

# Let's check the model

\_\_ dog \_\_

\_\_ dog cat tiger \_\_

\_\_ cat dog cat \_\_

$$p(cat \ dog \ cat) = p(cat \mid \_) p(dog \mid cat) p(cat \mid dog) p(\_ \mid cat)$$

*dog*

*cat tiger*

*cat dog cat tiger*

*cat dog \_*

*cat dog cat dog*

*cat dog cat \_*

*cat \_*