

s egga - hessitadû 11 done, return to old fo W \$fp, - 80 (\$ fp) add \$8P, \$8P, 4 1 1 \$ ra 4 (\$ 8p)

1 reload 5 reas (\$ 8p)

1 W \$ 50, 48 (\$ 8p) add \$8p, \$8p, 80 add \$ 88, \$ 88, 4 1/9 pack to caller 4

Example machine code ivat fact (int n) } int m; m = n x fact (n-1); return m; => Symbol table

glob int
fact (fn, 1, int) fact 78 n int } 8 bytes n=0 (different m=0 (meaning que params their own offset: - local vars FNENTRY fact (placeholderbeteve inserting actual implementation) LABEL fact LW to, n LW to, m LI +2,1 SUB to, to, to PARAM +3 (MUL to, ty ) ok to load n again for now)

LW to, n

MUL to, ty, ts

Sourced

CMUL to, ty, to load n again for now)

codes

generation

MUL to, m, LWty, m | RETURN to

Start 184 } und + first; struct iv { int id) ( ir \* next; Reason element is next to iself when updating child, paront points to could so is updated tow, then is updated or 2nd ture 12++; + 0=0+1; TA OFFICE WOUR 4/23 1 1/4 6 37 unt F (int c) } cor o [5]; 0[3]=2; Assembly IP: 1+2, 2. 10 to, a + add \$to, 15, \$fp 11 4,3