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

  Block Cipher Modes of Operation

      Cipher FeedBack (CFB)

IV is
    00010203 04050607 08090A0B 0C0D0E0F

Plaintext is
    6BC1BEE2 2E409F96 E93D7E11 7393172A
    AE2D8A57 1E03AC9C 9EB76FAC 45AF8E51
    30C81C46 A35CE411 E5FBC119 1A0A52EF
    F69F2445 DF4F9B17 AD2B417B E66C3710

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

CFB-AES128 (Encryption)

  Segment Length = 128

----------------------------------------------------------------

Key is
    2B7E1516 28AED2A6 ABF71588 09CF4F3C

Plaintext is
    6BC1BEE2 2E409F96 E93D7E11 7393172A
    AE2D8A57 1E03AC9C 9EB76FAC 45AF8E51
    30C81C46 A35CE411 E5FBC119 1A0A52EF
    F69F2445 DF4F9B17 AD2B417B E66C3710


Ciphertext is
    3B3FD92E B72DAD20 333449F8 E83CFB4A
    C8A64537 A0B3A93F CDE3CDAD 9F1CE58B
    26751F67 A3CBB140 B1808CF1 87A4F4DF
    C04B0535 7C5D1C0E EAC4C66F 9FF7F2E6

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

CFB-AES128 (Decryption)

  Segment Length = 128

----------------------------------------------------------------
```

```
Key is
    2B7E1516 28AED2A6 ABF71588 09CF4F3C

Ciphertext is
    3B3FD92E B72DAD20 333449F8 E83CFB4A
    C8A64537 A0B3A93F CDE3CDAD 9F1CE58B
    26751F67 A3CBB140 B1808CF1 87A4F4DF
    C04B0535 7C5D1C0E EAC4C66F 9FF7F2E6


Plaintext is
    6BC1BEE2 2E409F96 E93D7E11 7393172A
    AE2D8A57 1E03AC9C 9EB76FAC 45AF8E51
    30C81C46 A35CE411 E5FBC119 1A0A52EF
    F69F2445 DF4F9B17 AD2B417B E66C3710

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

CFB-AES128 (Encryption)

  Segment Length = 8

----------------------------------------------------------------

Key is
    2B7E1516 28AED2A6 ABF71588 09CF4F3C

Plaintext is
    6BC1BEE2 2E409F96 E93D7E11 7393172A


Ciphertext is
    3B79424C 9C0DD436 BACE9E0E D4586A4F

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

CFB-AES128 (Decryption)

  Segment Length = 8

----------------------------------------------------------------

Key is
    2B7E1516 28AED2A6 ABF71588 09CF4F3C
```

```
Ciphertext is
    3B79424C 9C0DD436 BACE9E0E D4586A4F


Plaintext is
    6BC1BEE2 2E409F96 E93D7E11 7393172A

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

CFB-AES128 (Encryption)

  Segment Length = 1

----------------------------------------------------------

Key is
    2B7E1516 28AED2A6 ABF71588 09CF4F3C

Plaintext is
    6BC1


Ciphertext is
    69C8

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

CFB-AES128 (Decryption)

  Segment Length = 1

----------------------------------------------------------

Key is
    2B7E1516 28AED2A6 ABF71588 09CF4F3C

Ciphertext is
    69C8


Plaintext is
    6A59

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

==========================================================
```

```
CFB-AES192 (Encryption)

  Segment Length = 128

------------------------------------------------------------

Key is
    8E73B0F7 DA0E6452 C810F32B 809079E5
    62F8EAD2 522C6B7B

Plaintext is
    6BC1BEE2 2E409F96 E93D7E11 7393172A
    AE2D8A57 1E03AC9C 9EB76FAC 45AF8E51
    30C81C46 A35CE411 E5FBC119 1A0A52EF
    F69F2445 DF4F9B17 AD2B417B E66C3710


Ciphertext is
    CDC80D6F DDF18CAB 34C25909 C99A4174
    67CE7F7F 81173621 961A2B70 171D3D7A
    2E1E8A1D D59B88B1 C8E60FED 1EFAC4C9
    C05F9F9C A9834FA0 42AE8FBA 584B09FF

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

CFB-AES192 (Decryption)

  Segment Length = 128

------------------------------------------------------------

Key is
    8E73B0F7 DA0E6452 C810F32B 809079E5
    62F8EAD2 522C6B7B

Ciphertext is
    CDC80D6F DDF18CAB 34C25909 C99A4174
    67CE7F7F 81173621 961A2B70 171D3D7A
    2E1E8A1D D59B88B1 C8E60FED 1EFAC4C9
    C05F9F9C A9834FA0 42AE8FBA 584B09FF


