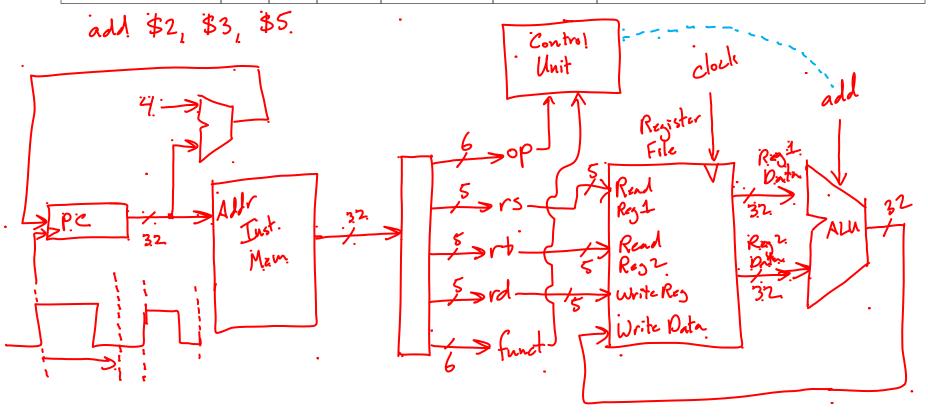
Add Instruction

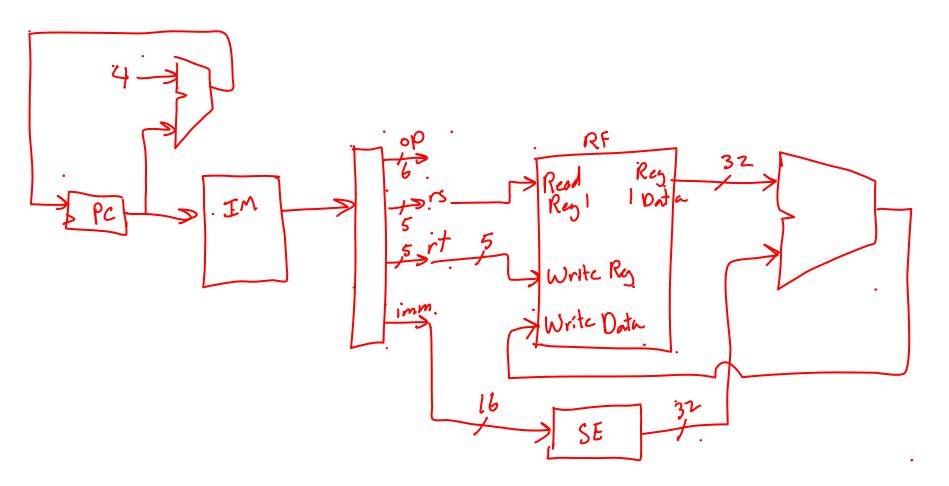
"Add" Instruction

Operation	rs	rt	rd		funct	
add	3	5	2	0	32	# \$2 <- \$3 + \$5

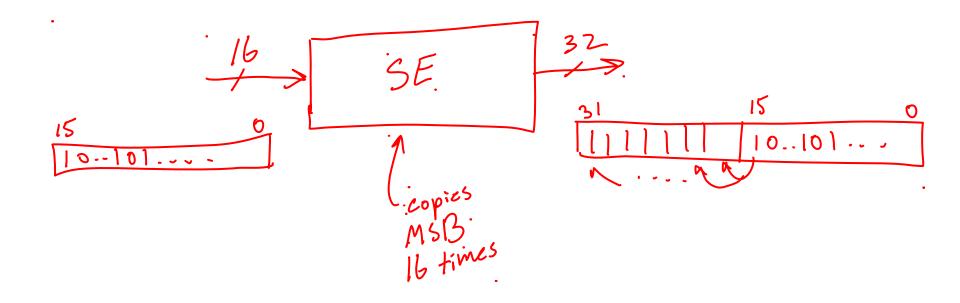


"Addi" Instruction

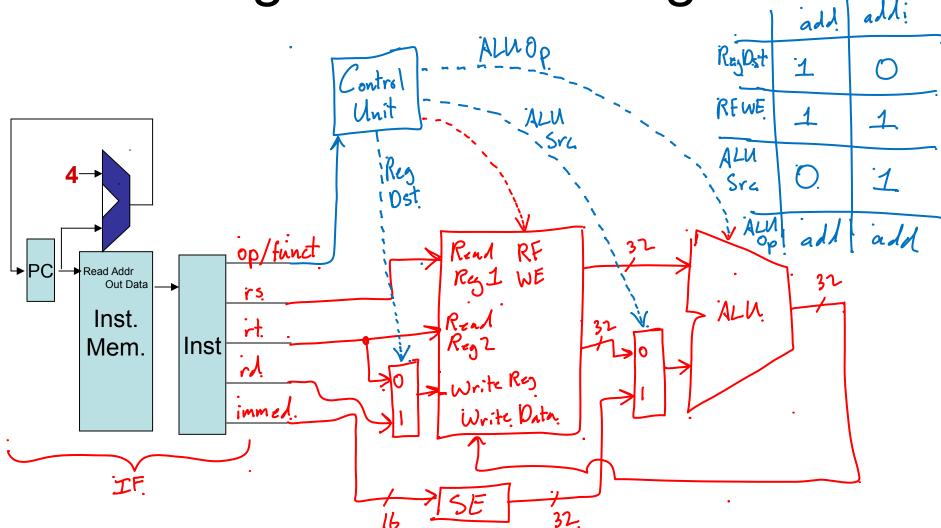
Operation			imm	# meaning
addi \$5,\$3,6	3	5	6	# \$5 <- \$3 + 6



