$\mathcal{L}(\boldsymbol{ heta},\mathbf{x}) =$ 

 $\log \theta_{x_i}$ 

 $\sum \delta_w(x_i) \ \forall w \in \mathbf{x}$ 

 $\mathbf{P}^{\mathrm{MLE}} = \arg\max_{oldsymbol{ heta}} \mathcal{L}(oldsymbol{ heta}, \mathbf{x})$