```
################################################################

  Block Cipher Modes of Operation

      Counter (CTR)

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CTR-TDES (Encryption)
----------------------------------------------------------------

Key1 is
    01234567 89ABCDEF
Key2 is
    23456789 ABCDEF01
Key3 is
    456789AB CDEF0123
Initial Counter Value is
    F69F2445 DF4F9B17
Plaintext is
    6BC1BEE2 2E409F96 E93D7E11 7393172A
    AE2D8A57 1E03AC9C 9EB76FAC 45AF8E51

  Block #1
    InputBlock    F69F2445 DF4F9B17
    OutputBlock   6C4A09AC 778EE140
    Text-In       6BC1BEE2 2E409F96
    Text-Out      078BB74E 59CE7ED6
  Block #2
    InputBlock    F69F2445 DF4F9B18
    OutputBlock   F0976FC3 2397EC4F
    Text-In       E93D7E11 7393172A
    Text-Out      19AA11D2 5004FB65
  Block #3
    InputBlock    F69F2445 DF4F9B19
    OutputBlock   0E1167A6 A408A526
    Text-In       AE2D8A57 1E03AC9C
    Text-Out      A03CEDF1 BA0B09BA
  Block #4
    InputBlock    F69F2445 DF4F9B1A
    OutputBlock   3D0BEE14 B33393F8
    Text-In       9EB76FAC 45AF8E51
    Text-Out      A3BC81B8 F69C1DA9

Ciphertext is
    078BB74E 59CE7ED6 19AA11D2 5004FB65
```

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    A03CEDF1 BA0B09BA A3BC81B8 F69C1DA9

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CTR-TDES (Decryption)
--------------------------------------------------------------

Key1 is
    01234567 89ABCDEF
Key2 is
    23456789 ABCDEF01
Key3 is
    456789AB CDEF0123
Initial Counter Value is
    F69F2445 DF4F9B17
Ciphertext is
    078BB74E 59CE7ED6 19AA11D2 5004FB65
    A03CEDF1 BA0B09BA A3BC81B8 F69C1DA9

  Block #1
    InputBlock    F69F2445 DF4F9B17
    OutputBlock   6C4A09AC 778EE140
    Text-In       078BB74E 59CE7ED6
    Text-Out      6BC1BEE2 2E409F96
  Block #2
    InputBlock    F69F2445 DF4F9B18
    OutputBlock   F0976FC3 2397EC4F
    Text-In       19AA11D2 5004FB65
    Text-Out      E93D7E11 7393172A
  Block #3
    InputBlock    F69F2445 DF4F9B19
    OutputBlock   0E1167A6 A408A526
    Text-In       A03CEDF1 BA0B09BA
    Text-Out      AE2D8A57 1E03AC9C
  Block #4
    InputBlock    F69F2445 DF4F9B1A
    OutputBlock   3D0BEE14 B33393F8
    Text-In       A3BC81B8 F69C1DA9
    Text-Out      9EB76FAC 45AF8E51

Plaintext is
    6BC1BEE2 2E409F96 E93D7E11 7393172A
    AE2D8A57 1E03AC9C 9EB76FAC 45AF8E51

**************************************************************
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################################################################

  Block Cipher Modes of Operation

      Counter (CTR)

################################################################

CTR-TDES (Encryption)
----------------------------------------------------------------

Key1 is
    01234567 89ABCDEF
Key2 is
    23456789 ABCDEF01
Key3 is
    01234567 89ABCDEF
Initial Counter Value is
    F69F2445 DF4F9B17
Plaintext is
    6BC1BEE2 2E409F96 E93D7E11 7393172A
    AE2D8A57 1E03AC9C 9EB76FAC 45AF8E51

  Block #1
    InputBlock    F69F2445 DF4F9B17
    OutputBlock   0A540720 EDD99653
    Text-In       6BC1BEE2 2E409F96
    Text-Out      6195B9C2 C39909C5
  Block #2
    InputBlock    F69F2445 DF4F9B18
    OutputBlock   32E2ECCB A83E4D77
    Text-In       E93D7E11 7393172A
    Text-Out      DBDF92DA DBAD5A5D
  Block #3
    InputBlock    F69F2445 DF4F9B19
    OutputBlock   BB45C27C EC5FEE55
    Text-In       AE2D8A57 1E03AC9C
    Text-Out      1568482B F25C42C9
  Block #4
    InputBlock    F69F2445 DF4F9B1A
    OutputBlock   F38F3C04 A2B48F5F
    Text-In       9EB76FAC 45AF8E51
    Text-Out      6D3853A8 E71B010E

Ciphertext is
    6195B9C2 C39909C5 DBDF92DA DBAD5A5D
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    1568482B F25C42C9 6D3853A8 E71B010E

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CTR-TDES (Decryption)
----------------------------------------------------------

Key1 is
    01234567 89ABCDEF
Key2 is
    23456789 ABCDEF01
Key3 is
    01234567 89ABCDEF
Initial Counter Value is
    F69F2445 DF4F9B17
Ciphertext is
    6195B9C2 C39909C5 DBDF92DA DBAD5A5D
    1568482B F25C42C9 6D3853A8 E71B010E

  Block #1
    InputBlock    F69F2445 DF4F9B17
    OutputBlock   0A540720 EDD99653
    Text-In       6195B9C2 C39909C5
    Text-Out      6BC1BEE2 2E409F96
  Block #2
    InputBlock    F69F2445 DF4F9B18
    OutputBlock   32E2ECCB A83E4D77
    Text-In       DBDF92DA DBAD5A5D
    Text-Out      E93D7E11 7393172A
  Block #3
    InputBlock    F69F2445 DF4F9B19
    OutputBlock   BB45C27C EC5FEE55
    Text-In       1568482B F25C42C9
    Text-Out      AE2D8A57 1E03AC9C
  Block #4
    InputBlock    F69F2445 DF4F9B1A
    OutputBlock   F38F3C04 A2B48F5F
    Text-In       6D3853A8 E71B010E
    Text-Out      9EB76FAC 45AF8E51

Plaintext is
    6BC1BEE2 2E409F96 E93D7E11 7393172A
    AE2D8A57 1E03AC9C 9EB76FAC 45AF8E51

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