Ceaser Cipher - 1 (Encryption)

Plain text, p = Information System Security

Key, k = 2379(MY ID)

Cipher Text, c =?

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| P= | I | N | F | O | R | M | A | T | I | O | N |
|  | 9 | 14 | 6 | 15 | 18 | 13 | 1 | 20 | 9 | 15 | 14 |
| + | 2379 | 2379 | 2379 | 2379 | 2379 | 2379 | 2379 | 2379 | 2379 | 2379 | 2379 |
|  | 2388 | 2393 | 2385 | 2394 | 2397 | 2392 | 2380 | 2399 | 2388 | 2394 | 2393 |
| Mod | 22 | 1 | 19 | 2 | 5 | 0 | 14 | 7 | 22 | 2 | 1 |
| C= | V | A | S | B | E | Z | N | G | V | B | A |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| P= | S | Y | S | T | E | M | S | E |
|  | 19 | 25 | 19 | 20 | 5 | 13 | 19 | 5 |
| + | 2379 | 2379 | 2379 | 2379 | 2379 | 2379 | 2379 | 2379 |
|  | 2398 | 2404 | 2398 | 2399 | 2384 | 2392 | 2398 | 2384 |
| Mod | 6 | 12 | 6 | 7 | 18 | 0 | 6 | 18 |
| C= | F | L | F | G | R | Z | F | R |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| P= | C | U | R | I | T | Y |
|  | 3 | 21 | 18 | 9 | 20 | 25 |
| + | 2379 | 2379 | 2379 | 2379 | 2379 | 2379 |
|  | 2382 | 2400 | 2397 | 2388 | 2399 | 2404 |
| Mod | 16 | 8 | 5 | 22 | 7 | 12 |
| C= | P | H | E | V | G | L |

Encrypt: "Information System Security" = “VASBEZNGVBA FLF GRZ FRPHEVGL”

Ceaser Cipher - 1 (Decrypt)

Text = VASBEZNGVBA FLFGRZ FRPHEVGL

Key, k = 2379(MY ID)

Plain Text, P =?

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Text = | V | A | S | B | E | Z | N | G | V | B | A |
|  | 22 | 1 | 19 | 2 | 5 | 0 | 14 | 7 | 22 | 2 | 1 |
| - | 2379 | 2379 | 2379 | 2379 | 2379 | 2379 | 2379 | 2379 | 2379 | 2379 | 2379 |
|  | -2357 | -2378 | -2360 | -2377 | -2374 | -2379 | -2365 | -2372 | -2357 | -2377 | -2378 |
| Mod | 9 | 14 | 6 | 15 | 18 | 13 | 1 | 20 | 9 | 15 | 14 |
| P= | I | N | F | O | R | M | A | T | I | O | N |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Text= | F | L | F | G | R | Z | F | R |
|  | 6 | 12 | 6 | 7 | 18 | 0 | 6 | 18 |
| - | 2379 | 2379 | 2379 | 2379 | 2379 | 2379 | 2379 | 2379 |
|  | -2373 | -2367 | -2373 | -2372 | -2361 | -2379 | -2373 | -2361 |
| Mod | 19 | 25 | 19 | 20 | 5 | 13 | 19 | 5 |
| P= | S | Y | S | T | E | M | S | E |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Text= | P | H | E | V | G | L |
|  | 16 | 8 | 5 | 22 | 7 | 12 |
| - | 2379 | 2379 | 2379 | 2379 | 2379 | 2379 |
|  | -2363 | -2371 | -2374 | -2357 | -2372 | -2367 |
| Mod | 3 | 21 | 18 | 9 | 20 | 25 |
| P= | C | U | R | I | T | Y |

Encrypt: “VASBEZNGVBA FLFGRZ FRPHEVGL” = Information System Security