

HOMEWORK #5: STGs, BCP, and Huffman Circuits

This homework is due by midnight on Thursday, February 26, 2009.
NO LATE HOMEWORK WILL BE ACCEPTED.

1. Read Chapter 5.
2. Complete Problem 4.11. Be sure to explain your answer.
3. Complete Problem 4.12. Be sure to explain your answer.
4. Complete Problem 5.1.
5. **Required for 6750 students and extra credit for 5750 students.**
Complete problem 5.2.

- Your code should read covering problems in the following format:

```
.rows 5
.cols 5
.names x1 x2 x3 x4 x5
1 1 - - -
1 0 0 1 -
- 1 1 - 1
- - - 0 1
- - 1 1 -
.e
```

- The output should be the list of variables that got assigned to one. For this example, that would be:

```
x1 x3
```

- You are free to use any programming language you like as long as you provide instructions on how to compile and run your code.
 - This problem should be turned in by email to: myers@vlsigroup.ece.utah.edu.
6. Complete Problem 5.4.
Note: you are welcome to use your BCP solver for this problem.
 7. Complete Problem 5.6.1.
Note: you are welcome to use your BCP solver for this problem.
 8. Select two papers from the references as potential project topics or select a general topic of interest and email your choices to me at: myers@vlsigroup.ece.utah.edu.