3201R

01

3300L ←11→ 2211R ←10→ 3201L ←02→ 3003R ←01→ 3102L ←20→ 1122R

02

3102R

01 (3102R → 3201L)

11 (1122R → 2211L)

0231L

01   02

2211L ←20→ 0231R ←01→ 0330L ←02→ 0132R ←10→ 1122L ←11→ 0033R

01 (0132R ↔ 0231L)   02 (0231L ↔ 0033R)

01

0132L

Each state is represented by 5 characters ABCDEF where:

    A – number of missionaries at left bank

    B – number of cannibals at left bank

    C – number of missionaries at right bank

    D – number of cannibals at right bank

    E – boat bank: L = left, R = right

Each action is represented by 2 characters MC

    M – number of missionaries moved in the boat

    C – number of cannibals moved in the boat