***Artificial intelligence project***

*Missionaries and cannibals*

*Task 3*

***Initial state:***

* *All missionaries and cannibals are* *On one side of the beach*

***Successor function:***

* *Move missionaries or cannibals on the*

*boat to the other beach*

***Goal test:***

* *Missionaries on a beach and cannibals on the other beach*

***Path cost:***

* *Minimum number of moves*