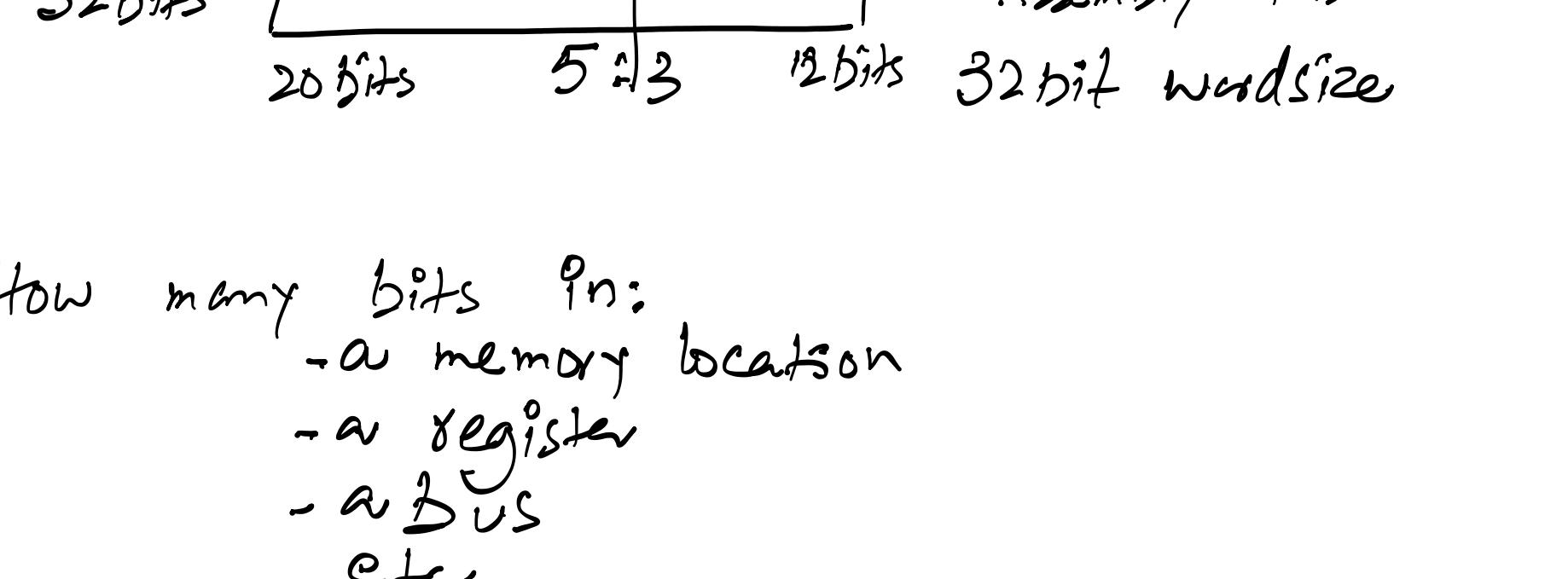


Modes of Addressing

Sunday, 7 November 2021 3:35 PM

All commands that read or write data to and from computer's memory.

Instruction:



Word Size:

How many bits in:

- a memory location
- a register
- a bus etc.

Addressing Commands:

LDD, LD_I, LDM, LD_X, LDY, MO_V, ST_O, LDR.

LDD <add> : DIRECT	Brings the data from mentioned add. to Acc.
LD _I <add> : INDIRECT	Brings the data from the address at the given add.
LDM #n : IMMEDIATE	Loads the n in Acc.
LD _X <add> : INDEXED	Forms the add. by adding <add> & index register content and brings the data to Acc.
LDY #n : RELATIVE	Loads the Acc from the add. relative n positions away from current add.
LDR #n :	Loads either n or data from <add> into index register (IX).
MO _V	Move the content of Acc to IX.
ST _O <add> :	Stores the content of Acc to given add. in computer's memory.

Modes of addressing with respect to Fetch-Decode-Execute Cycle:

Direct:

LD D <address>

Clock Cycles:

