☰ **Item Navigation**

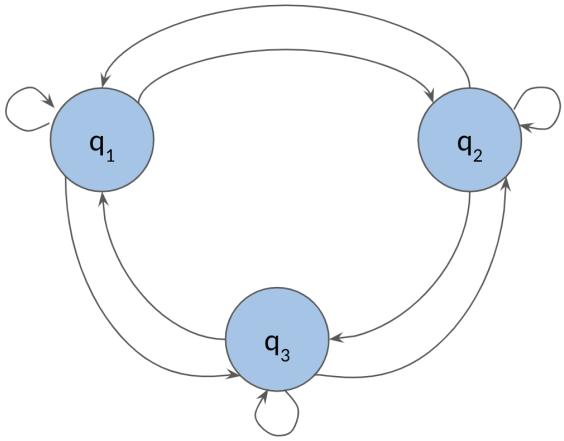
Markov Chains

You can use Markov chains to identify the probability of the next word. For example below, you can see that the most likely word after a verb is a noun.

Why not learn swimming?
verb **noun**

Why not learn swim?
verb **verb**

To properly model the probabilities we need to identify the probabilities of the POS tags and for the words.



$Q = \{q_1, q_2, q_3\}$

The circles of the graph represent the states of your model. A **state** refers to a certain condition of the present moment. You can think of these as the POS tags of the current word.

$Q = \{q_1, q_2, q_3\}$ is the set of all states in your model.

Mark as completed