

Q: Embed the character [X] in the following image byte using LSB method

60 65 78 75 68 67 70 72

solution:

character 'X' in binary is [01011000]

stego_byte:60 65 78 75 69 66 70 72

Q: Extract the message from image byte embedded in LSB method

128 125 123 120 114 116 118 121

solution:

the message is [01100001] is 'a' character

Q: Embed the secret image in cover image using image downgrading method

secret image: 112 118 116 114

cover image: 50 55 56 54

solution:

secret_image: 01110000 01110110 01110100 01110010

cover_image: 00110010 00110111 00111000 00110110

stego image: 00111110 00111110 00111110 00111110

Q: Extract the secret image from the following stego _image using image downgrading method

stego_image: 55 60 80 85

solution

stego_image: 00110111 00111100 01010000 01010101

secret image: 11100000 00110000 0000000 10100000

Q: Embed the message [A] in the following image using parity bit method if you know the block size is 2*2

55	50	52	45	49	56
54	53	50	47	51	52
54	52	58	60	62	65
57	58	56	62	64	63
67	70	72	74	65	60
62	71	73	70	64	62

solution

‘A ‘ in binary is 01000001

54	50	52	45	49	56
54	53	50	47	51	52
53	52	58	60	62	65
57	58	56	62	64	63
66	70	71	74	65	60
62	71	73	70	64	62