HOMEWORK #4: Prime Selection and UCP

This homework is due electronically by midnight on Tuesday, September 29, 1998.

1. Chapter 4, problem 15 (10 points)
2. Chapter 4, problem 19 (10 points)
3. Programming exercise 1 (80 points)
   Using your favorite programming language, extend your prime implicant generator to select an optimal set of prime implicants using the BCP algorithm. Again, this program should accept espresso style input files, and produce espresso style output files.
   To check your results, you can use the following espresso (espresso can be found in ~cmyers/bin) command:
   espresso -Dexact (filename)
   Put all your files in one directory, and please be sure to include a README file with your problems 15 and 19 and a description of how to compile and use your code. To turn in your directory, type the following commands in your working directory:
   tar cvf hw4.tar *
gzip hw4.tar
   uuencode hw4.tar.gz hw4.tar.gz | mail myers@ee.utah.edu
4. Extra credit
   Implement optimal prime implicant selection for multiple output functions.