$\ln\left(\frac{\exp\left(\frac{T}{w_{y_n}x}\right)}{\frac{K}{\sum\limits_{i=1}^{L}\exp\left(w_i^Tx\right)}}\right) = \ln\left(\exp\left(w_{y_n}^Tx\right)\right) - \ln\left(\sum\limits_{i=1}^{K}\exp\left(w_i^Tx\right)\right) = w_{y_n}^Tx - \ln\left(\sum\limits_{i=1}^{K}\exp\left(w_i^Tx\right)\right)$