CS 20/CSCI E-120
DISCRETE MATH FOR CS

or
All the Math You Should Know to do CS
that they Won’t Teach You in Math 1&21

NEW COURSE!
But Really This Course is About

- How to reason
- How to solve problems
- How to prove things
- How to think
Don’t take this course if:

- You were on the math team in high school
- You have taken or will take Math 23 or Math 25
- You recognize most of what is on the CS 20 placement test (see the course web site)
- You can’t handle a well-intentioned course that is having startup problems!
Do You Want to Switch?

http://www.grand-illusions.com/images/articles/articles/monty_hall/mainimage.jpg
Mr. Lawrence A. Denenberg
Harvard University Center for
Research in Computing Technology
Aiken Computation Laboratory, Room 102
Harvard University
Cambridge, MA  02138

Dear Larry:

In sending you my okay for the use of "The Monty Hall Paradox," I should like to ask you a question. You mention that in part (a), the player should switch doors even without additional compensation -- indeed the player should be willing to pay Monty up to $21,845 for the privilege of switching.

Now, I am not well versed in algorithms; but as I see it, it wouldn't make any difference after the player has selected Door A, and having been shown Door C -- why should he then attempt to switch to Door B? The major prize could only be in one of the three doors. He has made his selection of one of the doors.

He has been shown one of the doors that contains a "booby"; ergo, the major prize will be either in the one he selected (Door A) or the one that remains, Door B. Why would he be compelled to switch doors and even pay for the privilege? The chances of the major prize being behind Door A have not changed. He still has one of the two remaining doors. What makes Door B such an attraction? I would be pleased if you would write me, explaining this situation.

Best of luck with the book.

Sincerely,

[Signature]
Professor,

I've been interested in graph theory and its applications to social networks for a while now, so I did some research that has to do with linking people through articles they appear in from the Crimson. I thought people would find this interesting, so I've set up a preliminary site that allows people to find the connection (through people and articles) from any person to the most frequently mentioned person in the time frame I looked at.

This person is you.
Subject: Re: six degrees to harry lewis
Date: January 23, 2004
Can I see it before I say yes? It's all public information, but there is somehow a point at which aggregation of public information feels like an invasion of privacy.
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…

Sure, what the hell. Seems harmless.
New Classroom for Active Learning!