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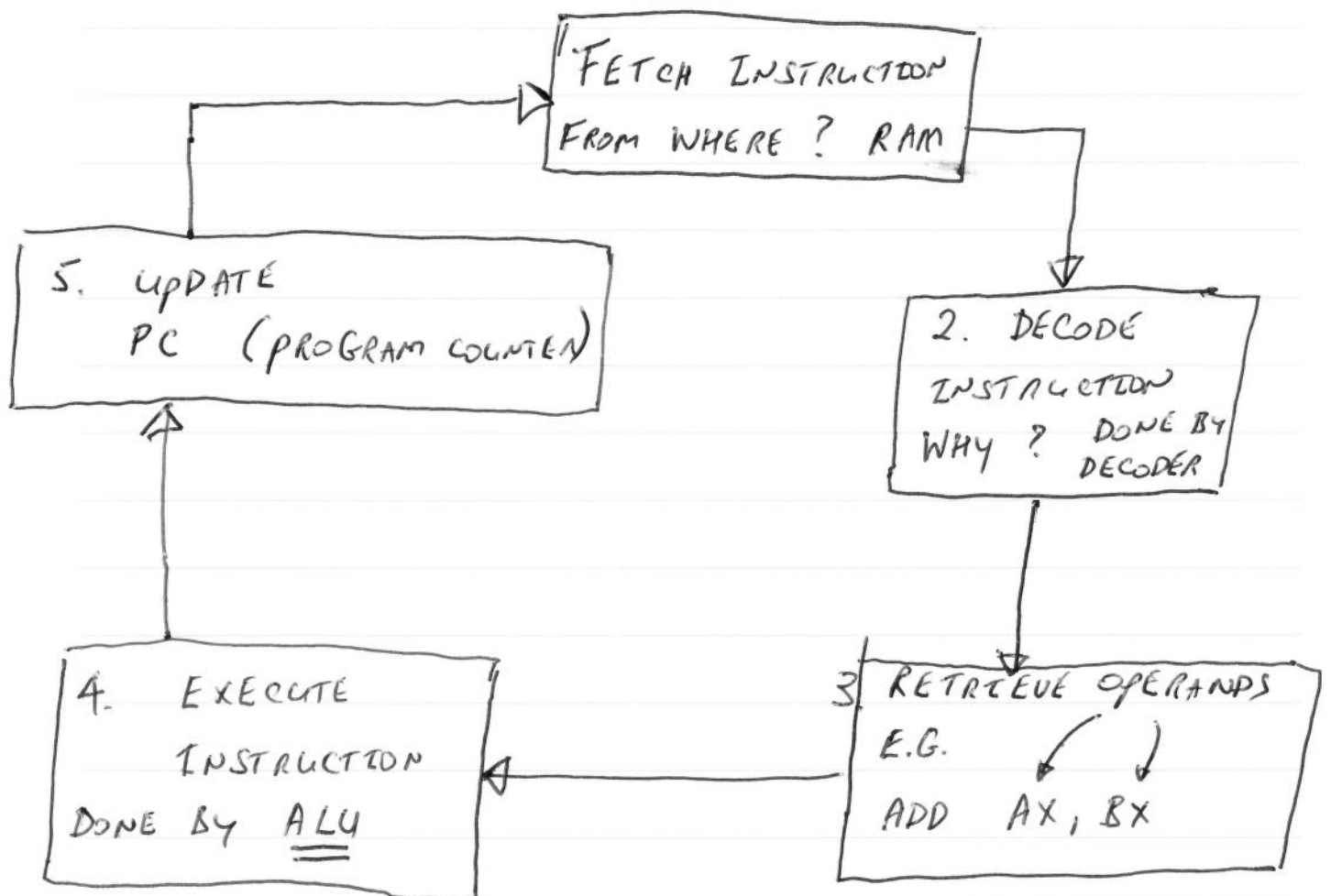
FETCH EXECUTE CYCLE

VIDEO OUTLINING THIS ON YOUTUBE

By JOHN Philip JONES

TITLE FETCH-DECODE-EXECUTE CYCLE

5 PHASES OF FETCH EXECUTE CYCLE -
NEEDED TO EXECUTE AN INSTRUCTION
ON THE CPU



(2)

INCREMENT

AX

REGISTER

WHAT PATTERN OF 1'S AND 0'S

INC AX

EXAMPLE ABOVE INSTRUCTION IN DEBUGGER
AND YOU WILL SEE :

40 inc ax

↑

VALUE IS EXPRESSED IN HEXADECIMAL:

CONVERT TO	BINARY
HEX	<u>BINARY</u>
4 →	0100
0 →	0000

41
↙ ↘
0100 0001

1 BYTE OR 8 BITS.

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DOWNLOAD FKEDIT AND OPEN UP
THE EXECUTABLE FILE - LOOK FOR
HEXADECIMAL VALUE 40h

