

# Let's check the model

*\_\_ dog \_\_*

*\_\_ dog cat tiger \_\_*

*\_\_ cat dog cat \_\_*

$$p(\text{cat dog cat}) = p(\text{cat} \mid \_) p(\text{dog} \mid \text{cat}) p(\text{cat} \mid \text{dog})$$

*dog*

*cat tiger*

*cat dog cat*

*cat dog\_*

*cat \_*