= \frac{-2 \pm \sqrt{2^2 - 4 * (1) * (-8)}}{2 * 1} \\&= \frac{-2 \pm \sqrt{4 + 32}}{2}\end{aligned}$$

## Equation 2

$$\begin{aligned}\varphi^\lambda_\sigma A_t &= \sum_{\pi \in C_t} sgn(\pi) \varphi^\lambda_\sigma \varphi^\lambda_\pi \\&= A_{\sigma t} \varphi^\lambda_\sigma\end{aligned}$$