Sign Extension

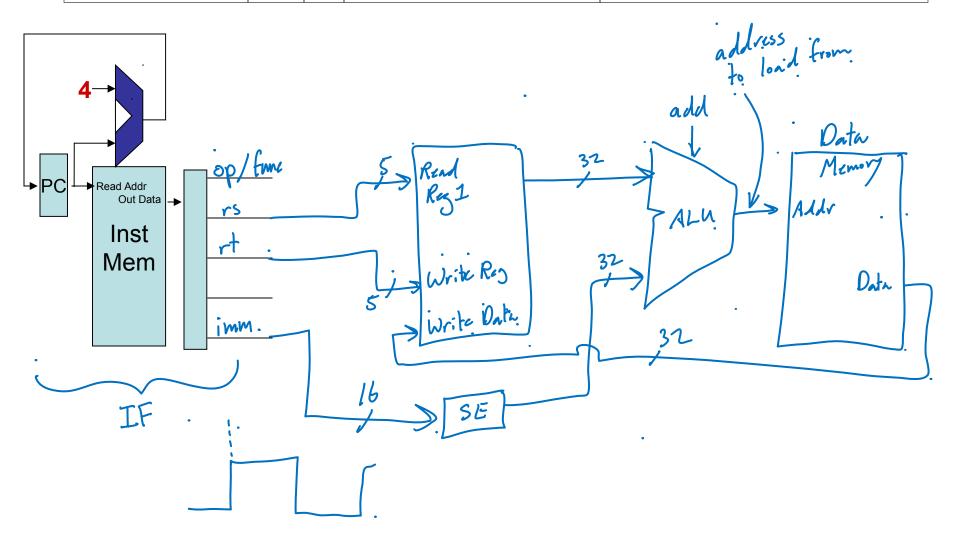


Putting Add & Addi Together



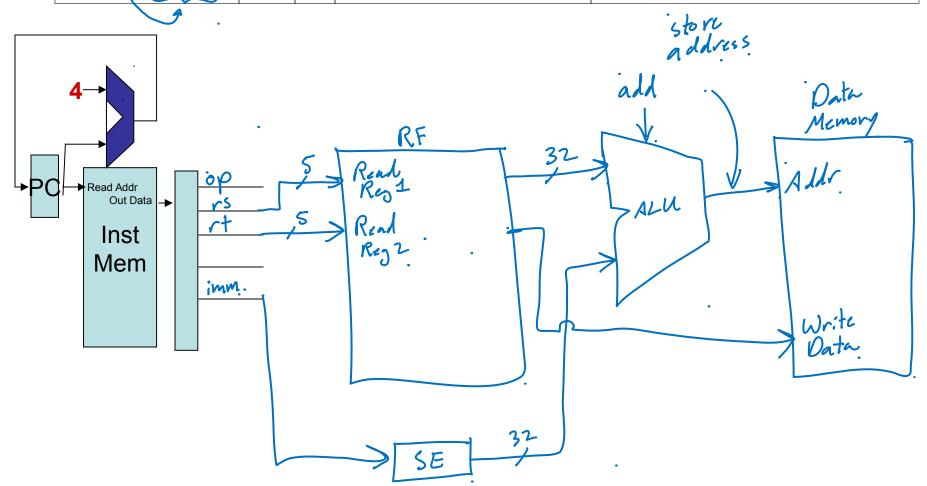
Load Operation

Operation	rs		imm	# meaning
lw \$5,8(\$3)	3	5	8	# \$5 < -M[\$3 + 8]

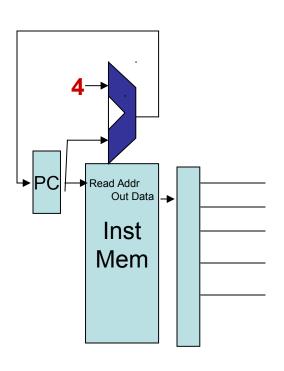


Store Operation

Operation	rs	rt	imm	# meaning,
sw \$5,8(\$3)	3	5	8	# M[\$3 +8] <- \$5



Putting load/store together



-Lab 3 (10/25/14) lab3 file.asm RAM Interactive RF ·mips> C PL mips > d \$a0=0 \$a1=0. mips > 3 <-- stop 1 inst. int mips) 3 5 = step 5 inst. mips> m 100 105. r & found mips> hi & help ig & quit

Machine Speed

- What determines the clock rate of a machine?
- Making something bigger makes it:
 - 1.
 - 2.