6. Conditional Processing
Tuesday, September 10, 2024 12:22 PM 6.2 Conditional Jumps
CMP Instruction
→ compares left op and right op
CMP reg, reg
reg, men (Same Size operands
mem, reg
Mem, imm
> compare instruction will followed by a conditional jump
conditional Jump
je - jump if equal
Ine-jump if not equal
jg - jump if greater than (leftop>rightop)
JL- jump if less than (left Op < right Op)
example's code eax ebx
cmp eax jebx [5]
mov ecx, 5
* Boolean Instructions (Bitwise Operations)
* Perform bitwise comparisons.
* AND instruction, OR instruction, XOR instruction
Not instruction





