

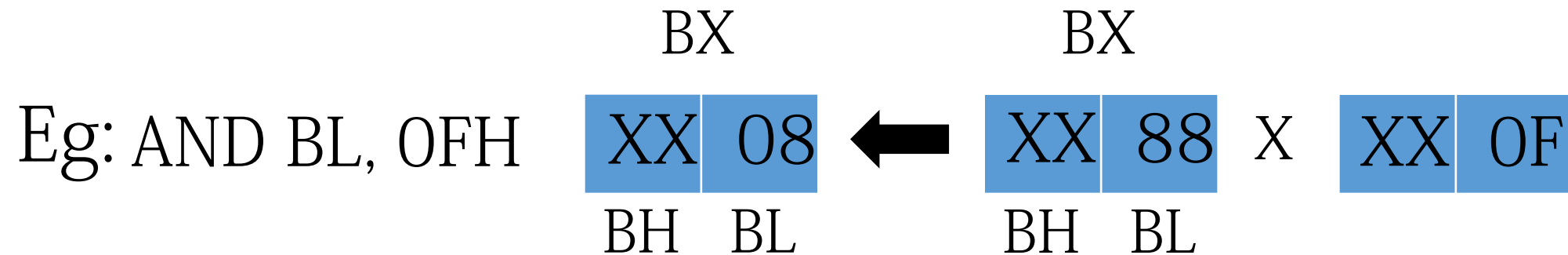
Lecture two

LOGICAL Instructions

- AND
- OR
- XOR
- NOT
- TEST
- CMP
- JNZ
- JZ

AND

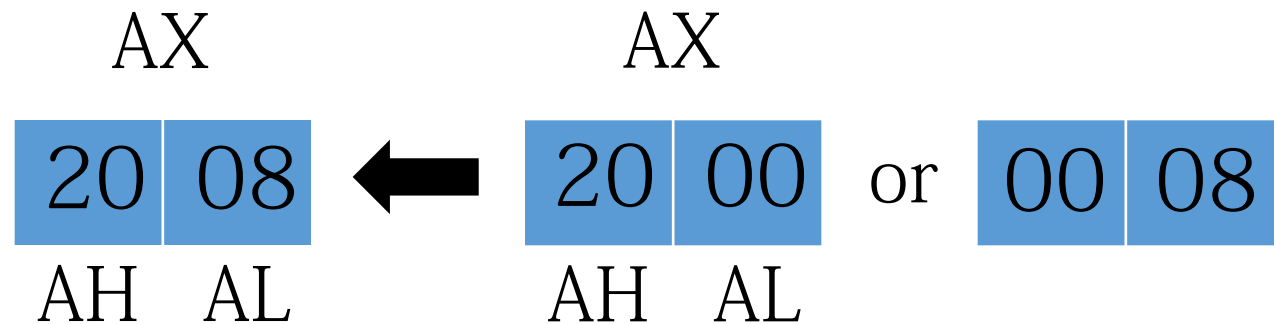
AND Destination, Source



OR

OR Destination, Source

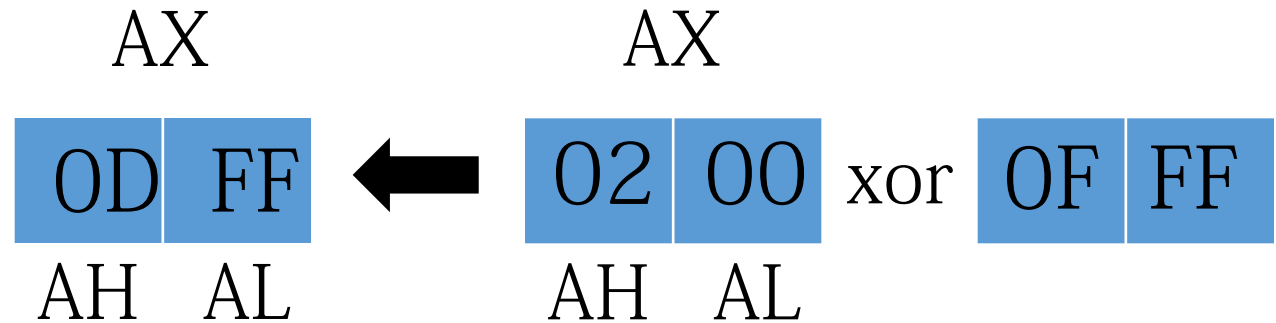
Eg: MOV AX, 2000h
OR AX, 0008h



XOR

XOR Destination, Source

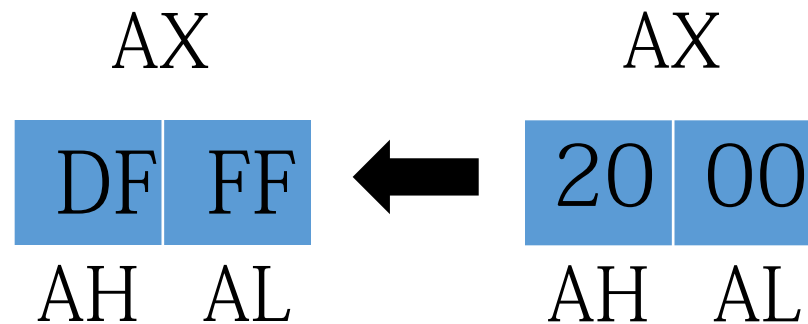
Eg: MOV AX, 0200h
XOR AX, 0008h



NOT

NOT Source

Eg: MOV AX, 2000h
NOT AX



TEST

TEST Destination, Source

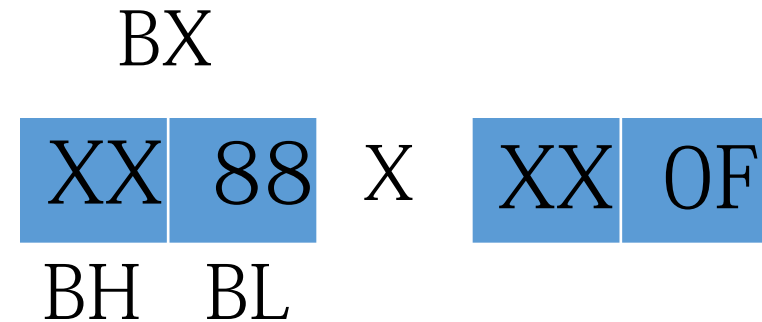
Eg: TEST BL, OFH

BX
XX 88 X XX OF
BH BL

CMP

CMP Destination, Source

Eg: CMP BL, OFH



JNZ

JNZ label

Short Jump if Not Zero (not equal). Set by CMP, SUB, ADD, TEST, AND, OR, XOR instructions.

if ZF = 0 then jump

JZ

JZ label

Short Jump if Zero (equal). Set by CMP, SUB, ADD, TEST, AND, OR, XOR instructions.

if $ZF = 1$ then jump