

16.317: Microprocessor Systems Design I

Fall 2013

Lecture 7: Key Questions

September 18, 2013

- Describe the operation of the MOVZX/MOVSB instructions. How/when are these instructions useful?
- Assume: AX = 0100H, DX = 8100H, (DS:100H) = 00H, (DS:101H) = FFH. What are the results of the following instructions?
 - MOVSB EBX, AX
 - MOVSB EBX, DX
 - MOVZB EBX, DX
 - MOVSB EBX, BYTE PTR [100H]
 - MOVSB EBX, WORD PTR [100H]

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