miss-conn

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1 program no; -3

2 Description

Missionaries and Cannibals is a problem in which 3 missionaries and 3 cannibals want to cross from the left bank of a river to the right bank of the river. There is a boat on the left bank, but it only carries at most two people at a time (and can never cross with zero people).

3 solution

4 code

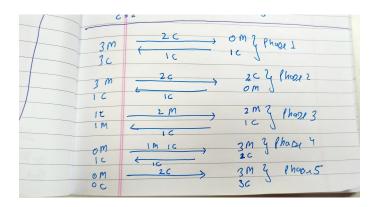


Figure 1: Caption

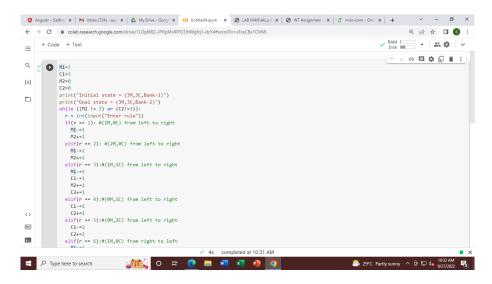


Figure 2: Caption

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Angular - Getting X | M Inbox (724) - 20g X | A My Drive - Goog X CO Untitled-Lipynb - X S LAB MANUAL pc X | WT Assignment X | 6 miss-conn - Onl X | + V = 0 X
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           + Code + Text

| Clif(r -- 5):#(0M,2C) from left to right
| Cl -- 2
| C2 -- 2
| clif(r -- 6):#(1M,0C) from right to left
| M1 -- 1
| M2 -- 1
| clif(r -- 7):#(2M,0C) from right to left
| M1 -- 2
| M2 -- 2
| clif(r -- 3):#(1M,1C) from right to left
| M1 -- 2
| M2 -- 2
| clif(r -- 3):#(1M,1C) from right to left
| M1 -- 1
| C1 -- 1
| M2 -- 1
| clif(r -- 9):#(0M,1C) from right to left
| C1 -- 1
| clif(r -- 10):#(0M,2C) from right to left
| C1 -- 2
| C2 -- 2
| print (M1, C1)
| print (M2, C2)
| if((M1) and M1CC1) or (M2:0 and M2:C2)):
| print("dead")
| break
| Initial state - (3M,3C,Bank-1)
                                                                                                                                                                                                             + Code + Text
  ≔
                                                                                                                                                                                                                 Q
 {x}
  <>
  ===
                     Initial state = (3M,3C,Bank-1)
Goal state = (3M,3C,Bank-2)
Enter rule1
  >_
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Figure 3: Caption