

A8. Cover sheet.

1. NUSH PKCode

2. Asymmetric encryption schemes. Proposed security level:

Complexity of a key reconstruction equals to the amount of elementary operations defined by the formula for DLOG problem complexity given in NUSH PKCode description in part B.

Proposed environment: An eavesdropper knows all the details of the algorithm, can get and write down in memory at most as many as 10^{16} different pairs of plaintext-ciphertext blocks. He can also search through the memory in an efficient way such as a dichotomic search, lexicographic search etc.

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