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ID2 = 103 385 550 (Yu Sheng Tian)

Group Code (J, Y) = (3,7)

Assigned Plaintext and Key:

    00 00 00 00 00 00 00 00 00 00 00 00 00 00 ab d1 (plaintext)

    1a 0c 24 f2 87 54 93 bc b7 08 0e 43 93 0f 56 81 (key)

The program is written in C for operating system Windows (Microsoft).

Key Schedule Results for Each Round with the modified AES:

Round: 0:

   Key: 1a 0c 24 f2 87 54 93 bc b7 08 0e 43 93 0f 56 81

Round: 1:

   Key: 6d bd 28 2e ea e9 bb 92 5d e1 b5 d1 ce ee e3 50

Round: 2:

   Key: 47 ac 7b a5 ad 45 c0 37 f0 a4 75 e6 3e 4a 96 b6

Round: 3:

   Key: 95 3c 35 17 38 79 f5 20 c8 dd 80 c6 f6 97 16 70

Round: 4:

   Key: 15 7b 64 55 2d 02 91 75 e5 df 11 b3 13 48 07 c3

Round: 5:

   Key: 57 be 4a 28 7a bc db 5d 9f 63 ca ee 8c 2b cd 2d

Round: 6:

   Key: 86 03 92 4c fc bf 49 11 63 dc 83 ff ef f7 4e d2

Round: 7:

   Key: ae 2c 27 93 52 93 6e 82 31 4f ed 7d de b8 a3 af

Round: 8:

   Key: 42 26 5e 8e 10 b5 30 0c 21 fa dd 71 ff 42 7e de

Round: 9:

   Key: 75 d5 43 98 65 60 73 94 44 9a ae e5 bb d8 d0 3b

Round: 10:

   Key: 22 a5 a1 72 47 c5 d2 e6 03 5f 7c 03 b8 87 ac 38

Data Results for Each Round with the modified AES:

Round 0:

-----Start: 00 00 00 00 00 00 00 00 00 00 00 00 00 00 ab d1

----Output: 1a 0c 24 f2 87 54 93 bc b7 08 0e 43 93 0f fd 50

Round 1:

----Output: aa ea 12 fe 49 eb b4 c6 dd 9b a9 bb b2 b0 4c 39

Round 2:

----Output: 41 11 42 07 75 96 6b 2a 26 44 1d e3 a5 0e 02 2a

Round 3:

----Output: 62 96 41 6c 90 85 c2 7c 12 f6 b0 92 09 1e 5f a5

Round 4:

----Output: 19 d0 86 cc b4 fc c6 f8 92 87 91 cf d0 52 0d eb

Round 5:

----Output: 47 60 17 b7 de 36 29 87 04 a1 ce f9 c2 f6 3b 76

Round 6:

----Output: 1b 50 08 0e 18 0c c4 6c bd b6 f1 6e f2 04 5a e1

Round 7:

----Output: ab 64 3c cd d4 d0 0c d3 a8 ca f5 91 a1 2c fb 45

Round 8:

----Output: 9e fb 29 62 ae b9 ce ce 5b 8c e4 81 21 6e 70 2c

Round 9:

----Output: 81 b8 5f 58 b4 ea 1e 8c a2 f9 df 99 cc b1 3b bb

Round 10:

----Output: 2e 22 3f 98 ca 5c f3 8c 39 97 b3 67 f3 eb de d6