
Modelling Challenge: Missionaries and Cannibals State Space Problem Solver

This is not a programming challenge. It is a modeling challenge! That said, it is intended to be more formal than informal.

Instructions

Working by analogy, close analogy, with the example presented in class for modeling the 3 Coins problem in state space terms, model the Missionaries and Cannibals problem in state space terms. That is, prepare a nice document in which you fill in the “blanks” in the template provided below. And then, of course, post your work in a timely fashion!

Template

State Space Problem Solving Model for the Missionaries and Cannibals Problem

1. PROBLEM STATEMENT

...

2. THE OBJECTS OF THE STATE SPACE WORLD

...

3. REPRESENTATION OF A STATE OF THE WORLD

...

4. THE STATE SPACE DESCRIPTION

...

5. STATE SPACE GRAPH (INCLUDING AT LEAST ONE SOLUTION)

...

6. STATE SPACE SOLUTION (AT LEAST ONE)

...

Due Date

Friday, September 30, 2022, **or soon after that.**