instruction o 8 bit - 1 word - Instruction size = 8 bits opicide size should be less than the memmony Address. so the maximum size of opcode opcode memory haddress. should be 4 bit. 4bit 4bib. HOW many instructions can the CPU support? = 256/ 2023/06/28 Tutorial (8) ASCIT Value source 50 Source operand operand. 100/1010 to result operand 101 Memory Address 2 size of the opcode No! of operations could be done. size of the Addressfield (No! instruction address could be there for on instruction/task

Quick Review Question @. - consider a computer that is used for simple numerical problems. It uses 6 bits for an operate. and 19 bits for a memory address. a) what is the size of its instruction? 6 + 12 oprode + Address rode. _18 bits. How many different instructions can it have? 2) What is the maximum memory size that st can address? == AK (Hint: Assume that 21/2 is about AK)