

(a) mov ax, 0fecdh

shl ax, 1

shl al, 1

shr ax, 1

shr al, 1

11111111 011001101
111111 01100110 10
000000 00001101 00
000000 00000110 10
00001101

(b) mov cl, 3

mov bh, lbh

shr bh, cl

00011011

00001101 - (i)

00000110 - (ii)

00000011 - (iii)

(c) mov dh, 09h

rcl dh, 1

rcr dh, 1

0001001

0000100

1100010

1

0

(d) mov ax, 0b452h

mov cl, 03h

shl ax, cl

rcl ax, cl CF=1

shr ax, cl

ror ax, cl

1011010001010010

1010001010010000

0001010010000000

0000001010010000

0000000001010010