## CS150 Assignment 7 Rubric

## Cryptography: Part A

Note: Below are four test cases to ensure that your mapping array is being constructed correctly. You are encouraged to construct additional test cases with key arrays of different sizes from 2-25 and with both repeated and distinct characters as illustrated in the cases below.

| $\begin{array}{\|l} \hline \text { Test 1: } \\ \text { \# of Keys: } 25 \\ \text { Keys: (25 A’s) } \end{array}$ |  |
| :---: | :---: |
| $\begin{aligned} & \hline \text { Test 2: } \\ & \text { \# of Keys: } 25 \\ & \text { Keys: (25 Z’s) } \end{aligned}$ |  |


| Test 3: <br> \# of Keys: 25 <br> Keys: A-Y in order |  |
| :---: | :---: |
| Test 4: <br> Number of keys: 25 Keys: Z-B in reverse order | C:IWINDOWS $\backslash$ system32 1 cmd .exe <br> $*$ $*$ $*$ <br> CRYPTOGRAPHY <br> Enter E) for encrypt, D) for decrypt, or Q) for quit: E Enter the number of mappings to use (2-25): 25 <br> Enter the 25 keys: ZYXWVUTSRQPONMLKJIHGFEDCB <br> ZABCDEFGHIJKLMNOPQRSTUVWXY YZABCDEFGHIJKLMNOPQRSTUVWX XYZABCDEFGHIJKLMNOPQRSTUVW WXYZABCDEFGHIJKLMNOPQRSTUV VWXYZABCDEFGHIJKLMNOPQRSTU UVWXYZABCDEFGHIJKLMNOPQRST TUVWXYZABCDEFGHIJKLMNOPQRS STUVWXYZABCDEFGHIJKLMNOPQR RSTUVWXYZABCDEFGHIJKLMNOPQ QRSTUVWXYZABCDEFGHIJKLMNOP PQRSTUVWXYZABCDEFGHIJKLMNO OPQRSTUVWXYZABCDEFGHIJKLMN NOPQRSTUVWXYZABCDEFGHIJKLM MNOPQRSTUVWXYZABCDEFGHIJKL LMNOPQRSTUVWXYZABCDEFGHIJK KLMNOPQRSTUVWXYZABCDEFGHIJ JKLMNOPQRSTUVWXYZABCDEFGHI IJKLMNOPQRSTUVWXYZABCDEFGH HIJKLMNOPQRSTUVWXYZABCDEFG GHIJKLMNOPQRSTUVWXYZABCDEF FGHIJKLMNOPQRSTUVWXYZABCDE EFGHIJKLMNOPQRSTUVWXYZABCD DEFGHIJKLMNOPQRSTUVWXYZABC CDEFGHIJKLMNOPQRSTUVWXYZAB BCDEFGHIJKLMNOPQRSTUVWXYZA <br> Press any key to continue . . . |

