CS 631-02 RISC-V ASSEMLLY Z

Topics

resisters 32 instructions

labels

register conventions

Function calling Convention

Simple functions

arrays if/else

10005

Memory Arrays 64 32 8 loads: 1d, 1w, 16 stores: sd, sw, sb clouble used 4 butes byte 8 bytes 1 byte to = * ao ` (w to, (ao) address STACH Muinc) E tht arrest ad/3016-5: lw to, (90)

Stores

SU to, (00) # *00= to

(ontro)

Branches and Jumps

L

Conditional unconditional

ble ad, zero, else targetaldæss

branch on 1000 than or eaval

Simple Function

L163

i) arguments passed in adjaljaz,

2) return value put into do

3) only use a regs and t regs

Ponil use 5 regs.

Mv ao, to # ao = to

SW to, (aa) # \$ ao = to

Merom

