

## CSE 599R, Cryptanalysis, Fall, 2008, Homework 1

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Due: October 6, 2008

1. Calculate freq distribution and index of coincidence of the following three mono-alphabetic substitutions and recover the plaintext. Aside from the word breaks, how do you know it is not a transposition?
  - a. UW ZTWITJDD N UVRTP ONEE OJNTRHI HJJPD UW OJ TJEJNDJP
  - b. ZWT EAUkj OUY JPHDNCJ FENSAYT O UOSAKOZANUOC ETVTETUGT FNAUZ
  - c. GF QFIDOAX GWU AUPULBU FD GWU GWOAV TLPP TULAOIN GRAI RCBOVU  
VFJI AFGLGU LIV POBGUI QLAUDRPPH
2. Trappe and Washington, Chapter 2: Problems 9, 12, 13, 19, 20.