



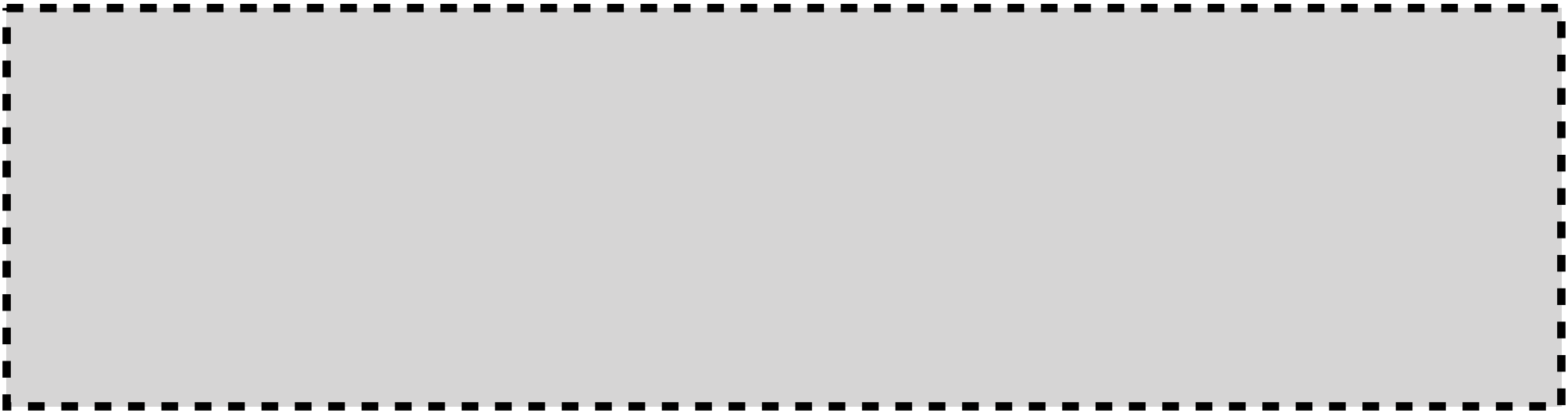
# Dual RNN LM





**Output Combination : Common softmax**



















**V**

**1**

**V2**

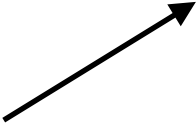
***VV1***

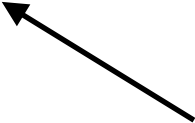
**+**

***VV2***









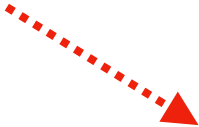
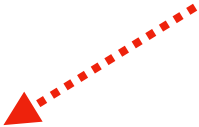


**I**

**O**

**S**

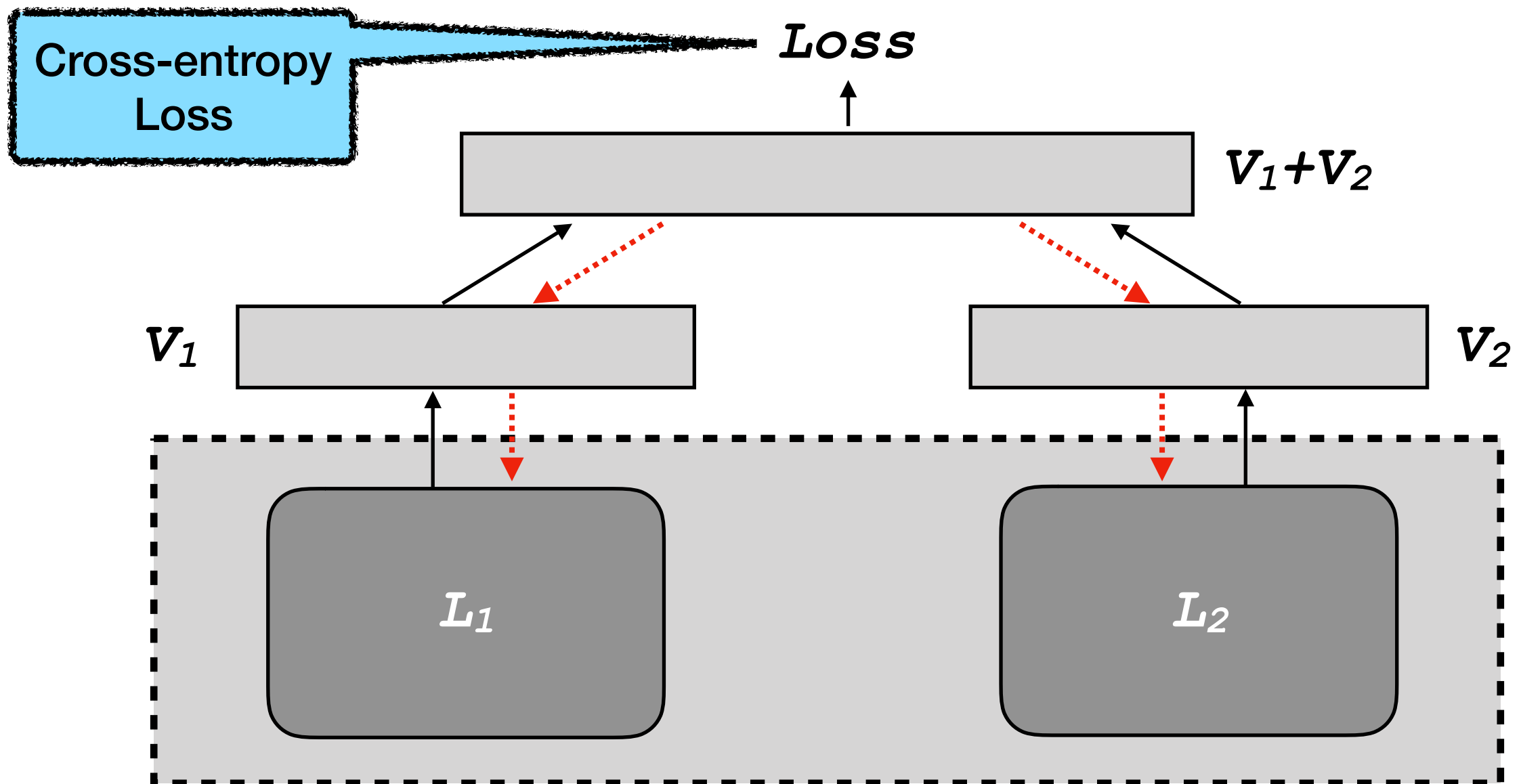
**S**



# Cross-entropy Loss

# Dual RNN LM

Output Combination : Common softmax



# Dual RNN LM

Output Combination : Trainable switch parameter

