Guys,

I found something that might help you to find the solution, please take a look at these statistics:

Prior to that, we all know that as our reference document says, there is a map between First character of each “THREE letters slices” in plain text with FIRST character of its Base64 equivalence,

The same thing with Second letter of each “THREE Letters Slices” in plain text which has a map function to the THIRD character in its Base64 equivalence

And at the end, the THIRD character in PLAIN text has a map to last location of its Base64 equivalence.

Now please consider table below: (TABLE OF FREQUENCY)

|  |  |  |  |
| --- | --- | --- | --- |
| All Alphabets in cipher | First Location in cipher | Third location in cipher | Last location in cipher |
| M: 197 **(important)** | Y:141 | V: 140 | l: 115 (lower el) |
| Q: 152 | U:128 | 2:79 | Q: 92 |
| U: 149 | I: 126 (capital i) | W:56 | e:65 |
| V: 144 | S: 107 | X:51 | F: 58 |
| Y:141 | /: 104 | L:51 | O: 57 (capital oh) |
| I: 132 (capital i) | Z:88 | Q:50 | z:47 |
| l:131 (lower el) | b:80 | F:47 | R:45 |
| S:129 | i: 36 | d:41 | x: 44 |
| /:110 | 5: 14 | T:38 | 6:43 |
| p: 108 | 2:13 | 0:37 (ZERO) | A:40 |
| F:105 |  | s: 37 | 8:37 |
| m:102 |  | r: 33 | P:34 |
| 2: 93 |  |  | D:30 |

\*\*\*\*As you mentioned, for example letter “Y” in our cipher just has appeared at the first location and not somewhere else, so its base64 equivalent, it always is at the first location and we can say definitely that it exist ONLY at the first location of “THREE Letters Slices” in plain text!!! What can it be?!

Consider lower “el”: most of the time at END!!!

Also for “V”, most of the time it has appeared at middle!!

\*\*\* now consider “M”: why we don’t have it too much in our table?(just 1 time!!! from 197 tiappeared at last location!!!!), where is the rest 198 times? it is at second location of each“4-Letters slices ” in our Cipher!!!