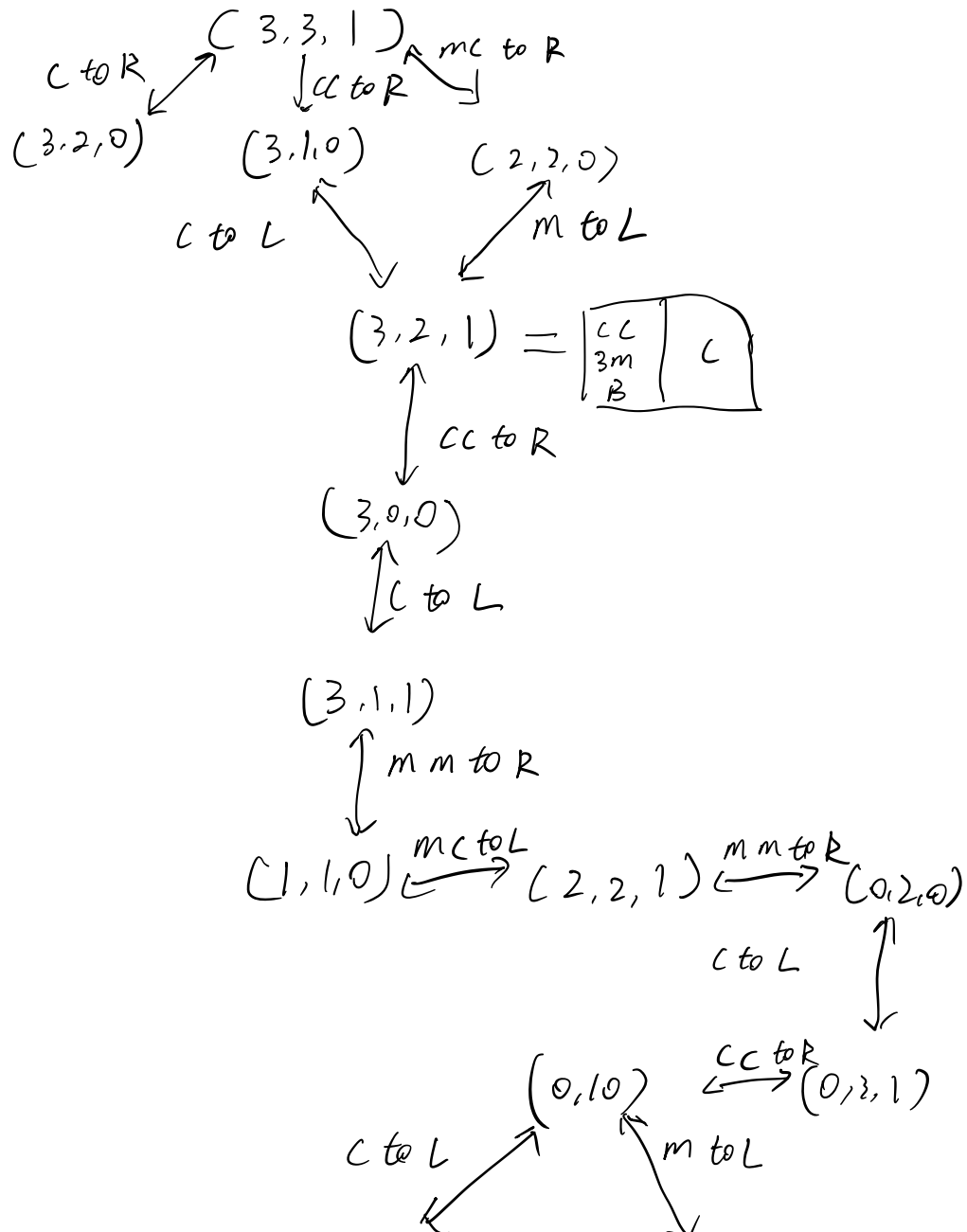
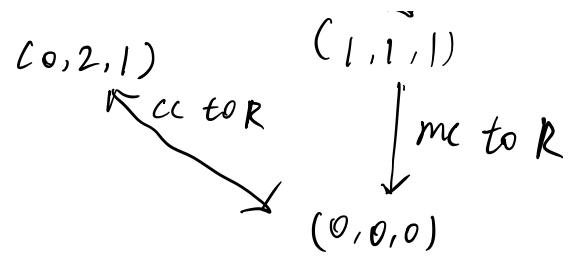


Diagram:  $m \rightarrow$  missionary,  $c \rightarrow$  cannibal,  $b \rightarrow$  boat

show the relation of missionary, cannibal and if the boat is at this side in terms of  
a 3-element tuple:  $(m, c, b)$  (left side)

So the initial state is  $(3, 3, 1)$  which means all six people is here  
and the boat is at the side





All people and boat are  
at the right side of river