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° Computer Arc	hitecture: ISA + Organization	+ Hardware
° ISA: RISC vs.	CISC	
° All computers	consist of five components	
Processo	r: (1) datapath and (2) control	l
• (3) Memor	у	
• (4) Input c	levices and (5) Output device	S
° Not all "memo	ry" are created equally	
Cache: fas	st (expensive) memory are pl	aced closer to the processo
Main men	nory: less expensive memory	we can have more
° Input and outp	out (I/O) devices has the mes	siest organization
Wide rang	e of speed: graphics vs. keyl	board
Wide rang	e of requirements: speed, st	andard, cost etc.
Least amo	ount of research (so far)	

Reading

• Reading and Preview CA 5: Chapter 1 (or CA 4 - Chapter 1) CO 4: Chapter 1

CS420/520 Intro.39

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