MATH/CS 295: CRYPTOGRAPHY
HOMEWORK #4

Problem 1.D. Decrypt the message

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CLV SSH = LVIQE RDMVE PFZII EAVYS XFTHS FNMOB RRPDH VBSQH
```

with the following Enigma settings:

```
Walzenlage (Rotors): I V III
Ringstellung (Ring setting): 13 06 24
Steckerverbindungen (Plug connections): AU PB EF IQ RH ZL DT MS CG KN
```

[Hint: As usual, ignore the first five letters, the Buchstabenkenngruppe. The message is in German!]

Problem 1.E. Read Section 15.3 (pages 381–390) of *The Pleasures of Counting*

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http://www.cems.uvm.edu/~jvoight/295/koerner.pdf.
```

and the Introduction (pages 1–13) of *The Codebreakers* by Hinsley and Stripp

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http://www.cems.uvm.edu/~jvoight/295/hinsleystripp.pdf.
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How significant was the contribution of Ultra to the victory of the Allies in World War II? Take a clear stand on this question and write a short response paper (1–2 pages in length) of well-written argumentation.