

This is further documentation of my Windows executable program, ASCII Typewriter Keys Reciprocal Table Auto-Key Solver, which can be downloaded here:

<https://qb45.org/files.php?action=showfile&id=1931>

Though my program can be used with any pure text document - formatted or not - I have focused on standalone HTML documents because of its extreme formatting abilities.

The source code of an HTML document can be available for copying to the Windows clipboard for pasting into my program in one of two ways:

- (1) Open the HTML document the normal way using your browser, then view the source with the keys "ctrl U" - then select all "ctrl A" and copy "ctrl C"
- (2) Open the HTML by right-clicking the mouse and choose to "Open with Notepad" - then select all "ctrl A" and then copy "ctrl C"

The text file, 1E2D3D4E.txt, included in the zip file is an HTML that is encrypted four (4) times with different keys in the following way:

- (A) Encipher with 1 Then, Copy to the Clipboard - Restart the program- Paste back into the program - Go to (B)
- (B) Decipher with 2 Then, Copy to the Clipboard - Restart the program- Paste back into the program - Go to (C)
- (C) Decipher with 3 Then, Copy to the Clipboard - Restart the program- Paste back into the program - Go to (D)
- (D) Encipher with 4 Then, Copy to the Clipboard - Paste into Notepad and save as 1E2D3D4E.txt (A shorthand name for what I have done)

(Obviously, If I was sending this file to a receiver in secret, I would not have named the file this way. This encryption information would have been communicated in secret and the file would have had a file name that would not have revealed the method of encryption - such as Data.txt)

To decrypt back to the original HTML, do everything in REVERSE and BACKWARDS:

- (A) Decipher with 4 Then, Copy to the Clipboard - Restart the program- Paste back into the program - Go to (B)
- (B) Encipher with 3 Then, Copy to the Clipboard - Restart the program- Paste back into the program - Go to (C)
- (C) Encipher with 2 Then, Copy to the Clipboard - Restart the program- Paste back into the program - Go to (D)
- (D) Decipher with 1 Then, Copy to the Clipboard - Paste into Notepad and save as Anyname.html

Since the key could have been anyone of 95 characters (From CHR\$(32) through CHR\$(126) AND since at each of the four encryption steps I could have chosen to either Encipher or Decipher with different keys, then the number of possibilities are twice the encryption steps or $(95 \wedge 8) = 6,634,204,312,890,625$ possibilities. The more times a HTML file is encrypted, the greater the number of possibilities. For instance, if I had encrypted 6 times, with my choice to either Encipher or Decipher then the number of possibilities would have been $(95 \wedge 12) = 540,360,087,662,636,962,890,625$ possibilities!