In A\_output: Sender A sends the Frame aaa data

Input Bit String: 110000111000011100001010

Generator Polynomial: 1011

Calculated CRC: 010

Error Detection Mechanism is started

Input Bit String: 110000111000011100001010010

Generator Polynomial: 1011

No error is occured

In B\_input: Receiver B receives valid frame aaa data

In B\_input: Receiver B waits for Sending the acknowledged frame for aaa data

In A\_timerinterrupt: Sender A retransmits the last frame aaa data

TOLAYER3: frame being corrupted

Error Detection Mechanism is started

Input Bit String: 101101011000011100001010010

Generator Polynomial: 1011

Error is Detected

In B\_input: Receiver B receives Corrupted frame Zaa data.......Drop

In B\_input: Receiver B sends negative acknowledgement(NACK)

Input Bit String: 101

Generator Polynomial: 1011

Calculated CRC: 100

TOLAYER3: frame being corrupted

Error Detection Mechanism is started

Input Bit String: 1011010101100

Generator Polynomial: 1011

Error is Detected

In A\_input: Acknowledged frame got Corrupted.......drop

In A\_timerinterrupt: Sender A retransmits the last frame aaa data

Error Detection Mechanism is started

Input Bit String: 110000111000011100001010010

Generator Polynomial: 1011

No error is occured

In B\_input: Receiver B discards duplicate frame for aaa data......Drop

In B\_input: Receiver B sends negative acknowledgement(NACK)

Input Bit String: 101

Generator Polynomial: 1011

Calculated CRC: 100

TOLAYER3: frame being corrupted

Error Detection Mechanism is started

Input Bit String: 1011010101100

Generator Polynomial: 1011

Error is Detected

In A\_input: Acknowledged frame got Corrupted.......drop

In A\_timerinterrupt: Sender A retransmits the last frame aaa data

Error Detection Mechanism is started

Input Bit String: 110000111000011100001010010

Generator Polynomial: 1011

No error is occured

In B\_input: Receiver B discards duplicate frame for aaa data......Drop

In B\_input: Receiver B sends negative acknowledgement(NACK)

Input Bit String: 101

Generator Polynomial: 1011

Calculated CRC: 100

TOLAYER3: frame being corrupted

Error Detection Mechanism is started

Input Bit String: 1011010101100

Generator Polynomial: 1011

Error is Detected

In A\_input: Acknowledged frame got Corrupted.......drop

In A\_timerinterrupt: Sender A retransmits the last frame aaa data

TOLAYER3: frame being corrupted

Error Detection Mechanism is started

Input Bit String: 101101011000011100001010010

Generator Polynomial: 1011

Error is Detected

In B\_input: Receiver B receives Corrupted frame Zaa data.......Drop

In B\_input: Receiver B sends negative acknowledgement(NACK)

Input Bit String: 101

Generator Polynomial: 1011

Calculated CRC: 100

TOLAYER3: frame being corrupted

Error Detection Mechanism is started

Input Bit String: 1011010101100

Generator Polynomial: 1011

Error is Detected

In A\_input: Acknowledged frame got Corrupted.......drop

In A\_timerinterrupt: Sender A retransmits the last frame aaa data

TOLAYER3: frame being corrupted

Error Detection Mechanism is started

Input Bit String: 101101011000011100001010010

Generator Polynomial: 1011

Error is Detected

In B\_input: Receiver B receives Corrupted frame Zaa data.......Drop

In B\_input: Receiver B sends negative acknowledgement(NACK)

Input Bit String: 101

Generator Polynomial: 1011

Calculated CRC: 100

Error Detection Mechanism is started

Input Bit String: 101100

Generator Polynomial: 1011

No error is occured

In A\_input: Sender A receives valid acknowledged frame

In A\_output: Sender A sends the Frame bbb data

Input Bit String: 110001011000101100010110

Generator Polynomial: 1011

Calculated CRC: 001

TOLAYER3: frame being corrupted

Error Detection Mechanism is started

Input Bit String: 101101011000101100010110001

Generator Polynomial: 1011

Error is Detected

In B\_input: Receiver B receives Corrupted frame Zbb data.......Drop

In B\_input: Receiver B sends negative acknowledgement(NACK)

Input Bit String: 101

Generator Polynomial: 1011

Calculated CRC: 100

Error Detection Mechanism is started

Input Bit String: 101100

Generator Polynomial: 1011

No error is occured

In A\_input: Ignoring Acknowledgement.......drop

In A\_timerinterrupt: Sender A retransmits the last frame bbb data

Error Detection Mechanism is started

Input Bit String: 110001011000101100010110001

Generator Polynomial: 1011

No error is occured

In B\_input: Receiver B receives valid frame bbb data

In B\_input: Receiver B waits for Sending the acknowledged frame for bbb data

In A\_timerinterrupt: Sender A retransmits the last frame bbb data

TOLAYER3: frame being corrupted

Error Detection Mechanism is started

Input Bit String: 1100010110001011000101111010000100011111110001

Generator Polynomial: 1011

Error is Detected

In B\_input: Receiver B receives Corrupted frame bbb data.......Drop

In B\_input: Receiver B sends negative acknowledgement(NACK)

Input Bit String: 111

Generator Polynomial: 1011

Calculated CRC: 010

Error Detection Mechanism is started

Input Bit String: 111010

Generator Polynomial: 1011

No error is occured

In A\_input: Sender A receives valid acknowledged frame