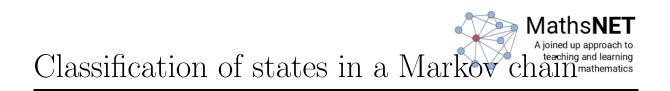


• Explain in your own words what we mean when we talk about the limiting behavior of a Markov chain.

• How is the return time to a state defined.

• What is the distinction between the transient and the recurrent states in a Markov chain.

• Draw an example of a Markov chain with one transient state and one recurrent state.



• Draw transition graphs for two Markov chains with one transient and two recurrent states that have different limiting behaviors

• Draw an example of a Markov chain with 3 recurrent states and 4 transient states.