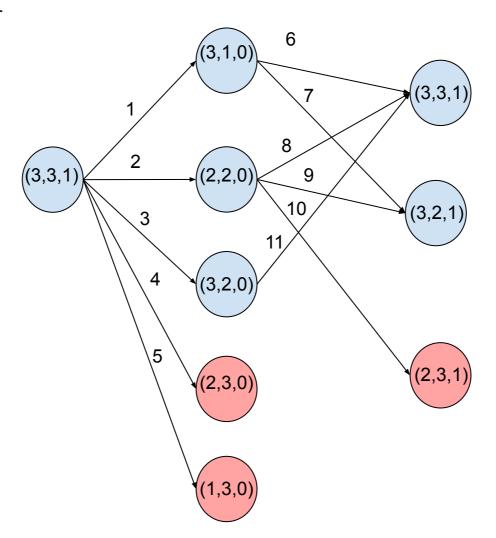
State is represented by the pair (x, y, z), where x = number of chickens on a side, y = number of foxes on a side, z is a number either 1 or 0 to indicate whether a boat is on the left hand side of the river

= a valid state from which possible actions can be taken

= an invalid state from which possible actions can't be taken



Actions (Represented by numbered arrows pointing to next states):

- Two foxes go to the other side
- 2. A fox and a chicken go to the other side
- 3. A single fox goes to the other side
- 4. A chicken goes to the other side
- 5. Two chickens go to the other side
- 6. Two of the foxes come back
- 7. A single fox comes back
- 8. Both a single chicken and a single fox come back
- A single chicken comes back
- 10. A single fox comes back
- 11. A single fox comes back