CWP2 LT

- CW2 2020,21,22 BB test with multiple choice & fill in blank questions
- CW2 2019 & before written 'class' test
- TODAY: Revieur a complé of 2019 questions, then on to CWP2 2022.

2019 On 2, On 3

* Two Memory Hierachy Properties:

registers in processor main memory USB (etc) Tapes / Cloud

* (binay)

DA carry =

DA sum =

ALU sum =

+ 1010

1.1

$$r := 15$$

$$c := 1$$

$$r := r - c$$

$$c := c + 1$$
if $r \neq 0$ then L
exit

1.2 See p.2 (& stides) Memory Hierachy

```
1.4 (a)
(b)
(c)
(d)
```

Circle the cells Word Locations of 4 cells ? Address (WL) Address (WL) Address = 7

Revision	Question: Give	ALU com	putation (5
of	3 - (-7) in	4-bit si	gned binary.
•	3 _d =		-8 4 2 1

-7d = s

Binary Negation of 1

So we have Correct denay result =

+ ____ ALU result in denay =

Pinary

ALUresult correct? Y/N

Words of 2 cells

& Content of W.L.

1 BE =

3 LE =

OBE =

68

Show

1111 0001 1010

if WL consist of 3 cells

for both BE & LE*

stored in WL 66 15 65 67

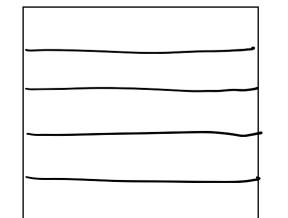
1.5 (a) Addresses must be

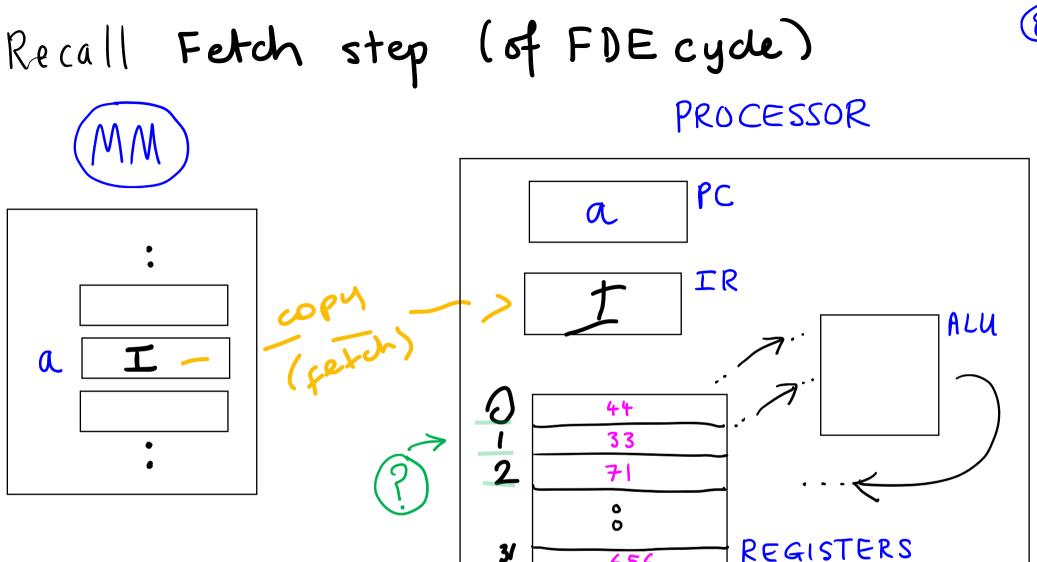
$$a+6$$
, $(a+6)-1$,

(b) Store 000 III 000 [0 | 010 BE

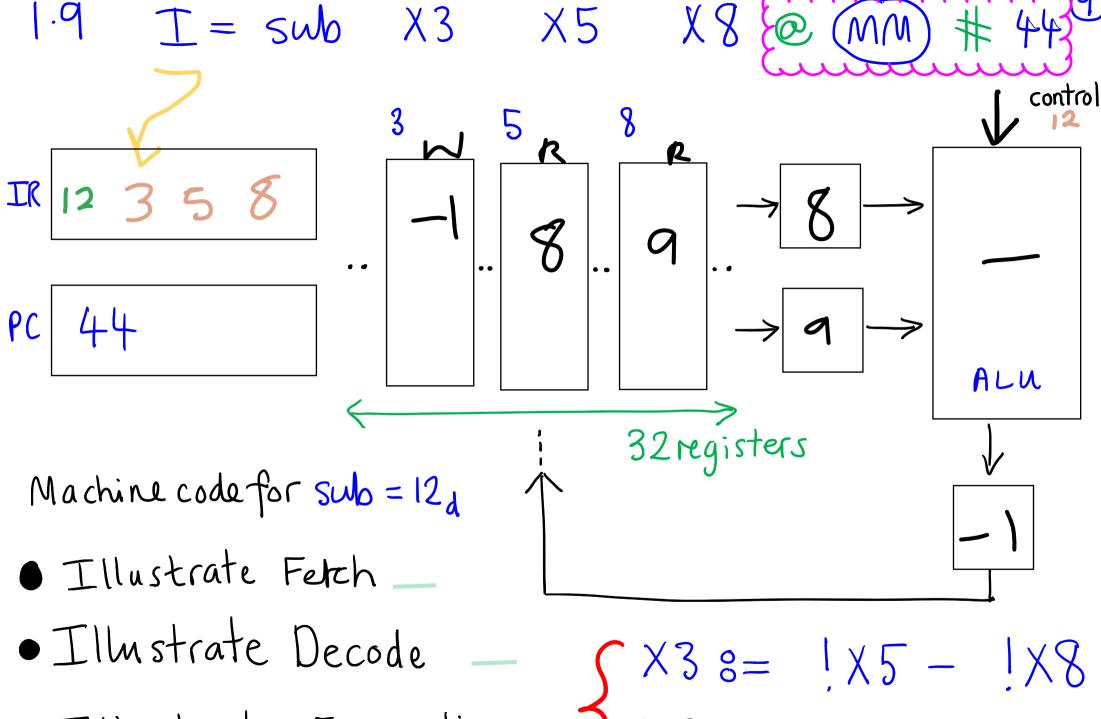


(c) LE





What happens at instruction fetch? What are !XO,!XI,!X31



● Illustrate Execution_ 2 AL