Please put away all electronic devices. This sheet will be collected but not assessed. The professor will look at the second page but will ignore the first page.

**Reflect on your education** (totally made up by your professor). Think about courses you’ve taken in mathematics, statistics, computer science, and any related fields. Name one to three things you learned that felt worthwhile/valuable to you. What made them feel that way? The things you list could be specific topics/subject areas (“I found it rewarding to learn about networks because…”) or more general skills approaches (“I really like coding/writing proofs/etc. because…”).

Consider a Markov chain with transition matrix .

Draw and label a diagram representing this Markov chain. How many absorbing states are there?

It so happens that What can you say about the long-term behavior of the Markov chain?

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