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Artificial Intelligence

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Homework 8 – Part 2

1. By looking at the probabilities for the `samplemod2`, I noticed that the reason that the results were the way they were because the probability of staying in the same state is much more likely for `samplemod2`. That is why the output probability distribution didn't dictate the result. Even though the output probability for `a` is much likelier to be 0 and the output probability for `b` is much more likely to be 1, the transition probabilities were to switch value were too low to enable that switch. In contrast, for `samplemod1`, the probability of switching states or staying in the same state is equal, with probability of half.
2. You would change the probabilities to scew which results came about. Please see `samplemod3`. Thanks.