

Assignment #4

Due: Wednesday, November 9

Write out answers to each of these problems.

Problem 1—Decryption

Break the letter-substitution cipher in part (a) of the puzzle box on page 210. In case you want to write programs to break the code, you can cut and paste the following text from the copy of this handout on the web site:

```
LESTX KOLEY TQOJX ZEHYT QJQKL IQHST XAALY EXYSE SRYPH LJYPG
QYTXK QVLKK QHGLY TYTQQ EHRXV GXJBR SEHSE XXFPR BQKKE XJPQY
SHJPA SJQRS EHPTX KQGLY TEXYT LEOLE LYHXR LYHXG EXEXJ YXQSY
LYGSR STXAA LYTXK QSEHY TSYBQ SERDX BVXJY
```

You are welcome to decode the “Dancing Men” cipher as well, but it is not part of the assignment. It’s too easy to look up the answer in the Sherlock Holmes story.

Problem 2—Enigma decryption

Construct the menu for the alignment described in the puzzle box on page 223. The loops are immediately evident from the menu, so you don’t have to identify them.