Total: 3 missionaris , 3 carnibale ,# bout)
side) - State (# missionaries, # carnibals
on LEFT on LEFT

(# missionaries, # carnibals ,# bout on Right on Right

+ 0 = LEFF, +1 = Right - Action: Carry ( # missionaries, # cannibles) Legal move: # missionries > # Cannibles Carry (2, 0) carry (3,0) Larry (2,1) carry (3,1) carry (2,2) carry (3,2) carry (3,3) carry (1,1)

- Illegal move: < # cannibals # missionaries or # M = 0 2 # C = 0 \* carry (0,0) carry (1,2) Carry (1, 3) cerry (0, 1) corry (2, 3) Carry (0, 2) Larry (0, 3) Next state. new state ([(State Left), (State Right)], Action) Goal State: [(0,0,1),(3,3,L)]

