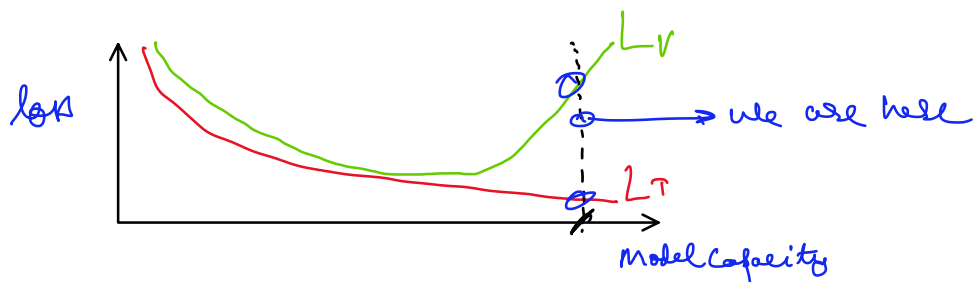# Question 3.1

Given: $L_V \gg L_T$

a) Capacity of Model:

In this case since $L_V \gg L_T$, we are over-fitting to the data. Therefore the <u>Model Capacity is high</u>

b) Amount of Training data:

In this case since $L_V \gg L_T$, our model is over-fitting to training data and performs poorly on unseen data. Therefore, it must have been trained with <u>small amount/less varying data.</u>