CS 315-02 RISC-V Monory and Functions Laboz - Colutions Lab 02 - Exam problems Project 02 - posted due Mon So, 18th 11:59 pm Project 62 - exam probs due Wed So, 20th 11:57m Labor solutions Sum-array farr (o) urr + 0 Aare Ci] arr + 4 acr [2] ac1 + B A acr (27 arr Li) Colors ald (Darcici) = arc + (i*4) IW t3, [nddr) (

Functions in RISC-V Ja0,01,02,... Urgs is roturn velue caller Collee PC >>7 add a0,00,01 PC -> call bar PC+4 ra = pc+4 PC =? return address (ca)

Call forc 19 = PC+4 PC = addr of func Memora add: sp, sp, -8 HEAP

load word Store word \w /5~ 12/59 land vouble | Store double double = 8 bytes \ u to , (a0) f= & ao; long long X'

long long x'

X = 300 1d to, (no) X = *P' Su to, (00) 5 / t.) (no)

Calling convention

Caller-Saucd Mass

00-07 to-t6

caller-saucd ress

foo: ald: SPJSP, 32
5d [r, (SP)

sd so, B(sp)
sd 81, 16(sp)

5d 52, 24 (5p)