CS 631-01 RISC-V Assembly Project Ol Observations ssh tabs/spaces ntlang.h # define SCAN_TOKEN_LEN 32 Redundancy Scanning parsing - parse-expression () map TK -> OP
enun Enun 1 = 1 se = opecand C) TK_INTLIT , TK_BINLIT , TK_HEXLIT OVERFION

1) use vintby-t

2) UM+32-+

Value_1 = velue value = (value * base) + 1mp

if (value < value_1) &

over flow

() vin132_4

if ((value > (VINT_MAS - tmp) /base) &

OUELFLOW

Value, = (Value * base) + tos UNT.] - MRF yaluc, - + mp - = Value 6956

Check neg? Uin132-+ +mp; int) 2-+ +m12 tmp 2 = (: 132 - +) tmo; if (tmp2 Lo) { +mp = (vin+32-+) (-+-pz) ASR (V2) >> V2

tmo2 = (int32_+) +-0

(vint) 2 (+mp2 >> UZ)

RISC-V Assembly -7 32 ras 64 bits each operands Vocabulary instruction resisters 00=01+02 00,01,02 add 7 Mnemonic 15x-, (1x,0x Source dest aojal operands 129 to, fl 50550 programming mode M+20-Processol STACH Careter Conter Tirt X DATA al Exec Inst C-DE instruct gov

Instruction Types

Data Processing

Control

jones branchs

Memory 1d/sd w/cw

Assem (7

directives functions

labels control

instructions

real instruction