

1075-94-249

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This papers tries to develop a safe cryptosystem. As the world becomes more connected, the demand for information and electronic services is growing. Protecting data and electronic systems, such as credit card numbers over the Internet, is crucial to our way of living. The techniques to protect data consist of cryptographic codes (i.e. cryptosystems) which encrypt the information needed to be protected. The harder to break, the safer a cryptosystem is, and this is accomplished by using various mathematical techniques. For example, some cryptosystems that are of current use (e.g. RSA) are based on mathematical problems (e.g. decomposition of large integers). The method we would like to explore in this project consists of combining basic cryptosystems to create a more advanced and therefore a stronger code. (Received September 01, 2011)