CIS 751 Lecture Assignment 11

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This document details encrypting/decrypting this article from Nature using openssl. The article was split into 13 chunks due to the size restrictions of RSA, labeled "article_chunk\${i}.txt". After generating the private/public key pair, all chunks were encrypted. The resulting encrypted files were then decrypted with the private key and combined to generate the original text. While there were some small differences between the original and decrypted files (due to my imperfect chunking with new lines), the article content in the decrypted file matched that of the original. Relevant code snippets are shown below.

RSA public/private key pairs were generated with the following commands:

done