SICXE MACHINE ARCHITECTURE

- _ Instruction formats
 - 4 formats
 - Format 1: 1' Byte.

FIX

FLOAT

- Format 2: 2 Bytis

OPPODE	R#	R#
8 bits	H	H
ADIR		
COMPR		

- Format 3: 3 bytis

_ Format 4: 4 Bytes

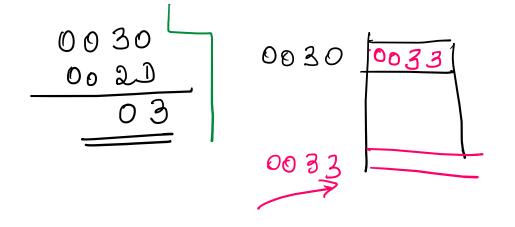
OPCODE	hi x b pe	Address
6 bits		20 bits.

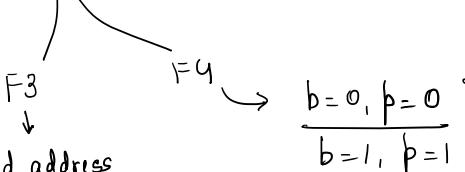
+ JSUB R'GUBROUTINE

2: Extended -> F3/F4 p'b : h, i n=0 : Immediate addressing - Operand is directly given in the instruction 0000 DO LDA 0000 0 000 0000 00 1001 A < 9. N=1, v=0 : Indirect Addressing A - 1013-11 C - I 2 @ RETAD R 1100 indird 0000 00 11 000 $3c \rightarrow J$ $FA \rightarrow 002D$ Ruative: b=0, b=1 PC 0021 0004 [PC] >> 00 2D 0031 00 30

X: Indixid

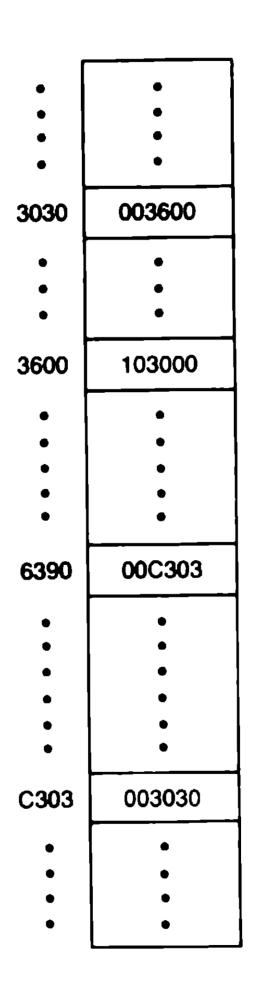
RETADR -> 00 30





Operand address , 12 bit

Displacement -> Operand address



(B) =
$$006000$$

(PC) = 003000

$$(X) = 0000 0 90$$

1) 03 2500

$$l = 0 : -3$$