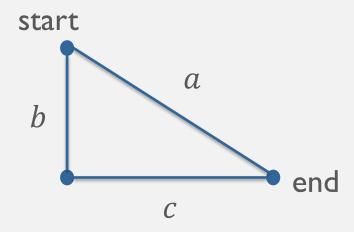
Quidditch Tournament – Best of 3 vs Skidmore

- Play up to 3 games. The first team to win twice wins the tournament.
- Midd has 1/2 probability of winning the first game.
- If Midd wins a game, the next game they will have probability 2/3 of winning.
- If Midd loses a game, the next game they will have probability 1/3 of winning.

What is probability Midd wins the tournament?

Percolation Question



- a, b are present with probability 1/2
- If b is present, then c is present with probability 3/4.
- If b is not present, then c is present with probability 1/2.

What is the sample space? (Use tree method)
What is the probability of there being percolation: a path from start to end?
(Use tree method.)