

Experiment No.: 5

3 Missionaries 3 Cannibals puzzle.

Output:

 SWI-Prolog (AMD64, Multi-threaded, version 9.2.6)

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```
?-  
% c:/Users/nayan/Documents/Btech/3-4 year/7 sem/AI/Lab/Practicals/practical-5/practical-5.pl compiled 0.00 sec, -2 clauses  
?-  
| find.  
  
[3,3,left,0,0] -> [1,3,right,2,0]  
[1,3,right,2,0] -> [2,3,left,1,0]  
[2,3,left,1,0] -> [0,3,right,3,0]  
[0,3,right,3,0] -> [1,3,left,2,0]  
[1,3,left,2,0] -> [1,1,right,2,2]  
[1,1,right,2,2] -> [2,2,left,1,1]  
[2,2,left,1,1] -> [2,0,right,1,3]  
[2,0,right,1,3] -> [3,0,left,0,3]  
[3,0,left,0,3] -> [1,0,right,2,3]  
[1,0,right,2,3] -> [1,1,left,2,2]  
[1,1,left,2,2] -> [0,0,right,3,3]  
true ■
```