C5631-02 RISC-V Assembly Projectol Observettias ssh bengle tabs/spaces

ntlang. h # define SCAN-TOKEY-LEN 35

Redundancy grouning ->

> PAISING - PACS - EXPLOSSION TK -> Of

parse-operand () TK_INILIT, TK_BINLIT, TK_HEXLIT OverHow 1) Use vint64-t 2) vint 32-t Value - 1 = Velue value = (velue * berc) + ton E if (value < value-1) & OF (VALUE]> (INTMAX >> 1)) S OF (value) > (INTMAX /base))} 0 =

it (ualuc_1 > (INTMAX - dis) / base)) & Value = (Value * beiz) + dis (Val * base) + dis > MAX-dig UN > (MAX-d-4)/banc Chech neg? vint32-4 Value int32-+ 1 mp tmp = (int32-t) velue) // it (tup <0) 2 Value = (vint32-t) (- tmp);

$$I = ((1n+32+1) 01)$$

RISC-V 32 register Assembly 64 bits vide Vocabulary operand)
registers instruction 00= altaz add aojaljaz X0, X1, ...) X31 dost ABI Source obecom operands 00 , 91 y... +0, €\j... immediate operands ٠٠٠ راء ره، SP addi as, al, 7 ra programming model Processol bloggin DATA

Instruction Tyle

Data Processing
add, sub, mul, div

Control

jumps/branches

Menory 1d/sd 69 1d/su 22

16 56 8

Assemby

directives

labels

Instructions

rent inst pseudo inst