Friday, March 29, 2013

Assume that $n$ people have $n$ distinct pieces of information, one piece of info per person. Every time a person, say A, calls person B, it tells B all the info he knows, but not vis versa (B does not tell A anything). What is the minimum number of calls needed such that everyone knows everything.

Join the competition!
The Department of Applied Mathematics and IIT SIAM Student Chapter is organizing a weekly campus-wide math competition for undergraduate students.

- Every Friday 3pm, visit http://math.iit.edu/~weeklyproblem to view the problem of the week
- Submit the solution to weeklyproblem@math.iit.edu by Wednesday 5pm
- The author(s) of the first correct solution(s) will receive a monetary prize

For more details view the official web site http://math.iit.edu/~weeklyproblem.
Become a Math Club member and receive the problem by email.

Good Luck! Have fun and enjoy Mathematics!