University of Illinois at Urbana-Champaign Dept. of Electrical and Computer Engineering

ECE 220: Computer Systems & Programming

Review: Letter Frequency Decomposition

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Let's Decompose the Problem

The task:

- given an ASCII string (terminated by NUL)
- $^{\circ}$ count the occurrences of each letter (regardless of case), and
- the number of non-alphabetic characters.

The high-level approach:

initialize histogram to all 0s for each character in the string increment the appropriate histogram bin

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