## Let's check the model

```
_ dog _
  _ dog cat tiger
  _ cat dog cat _
     p(cat \ dog \ cat) = p(cat \ | \ \_) \ p(dog \ | \ cat) \ p(cat \ | \ dog) \ p(\ | \ cat)
dog
                                                 cat tiger
                                                 cat dog cat tiger | cat dog
                                                 cat dog cat dog
                                                 cat dog cat
                                                 cat
```