CSCI 260 Notes

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https://github.com/rvente/CSCI-260-Notes



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This section provides diagrams of the binary codes implemented in MIPS. Each diagram is an illustration of what value is stored in memory and how the instructions are stored in memory and they physical layout of their arguments.

R-type instructions

beq: Branch on equal

1	000000	1	rs	1	rt	Ι	offset	1
1	6	1	5	1	5	1	16	1

What is actually stored is the word offset to the next instruction.

j: Jump

000000	I	target	-
l 6	 	26	1

target = concat(PC[31:28], target * 4)

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Note: Don't forget to add 1 in two complement notation.