

Encouraging words...

This is *your* Newsletter -- that means that its success will be dependent on the willingness of you the readers to share your discrete thoughts and classroom experiences. So while you are going about your way in discrete mathematics, keep the Newsletter in mind, and if you notice something that might be of interest, write a few paragraphs to submit to the Newsletter. You will be thanked profusely by the other readers of *IN DISCRETE MATHEMATICS... Using Discrete Mathematics in the Classroom*.

Subscriptions...

Please send us the name, address, phone number, and school of any teacher who should receive a copy of this Newsletter, and we will include him/her on our mailing list.

IN DISCRETE MATHEMATICS...

Using Discrete Mathematics in the Classroom

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RESOURCES ... COMAP is continuing to add to its Video Applications Library with the release of *Geometry: New Tools for New Technology*. This five-part video illustrates the geometry of the 20th century: motion-planning, error-correcting codes, Euler circuits, vertex coloring, and tomography. Additional videos include one showing the applications of calculus to medicine and engineering, with special emphasis given to modeling the AIDS epidemic, and another on historical applications of coding. These videos join the existing Video Applications Library which includes *Statistics: Decisions Through Data*, an introductory-level high school statistics course, and *Math TV* a light-hearted look at mathematics in the real world. For information call COMAP at 1-800-772-6627.

Credits...

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DIMACS is a national Science and Technology Center (STC) founded by the National Science Foundation (NSF); it was formed in 1989 as a consortium of four institutions-- Rutgers University, Princeton University, AT&T Bell Laboratories, and Bell Communications Research.

Solutions... (Continued from page 4)

1. The book must contain five 36 cent stamps and four 30 cent stamps.
2. There are ten 36 cent stamps and eight 30 cent stamps in the book.
3. Other designs are possible: five 36 cent stamps and fourteen 30 cent stamps; fifteen 36 cent stamps and two 30 cent stamps.
4. The design with ten 36 cent stamps is probably best as it allows for a more even balance between numbers of letters and cards. If mainly cards (or letters) are needed, the respective designs in 3 above are probably best.
5. One possible book has fifteen 40 cent and five 35 cent stamps. There are nine possible books containing from 11 to 19 ordinary stamps.