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

  Block Cipher Modes of Operation

      Cipher Block Chaining (CBC)

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

CBC-TDES (Encryption)
---------------------------------------------------------------

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

  Block #1
    Plaintext     6BC1BEE2 2E409F96
    InputBlock    9D5E9AA7 F10F0481
    OutputBlock   2079C3D5 3AA763E1
    Ciphertext    2079C3D5 3AA763E1

  Block #2
    Plaintext     E93D7E11 7393172A
    InputBlock    C944BDC4 493474CB
    OutputBlock   93B79E25 69AB5262
    Ciphertext    93B79E25 69AB5262

  Block #3
    Plaintext     AE2D8A57 1E03AC9C
    InputBlock    3D9A1472 77A8FEFE
    OutputBlock   51657048 1F25B50F
    Ciphertext    51657048 1F25B50F

  Block #4
    Plaintext     9EB76FAC 45AF8E51
    InputBlock    CFD21FE4 5A8A3B5E
    OutputBlock   73C0BDA8 5C8E0DA7
    Ciphertext    73C0BDA8 5C8E0DA7
```

```
Ciphertext is
    2079C3D5 3AA763E1 93B79E25 69AB5262
    51657048 1F25B50F 73C0BDA8 5C8E0DA7

================================================================

CBC-TDES (Decryption)
----------------------------------------------------------------

Key1 is
    01234567 89ABCDEF
Key2 is
    23456789 ABCDEF01
Key3 is
    456789AB CDEF0123
IV is
    F69F2445 DF4F9B17
Ciphertext is
    2079C3D5 3AA763E1 93B79E25 69AB5262
    51657048 1F25B50F 73C0BDA8 5C8E0DA7

  Block #1
    Ciphertext    2079C3D5 3AA763E1
    InputBlock    2079C3D5 3AA763E1
    OutputBlock   9D5E9AA7 F10F0481
    Plaintext     6BC1BEE2 2E409F96

  Block #2
    Ciphertext    93B79E25 69AB5262
    InputBlock    93B79E25 69AB5262
    OutputBlock   C944BDC4 493474CB
    Plaintext     E93D7E11 7393172A

  Block #3
    Ciphertext    51657048 1F25B50F
    InputBlock    51657048 1F25B50F
    OutputBlock   3D9A1472 77A8FEFE
    Plaintext     AE2D8A57 1E03AC9C

  Block #4
    Ciphertext    73C0BDA8 5C8E0DA7
    InputBlock    73C0BDA8 5C8E0DA7
    OutputBlock   CFD21FE4 5A8A3B5E
    Plaintext     9EB76FAC 45AF8E51
```

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

**************************************************************

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

  Block Cipher Modes of Operation

      Cipher Block Chaining (CBC)

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

CBC-TDES (Encryption)
--------------------------------------------------------------

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

  Block #1
    Plaintext     6BC1BEE2 2E409F96
    InputBlock    9D5E9AA7 F10F0481
    OutputBlock   7401CE1E AB6D003C
    Ciphertext    7401CE1E AB6D003C

  Block #2
    Plaintext     E93D7E11 7393172A
    InputBlock    9D3CB00F D8FE1716
    OutputBlock   AFF84BF4 7B36CC21
    Ciphertext    AFF84BF4 7B36CC21

  Block #3
    Plaintext     AE2D8A57 1E03AC9C
    InputBlock    01D5C1A3 653560BD
```

```
    OutputBlock   54F0238F 9FFECD8F
    Ciphertext    54F0238F 9FFECD8F

  Block #4
    Plaintext     9EB76FAC 45AF8E51
    InputBlock    CA474C23 DA5143DE
    OutputBlock   6ACF1183 92B45581
    Ciphertext    6ACF1183 92B45581


Ciphertext is
    7401CE1E AB6D003C AFF84BF4 7B36CC21
    54F0238F 9FFECD8F 6ACF1183 92B45581

================================================================

CBC-TDES (Decryption)
----------------------------------------------------------------

Key1 is
    01234567 89ABCDEF
Key2 is
    23456789 ABCDEF01
Key3 is
    01234567 89ABCDEF
IV is
    F69F2445 DF4F9B17
Ciphertext is
    7401CE1E AB6D003C AFF84BF4 7B36CC21
    54F0238F 9FFECD8F 6ACF1183 92B45581

  Block #1
    Ciphertext    7401CE1E AB6D003C
    InputBlock    7401CE1E AB6D003C
    OutputBlock   9D5E9AA7 F10F0481
    Plaintext     6BC1BEE2 2E409F96

  Block #2
    Ciphertext    AFF84BF4 7B36CC21
    InputBlock    AFF84BF4 7B36CC21
    OutputBlock   9D3CB00F D8FE1716
    Plaintext     E93D7E11 7393172A

  Block #3
    Ciphertext    54F0238F 9FFECD8F
    InputBlock    54F0238F 9FFECD8F
```

```
    OutputBlock   01D5C1A3 653560BD
    Plaintext     AE2D8A57 1E03AC9C

  Block #4
    Ciphertext    6ACF1183 92B45581
    InputBlock    6ACF1183 92B45581
    OutputBlock   CA474C23 DA5143DE
    Plaintext     9EB76FAC 45AF8E51


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

****************************************************************
```