

B7A-AA6 - Bit-Level Analysis of Cryptographic Functions - William Speirs - CRM

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Bit-Level Analysis of Cryptographic Functions

William R. Speirs, II and Ian Molloy







Any cryptographic function with a fixed number of input and output bits is selected.

The function is converted into a Boolean circuit.

The Boolean circuit can be converted into a system of equations. Satisfying the system breaks the function.

The circuit's complexity can be use as a metric to compare the relative security of two functions.





