

Graphic Display of the problem we're solving

CSC309

INITIAL STATE: (3,3,LEFT)

LEFT RIVER BANK
3 MISSIONARIES
3 CANNIBALS



RIGHT RIVER BANK
0 MISSIONARIES
0 CANNIBALS

INITIAL STATE: (3,3,LEFT)

LEFT RIVER BANK
3 MISSIONARIES
1 CANNIBALS

2 CANNIBALS CROSS



RIGHT RIVER BANK
0 MISSIONARIES
2 CANNIBALS

INITIAL STATE: (3,3,LEFT)

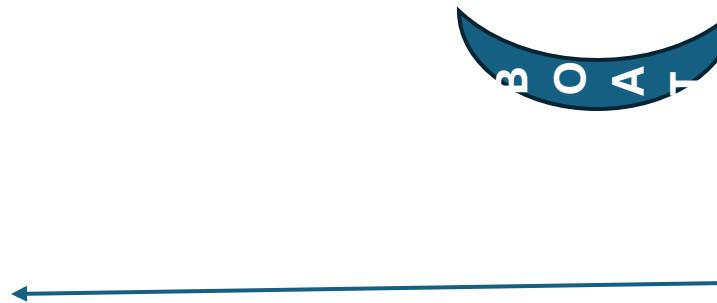
LEFT RIVER BANK
3 MISSIONARIES
2 CANNIBALS



RIGHT RIVER BANK
0 MISSIONARIES
1 CANNIBALS

GOAL STATE: (0,0 RIGHT)

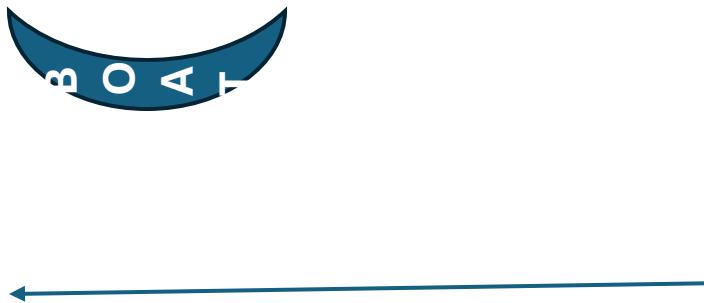
LEFT RIVER BANK
3 MISSIONARIES
3 CANNIBALS



RIGHT RIVER BANK
0 MISSIONARIES
0 CANNIBALS

GOAL STATE: (0,0 RIGHT)

LEFT RIVER BANK
3 MISSIONARIES
3 CANNIBALS



RIGHT RIVER BANK
0 MISSIONARIES
0 CANNIBALS

PROBLEM CONSTRAINTS

- Boat carries 1 or 2 people only
- Missionaries must never be outnumbered
- Invalid states are excluded from the graph