```
class State:
      self.parent = None
               and self.cannibals left >= 0 and self.cannibals right >= 0 \
  def __eq_ (self, other):
def successors(current state):
  children = []
```

```
children.append(new state)
new state.parent = current state
children.append(new state)
new state.parent = current state
children.append(new state)
new state.parent = current state
children.append(new_state)
new state.parent = current state
children.append(new_state)
```

```
new state.parent = current state
           children.append(new state)
          new state.parent = current state
          children.append(new state)
          new state.parent = current state
           children.append(new_state)
          new_state.parent = current state
          children.append(new state)
                         current state.missionaries right - 1,
          children.append(new state)
  return children
def breadth_first_search():
```

```
frontier = deque()
   frontier.append(initial_state)
      state = frontier.popleft()
               frontier.append(child)
def print_solution(solution):
      path.append(solution)
t.cannibals_right)
solution = breadth_first_search()
print_solution(solution)
```