

Slide 1





**Register Conventions** • From hardware point of view, all registers are equal (except 0). • From software point of view, it's useful to agree about how to use them - for parameters, return values, etc. Idea is that compilers automatically enforce conventions, human-written assembly code should follow them too. Slide 4 • So far — \$s0 through \$s7 used for variables, \$t0 through \$t9 used as "scratch pads". (See "green card" for numeric equivalents.) • Add two more groups — \$a0 through \$a3 for parameters (punt for now on what to do if more than four), v0 and v1 for return values.





Slide 5





Slide 8



