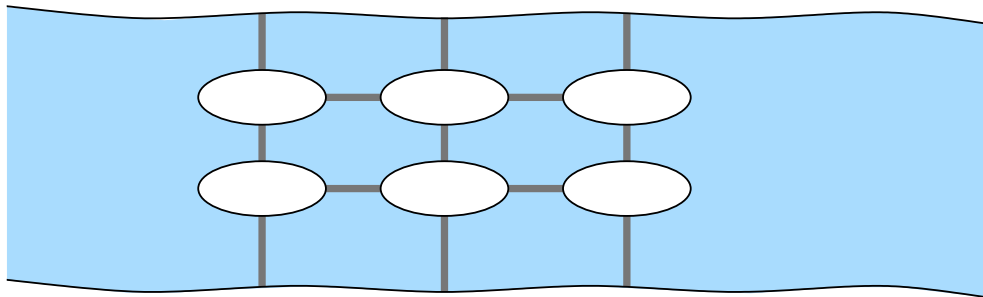


I U P U I
MATH CLUB TEASER #59

March 31, 2011
(due April 8, 2011)

The tempestuous Professor Zerep is trying to cross a river. There is a system of bridges as show in the picture, but a big storm struck last night, and it might have destroyed some of the bridges. In fact, each bridge independently has a 50/50 chance of being impassable.



Can you help the Professor figure out the chances of being able to reach the other side?

The IUPUI Math Club invites everybody to submit solutions to its weekly recreational mathematics problem. Interested individuals and teams of up to four participants can submit written solutions. At the end of the semester, prizes will be distributed among the IUPUI undergraduate teams that submit the most correct solutions. Solutions are due one week after each problem is posted, and should be faxed to (317) 274-3460, dropped off in person at LD 270, or sent by campus or U.S. mail to:

Math Club Teaser
Dept. of Mathematical Sciences
IUPUI, LD-270
402 N. Blackford Street
Indianapolis, IN 46202