

2025feb21

Friday, February 21, 2025 12:56

$$K_{q_i} = \begin{bmatrix} -\infty & -\infty & -\infty \\ 0 & -\infty & 0 \\ 0 & 0 & 0 \\ 0 & 0 & -\infty \\ -\infty & 0 & -\infty \\ 0 & 0 & -\infty \\ 0 & 0 & -\infty \end{bmatrix} \begin{bmatrix} 0 \\ 0 \\ 1 \end{bmatrix} =$$

$$K_{q_i} = \begin{bmatrix} -\infty \\ 0 \\ 0 \\ 0 \\ -\infty \\ -\infty \\ -\infty \\ -\infty \end{bmatrix}$$

$$\text{softmax}(K_{q_i}) = \frac{\exp(K_{q_i})}{\sum \exp(K_{q_i})}$$

$$= \frac{[0, 1, 1, 0, 0, 0, 0]^T}{2}$$

$$= [0, \frac{1}{2}, \frac{1}{2}, 0, 0, 0, 0]^T$$