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

```
    30C81C46 A35CE411 E5FBC119 1A0A52EF
    F69F2445 DF4F9B17 AD2B417B E66C3710

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

CFB-AES192 (Encryption)

  Segment Length = 8

----------------------------------------------------------

Key is
    8E73B0F7 DA0E6452 C810F32B 809079E5
    62F8EAD2 522C6B7B

Plaintext is
    6BC1BEE2 2E409F96 E93D7E11 7393172A


Ciphertext is
    CDA2521E F0A905CA 44CD057C BF0D47A0

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

CFB-AES192 (Decryption)

  Segment Length = 8

----------------------------------------------------------

Key is
    8E73B0F7 DA0E6452 C810F32B 809079E5
    62F8EAD2 522C6B7B

Ciphertext is
    CDA2521E F0A905CA 44CD057C BF0D47A0


Plaintext is
    6BC1BEE2 2E409F96 E93D7E11 7393172A

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

CFB-AES192 (Encryption)

  Segment Length = 1
```

```
---------------------------------------------------------------

Key is
    8E73B0F7 DA0E6452 C810F32B 809079E5
    62F8EAD2 522C6B7B

Plaintext is
    6BC1


Ciphertext is
    9776

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

CFB-AES192 (Decryption)

  Segment Length = 1

---------------------------------------------------------------

Key is
    8E73B0F7 DA0E6452 C810F32B 809079E5
    62F8EAD2 522C6B7B

Ciphertext is
    9776


Plaintext is
    6EE0

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

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CFB-AES256 (Encryption)

  Segment Length = 128

---------------------------------------------------------------

Key is
    603DEB10 15CA71BE 2B73AEF0 857D7781
    1F352C07 3B6108D7 2D9810A3 0914DFF4
```

```
Plaintext is
    6BC1BEE2 2E409F96 E93D7E11 7393172A
    AE2D8A57 1E03AC9C 9EB76FAC 45AF8E51
    30C81C46 A35CE411 E5FBC119 1A0A52EF
    F69F2445 DF4F9B17 AD2B417B E66C3710


Ciphertext is
    DC7E84BF DA79164B 7ECD8486 985D3860
    39FFED14 3B28B1C8 32113C63 31E5407B
    DF101324 15E54B92 A13ED0A8 267AE2F9
    75A38574 1AB9CEF8 2031623D 55B1E471

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

CFB-AES256 (Decryption)

  Segment Length = 128

------------------------------------------------------------

Key is
    603DEB10 15CA71BE 2B73AEF0 857D7781
    1F352C07 3B6108D7 2D9810A3 0914DFF4

Ciphertext is
    DC7E84BF DA79164B 7ECD8486 985D3860
    39FFED14 3B28B1C8 32113C63 31E5407B
    DF101324 15E54B92 A13ED0A8 267AE2F9
    75A38574 1AB9CEF8 2031623D 55B1E471


Plaintext is
    6BC1BEE2 2E409F96 E93D7E11 7393172A
    AE2D8A57 1E03AC9C 9EB76FAC 45AF8E51
    30C81C46 A35CE411 E5FBC119 1A0A52EF
    F69F2445 DF4F9B17 AD2B417B E66C3710

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

CFB-AES256 (Encryption)

  Segment Length = 8

------------------------------------------------------------
```

```
Key is
    603DEB10 15CA71BE 2B73AEF0 857D7781
    1F352C07 3B6108D7 2D9810A3 0914DFF4

Plaintext is
    6BC1BEE2 2E409F96 E93D7E11 7393172A


Ciphertext is
    DC1F1A85 20A64DB5 5FCC8AC5 54844E88

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

CFB-AES256 (Decryption)

  Segment Length = 8

----------------------------------------------------------------

Key is
    603DEB10 15CA71BE 2B73AEF0 857D7781
    1F352C07 3B6108D7 2D9810A3 0914DFF4

Ciphertext is
    DC1F1A85 20A64DB5 5FCC8AC5 54844E88


Plaintext is
    6BC1BEE2 2E409F96 E93D7E11 7393172A

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

CFB-AES256 (Encryption)

  Segment Length = 1

----------------------------------------------------------------

Key is
    603DEB10 15CA71BE 2B73AEF0 857D7781
    1F352C07 3B6108D7 2D9810A3 0914DFF4

Plaintext is
    6BC1
```

```
Ciphertext is
    93D0

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

CFB-AES256 (Decryption)

  Segment Length = 1

----------------------------------------------------------

Key is
    603DEB10 15CA71BE 2B73AEF0 857D7781
    1F352C07 3B6108D7 2D9810A3 0914DFF4

Ciphertext is
    93D0


Plaintext is
    69F4

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