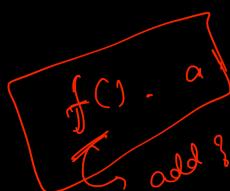


if fun call returns on stack

→ it can be immediately

wed only by

→ $f().a \rightarrow$



[eax → numerator]

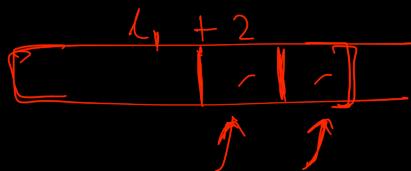
[r → deno.]

~~eax~~ edx



$$\text{div lc} = \text{divmod}(l_1, l_2) + \frac{1}{l_2}$$

~~l1~~ + 2



eax

edx

$$f_1 = R.\text{pop} \quad \text{eax} \rightarrow r_1$$

$$r_2 = R.\text{pop} \quad \text{edx} \rightarrow f_2$$

IR. Stack edx, eax

$l_1, l_2 \leq n$

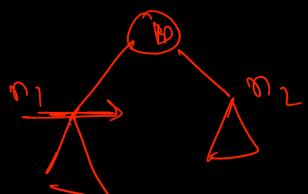
E. Code



IR. pop



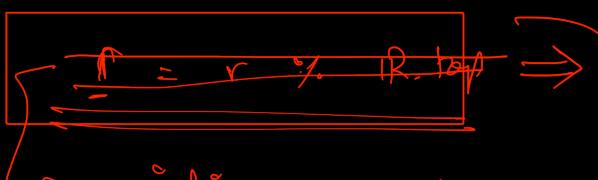
\mathcal{E}_1 op \mathcal{E}_2



gen code (r_1)

$r = R.\text{pop}$

gen code (r_2)



idivl. edx

push IR.

int a [8] [10]

"int [8] [10]"

int [10]

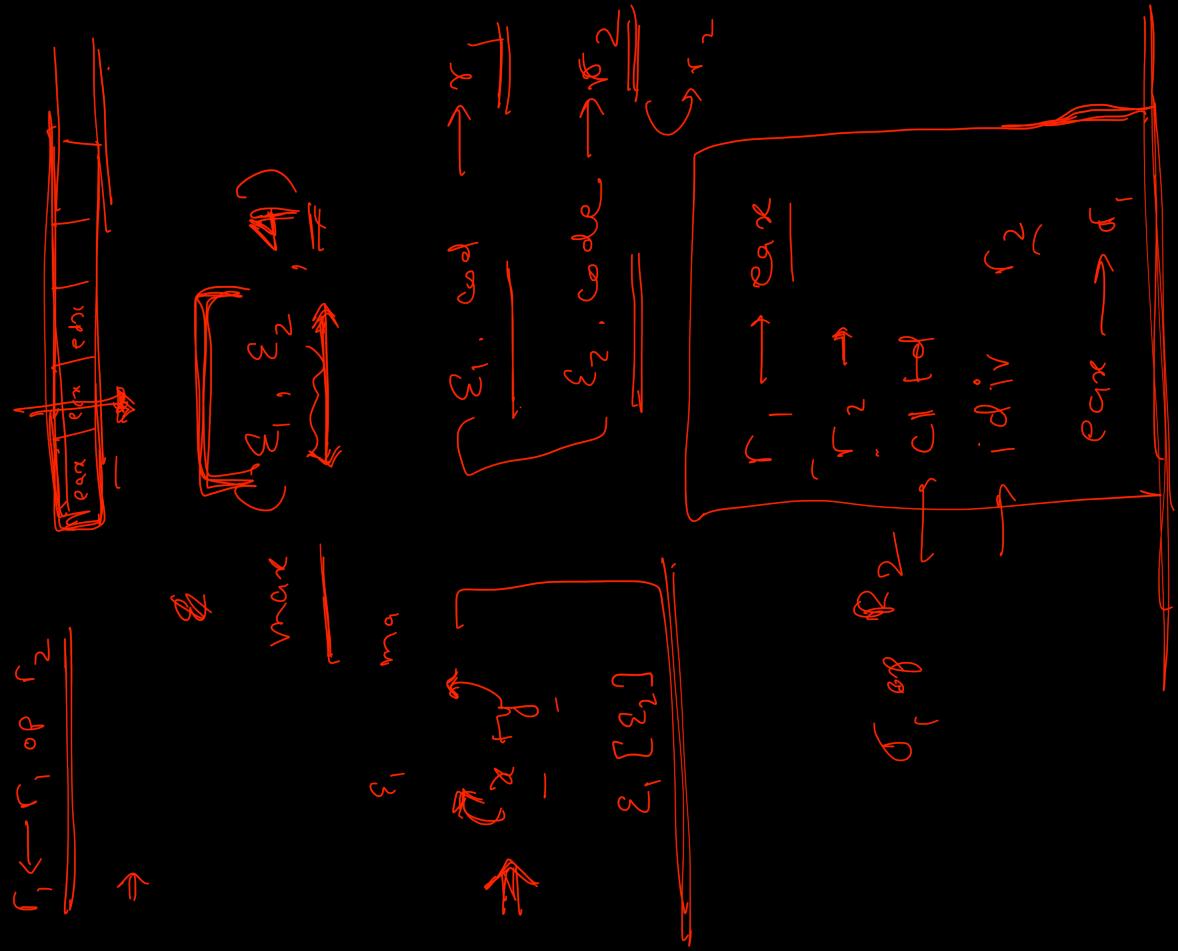


$x = x \text{ xor } y$
 $y = y \text{ xor } x$
 $x = x \text{ xor } y$



swap ($r \leftarrow \text{eax}$)
swap ($R.\text{top} \leftarrow \text{edx}$)





Arrow -

$\Sigma_1 \xrightarrow{\text{id}}$

gen (val)

$\Sigma_1 (\text{add})$

$\text{mouf. id } C(R.\text{top}) \quad R.\text{top}$

off

gen (add)

Σ_1

$\text{heal id } C(R.\text{top}) \quad R.\text{top}$

off

