

Programming Exercise 1

Exercise Problems

- (a) $M = 10100111110011010110011000110100\ 00101100100000100110110110001011$
 $00101011110100101110010000010010,$
 $K = 01100100011010001111110101101110,$
 $IV = 01101100000011011111000000110010.$
- (b) $M = 11001100000110101000100101011001\ 00001000001001100011001010000010$
 $01010001000010010111001100110000,$
 $K = 01001101010010100010110110111110,$
 $IV = 10110100101111110110111110100111.$
- (c) $M = 00001011110100011110001101100100\ 00100110001011000101010101100100$
 $00011000110111011010000011001001,$
 $K = 01000110111001000110110010110000,$
 $IV = 11011111010101110111111011000010.$
- (d) $M = 11110101101000010100101110101011\ 10000000111100000000100110001000$
 $10100111110111101001111101001100\ 11001100010001010000110010111010,$
 $K = 11001010110011100001100101101001,$
 $IV = 11100000111000001101010010101101.$
- (e) $M = 11011001011000001000100111000101\ 00110110010000001010110001001100$
 $11101111000110100010111001101101\ 10101110011011011001010000100110,$
 $K = 00001001001001000110011010001111,$
 $IV = 01011100011111011100001110000000.$
- (f) $M = 11000001111110110100000111000010\ 10111101100110110000111011001101$
 $10111110001111011110110111111100\ 01111001100010011100100011101110,$
 $K = 10101101110000011001011001011011,$
 $IV = 01100110000100111011101001000110.$
- (g) $M = 01100110110111001110010000110111\ 01100001111000001001001001000100$
 $00010011011100101000110110010000\ 11000011001011100000101010010100$
 $00111101011010110010010100101001,$
 $K = 10000011011001000101001001110011,$
 $IV = 00100011010101000000111000001110.$
- (h) $M = 01000000110000011011100100000100\ 00101111000101001001010010111001$
 $10000001001110001010110000000010\ 00111101011011011000011101010101$
 $11010010100101100011110011110101,$
 $K = 00001010010111000101000010010100,$
 $IV = 00011111100100011101010001100100.$