DELTA
Date / /
Pg No.

0 → Left  1 → Right

1. (3,3,0) → (3,1,1)

Moving 2 cannibals to the right

2. (3,1,1) → (3,2,0)

Moving 1 cannibal back to the left

3. (3,2,0) → (3,0,1)

Moving 2 cannibals to the right

4. (3,0,1) → (3,1,0)

Move 1 cannibals to the left

5. (3,1,0) → (1,1,1)

Move 2 missionaries to the right

6. (1,1,1) → (2,2,0)

Move 1 missionary and 1 cannibal back to the left

7. (2,2,0) → (0,2,1)

Move 2 missionaries to the right.

8. (0,2,[redacted]1) → (0,3,0)

Move 1 cannibal back to the left.

9. (0,3,0) → (0,1,1)

Move 2 cannibals to the right

10. (0,1,1) → ([redacted],[redacted],0)

missionary

Move 1 ~~cannibal~~ back to left

11. ([redacted],[redacted],0) → (0,0,1)

Move [redacted] 1 missionary and 1 cannibal to the right.

(0,0,1) is the required state.