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

  Block Cipher Modes of Operation

      Output Feedback (OFB)

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

OFB-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
    InputBlock    F69F2445 DF4F9B17
    OutputBlock   6C4A09AC 778EE140
    Text-In       6BC1BEE2 2E409F96
    Text-Out      078BB74E 59CE7ED6
  Block #2
    InputBlock    6C4A09AC 778EE140
    OutputBlock   CF436C17 E1F56A8B
    Text-In       E93D7E11 7393172A
    Text-Out      267E1206 92667DA1
  Block #3
    InputBlock    CF436C17 E1F56A8B
    OutputBlock   0BABE880 FE4F10F8
    Text-In       AE2D8A57 1E03AC9C
    Text-Out      A58662D7 E04CBC64
  Block #4
    InputBlock    0BABE880 FE4F10F8
    OutputBlock   BFF3BAF0 4674D4BF
    Text-In       9EB76FAC 45AF8E51
    Text-Out      2144D55C 03DB5AEE

Ciphertext is
    078BB74E 59CE7ED6 267E1206 92667DA1
```

```
    A58662D7 E04CBC64 2144D55C 03DB5AEE

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

OFB-TDES (Decryption)
----------------------------------------------------------

Key1 is
    01234567 89ABCDEF
Key2 is
    23456789 ABCDEF01
Key3 is
    456789AB CDEF0123
IV is
    F69F2445 DF4F9B17
Ciphertext is
    078BB74E 59CE7ED6 267E1206 92667DA1
    A58662D7 E04CBC64 2144D55C 03DB5AEE

  Block #1
    InputBlock    F69F2445 DF4F9B17
    OutputBlock   6C4A09AC 778EE140
    Text-In       078BB74E 59CE7ED6
    Text-Out      6BC1BEE2 2E409F96
  Block #2
    InputBlock    6C4A09AC 778EE140
    OutputBlock   CF436C17 E1F56A8B
    Text-In       267E1206 92667DA1
    Text-Out      E93D7E11 7393172A
  Block #3
    InputBlock    CF436C17 E1F56A8B
    OutputBlock   0BABE880 FE4F10F8
    Text-In       A58662D7 E04CBC64
    Text-Out      AE2D8A57 1E03AC9C
  Block #4
    InputBlock    0BABE880 FE4F10F8
    OutputBlock   BFF3BAF0 4674D4BF
    Text-In       2144D55C 03DB5AEE
    Text-Out      9EB76FAC 45AF8E51

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

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

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

  Block Cipher Modes of Operation

      Output Feedback (OFB)

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

OFB-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
    InputBlock    F69F2445 DF4F9B17
    OutputBlock   0A540720 EDD99653
    Text-In       6BC1BEE2 2E409F96
    Text-Out      6195B9C2 C39909C5
  Block #2
    InputBlock    0A540720 EDD99653
    OutputBlock   DA09C466 8C4FDBAA
    Text-In       E93D7E11 7393172A
    Text-Out      3334BA77 FFDCCC80
  Block #3
    InputBlock    DA09C466 8C4FDBAA
    OutputBlock   4AA86208 14604BF8
    Text-In       AE2D8A57 1E03AC9C
    Text-Out      E485E85F 0A63E764
  Block #4
    InputBlock    4AA86208 14604BF8
    OutputBlock   F33A1C82 768B91C5
    Text-In       9EB76FAC 45AF8E51
    Text-Out      6D8D732E 33241F94

Ciphertext is
    6195B9C2 C39909C5 3334BA77 FFDCCC80
```

```
    E485E85F 0A63E764 6D8D732E 33241F94

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

OFB-TDES (Decryption)
----------------------------------------------------------

Key1 is
    01234567 89ABCDEF
Key2 is
    23456789 ABCDEF01
Key3 is
    01234567 89ABCDEF
IV is
    F69F2445 DF4F9B17
Ciphertext is
    6195B9C2 C39909C5 3334BA77 FFDCCC80
    E485E85F 0A63E764 6D8D732E 33241F94

  Block #1
    InputBlock    F69F2445 DF4F9B17
    OutputBlock   0A540720 EDD99653
    Text-In       6195B9C2 C39909C5
    Text-Out      6BC1BEE2 2E409F96
  Block #2
    InputBlock    0A540720 EDD99653
    OutputBlock   DA09C466 8C4FDBAA
    Text-In       3334BA77 FFDCCC80
    Text-Out      E93D7E11 7393172A
  Block #3
    InputBlock    DA09C466 8C4FDBAA
    OutputBlock   4AA86208 14604BF8
    Text-In       E485E85F 0A63E764
    Text-Out      AE2D8A57 1E03AC9C
  Block #4
    InputBlock    4AA86208 14604BF8
    OutputBlock   F33A1C82 768B91C5
    Text-In       6D8D732E 33241F94
    Text-Out      9EB76FAC 45AF8E51

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

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