Proposed by Bernardo Ábrego and Silvia Fernández.   **February 7-14**

A restaurant offers five menus each priced a different whole amount of dollars between $10 and $19 inclusive. Last Friday there were 15 couples dining at the restaurant, one couple per table. If every person picked one of the five menus, show that there were at least two tables paying the same amount of money.

Deadline: February 14, 2005 before 9:00 PM.
Look for the "Problem of the Week" every Monday in the Daily Sundial (Daily Spotlight section) or in our web site **www.csun.edu/math/probweek**

Rules:

1. Open to all enrolled undergraduate and graduate CSUN students.
2. The first complete and correct solution will be awarded a diploma and the choice of the book "The Man Who Loved Only Numbers" (The story of Paul Erdős one of the most prolific mathematicians of all times), or a five dollar prize.
3. The winner solution and the names of the authors of all correct solutions will be published in our web site (**www.csun.edu/math/probweek**). All authors whose solutions are complete and correct will receive certificates.
4. All solutions must be typed and sent electronically. PDF, Latex, or Word files are preferred.
5. All steps of the solution must be clearly justified.
6. Email your solution with subject "Problem of the week" to

   Bernardo.Abrego@csun.edu

7. Late solutions will not be considered.
8. For any questions contact the organizers

   Bernardo.Abrego@csun.edu, Silvia.Fernandez@csun.edu