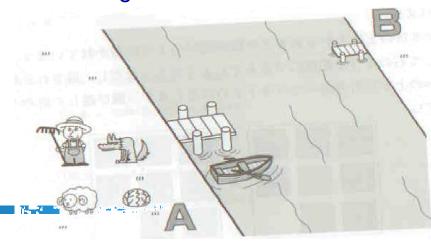
HW#2 due Nov 11th

- 1. Wolf, ram, and cabbage problem
 - ♣ Goal: move wolf, lamb and cabbage to B Restriction:
 - Boat can deliver only 1 object with a person
 - Lamb eats cabbage and wolf eats lamb if a person is not with them
 - ♣ To do:
 - Part I:
 - 1. Model this system in CCS
 - When all of wolf, lamb, and cabbage are delivered to B, the system should generate "finish" action and halt
 - 2. Show that there exists a solution to the problem using simulation feature of CWB-NC
 - 3. Show that there exists a solution using GCTL* model checking capability
 - 4. Show that there exists a solution using proper equivalence semantics
 - Part II: do the same task using NuSMV and Promela





- 2. Build revised mutual exclusion protocol (see NuSMV lecture slides ½) in Promela and verify the correctness of your Promela model
 - Hint. Spin provides a weak fairness option in Xspin GUI and command line argument

 Build ABP (see NuSMV lecture slides 2/2) in Promela and verify the correctness of your Promela model

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