Laborator 2

· Operation ariet marice si logice

add op, op? = op?=op?+op!

Nell op, op? = op?=op?-op!

mul op =
$$(edx, eax) = ex \cdot op$$

imul op = $(edx, eox) = eax \cdot op$

div op = $(edx, eox) = (edx, eox)/op$

idiv op = $(edx, eox) = (edx, eox)/op$

1x: x.long 4 y.long 6 $2 \cdot long 2^{31}$ may x, $2 \cdot long 2^{31}$ mull $y \rightarrow long 2^{31}$ edx=24 $1 \cdot long 2^{31}$ mull $y \rightarrow long 2^{31}$ edx=0 $1 \cdot long 2^{31}$ mull $y \rightarrow long 2^{31}$ edx=0

mull $z \rightarrow \begin{cases} eqx = c \\ eqx = c \end{cases}$

ex: div op

L=1.C+R

(edx,ex) | beax bedx

bop

132. odx + eax

12/4 \rightarrow mov \$12, x.eax mov \$4, x.eax div x.eax eax = 1 edx = 5

· Operation Cogico

Xor ob/
$$cb_5 = cbs = cbs + cbi$$

or $cb_1 + cbs = cbs = cbs + cbi$
 $cang cb_1 + cbs = cbs + cbs + cbi$

· Operatio de shift / deplassere logica she number, op = op=op>>nve. she mor, op = op - op << mor sor mi, op = op2 = op>>mi sal m, op = op = op = op = ou parteau seun m/le = loge / sight a/h = ep. pe biji nou anidmedice · Salt mecanditional: jomp. et jup et ex: main: dimp of 2

mou \$4,7.eex etz: · Salluei conditionate (ver pdf asc. - lale.) Obs: It a utiliza unul din op accia ble utilizata macule inst. comp 1/eax, Lebx doca to elox 27-ear -> salt la et. alfil en. erec en imsk. wom. de dupa ib. to good · eex = eex - 1 · ig(eax 1=0) goto et else 11 cmt = exec;

4+3+2+1 -> carul 2

0+1+2+3+4 -> corell