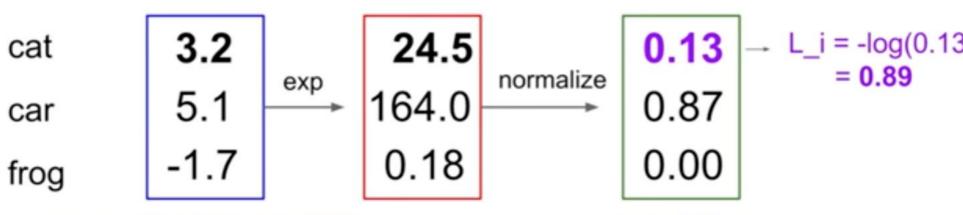
## Softmax Classifier (Multinomial Logistic Regression)



$$L_i = -\log(rac{e^{sy_i}}{\sum_j e^{s_j}})$$

unnormalized probabilities



unnormalized log probabilities

probabilities