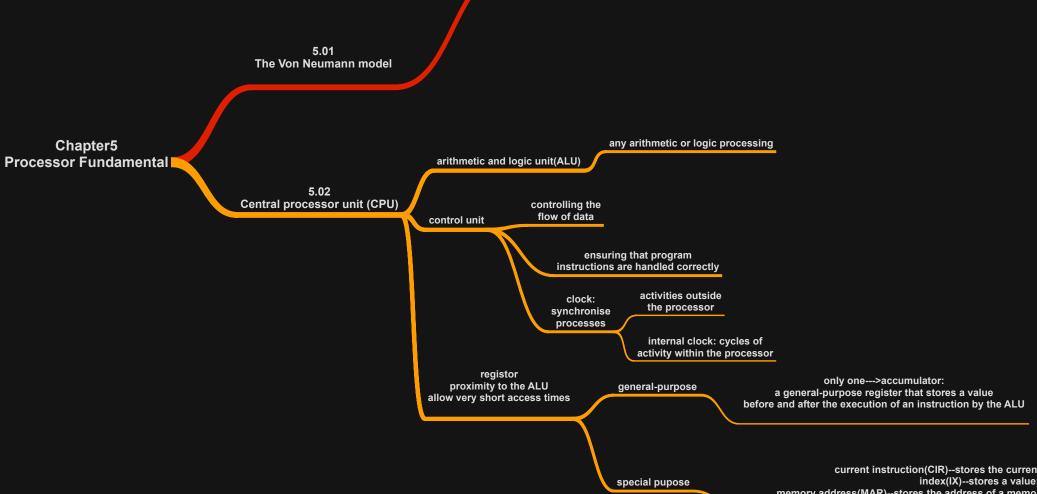
1.a processor, a central processing unit.
2.processor has direct access to a memory.
3.memory contains a 'stored program' and the data required by the program
4.the stored program consists of individual instructions
5. the processor executes instructions sequentially



current instruction(CIR)--stores the current instruction while it is being decoded and executed index(IX)--stores a value; only used for indexed addressing memory address(MAR)--stores the address of a memory location which is about to have a value read from or written to memory data register(MDR)/MBR stores data that has just been read from memory or is just about to be written to memory