(1) MOV DL, 0Dh [BP+SI]

even

SS: 38E00h

BP: 1BA4h

SI: 05AD$_{13}$h

disp: + 0D$_{13}$h

DL ← 3AF5Eh [alligned data transfer]

(2) MOV CX, 123Eh [BX]

DS: 1A180h

BX: 089B$_{11}$h

displ: + 123E$_{14}$h

CX ← 1BBD9h (odd add)

Its a misalligned data transfer: since you are asking up to start from odd add/higher bank.

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③ MOV AX, ES:[BP][SI]011Ch

ES: 2 3 B_{11} 0 0

BP: 1 B_{11} A_{10} 4

SI: 0 5 A_{10} D_{13}

disp: 0 1 1 C_{12}

AX ← 25D6 D, h (odd) misalligned data tx.

④ MOV [BX + DI], BX

DS: 1 A_{10} 1 0 0 h

BX: 0 8 9 B_{11} h

DI: + 0 9 E_{14} F_{15} h

1B38 A h → DX (even) alligned data transfer.

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(e) MOV CX, SS:[BX] 10EFh

SS: 38E14 0 0 h
BX: 0 8 9 B11 h
displ: +10E14F15 h

CL ← 3A78A h (even) alligned
CH ← 3A78B h (odd)

(f) MOV BX, 344Ah [SI] ⇒ DS

DS: 1A10 8 0 h
SI: 0 5 A10 D13 h
displ: + 3 4 4 A10 h

BX ← 1DAF7 h (odd/high) misalligned!

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(9) mov DX, CS:[BP] 4Ah

CS : 48900h
BP : 1B11A104h
displ : +4A10h

DL ← 4A4EEh (alligned)
even/Lower

DH ← 4A4EFh
odd/higher.