1077-VJ-2130 Mark Wissler* (Mark.Wissler@gmail.com), 100 N University Drive, Edmond, OK 73034, and Lavinia Ciungu. A Variation of the ElGamal Encryption Method. Preliminary report.
In cryptography, the discrete $\log$ problem is a well-known encryption tool. It is useful due to the difficulty, given the values of $a, y$, and $n$ in the equation $a^{x}=y(\bmod n)$, of solving for $x$. We try to take this problem one step further and examine the substitution by the integer part of the exponential mod 26 . For example: the letter $f$ would encrypt to $\left[e^{5}\right]=18(\bmod 26)$ which corresponds to $Q$. This is hypothesized to increase the difficulty by not encrypting directly to integer values. (Received September 21, 2011)

