Homework Assignment 01

- Show how to solve the MCGW problem described below.

1) A man lives on the east side of a river. **He wishes to bring a cabbage, a goat, a nd a wolf to a village on the west side of the river to sell**. However, his boat is **only big enough to hold himself, and either the cabbage, goat, or wolf.** In addi tion, **the man cannot leave the goat alone with the cabbage** because the goat will eat the cabbage, and **he cannot leave the wolf alone with the goat** because the wolf will eat the goat.
2) Constraints:
   - ✓ Start state: (E, E, E, E) states that Man, Cabbage, Goat and Wolf remain in the east side of a river.
   - ✓ Goal state: (W, W, W, W) states that Man, Cabbage, Goat and Wolf are moved to the west side of a river.
3) What you are supposed to submit:
   1) Draw your algorithm in a flow chart using the flowchart symbols
   2) Show how to find sequences of feasible states to reach the goal state from st art state based on your algorithm

- Turn your Homework Assignment 01 in a doc file to the 과제생성/과제내용작성 on icampus
- Due: at 23:59 on18 Mar 2018