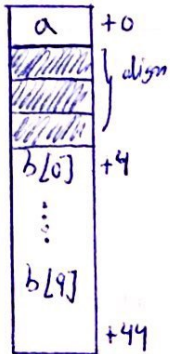


PROBLEMS AC :

2.9) $s \rightarrow \%ebx, i \rightarrow \%esi, j \rightarrow \%edi, x \rightarrow \%edx$

a) elem :

b) access vector: @initial V + i-term



$$s(t).b(t) = 0.5 + 44i + 4 + j \cdot 4$$

c) $x = 5 [s(i) \cdot b(i)] \cdot a$

ionull \$44, -/-esi, -/-eox // eox \rightarrow 44i

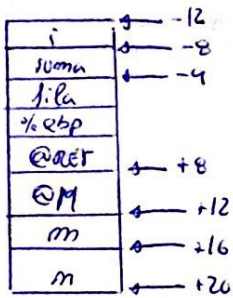
add %ebx, %eax // $eax \rightarrow eax + ebx$

isnull \$44, y(1:200, 1:200, 4), 1:200 // eq <→ 44 * @ (eq <+; 4) + 4]

movb (ebx, %eax), %al // $x \rightarrow @[eax+ebx]$

2.10) a) blog activation

b) traducción:



calculus: pushl %ebp

mark 1-cop, 1-ebg

subl §12, 7-esp

pushl %ebx

movl \$0, -8(%ebp)

mul \$0, -9(7.130)

monul 12 (1.4hp), rebx

*
add \$8, %esp.

add 1 cur, -8 (1 chg)

incl febx

jump for

for: $\text{cmpl } 16(\text{y.ebp}), \text{y.ebx} \quad \# \text{ icm}$

jse li-fur

level $-4(1/2bp)$, 1/2 level

pushd & exit

```
movl -4(%ebp), %edx
```

immell \$10, 7. edk

```
addl %ebx, %edx
```

amur 8 (1/4), 1/2 ex

$$\text{must } (\cdot \text{red}, \cdot \text{red}, 4), \cdot \text{red} //$$

push 2 1/2 dx

all Normalized

Hint: $\text{movl } \%0(\%ebp), \%eax \quad // @sum$

```

    mul y, eax    // sum a + 1

```

puhl 1/2b2

```
movl %ebp, %esp
```

Oppl 1/2bp

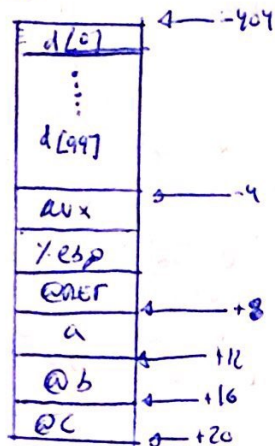
ref.

alibero
// ~~temo~~ pil
estat logical

✱

2.14)

a) Diagrama de activación:



b) Traducción examen (0, d, &aux):

```
leal -4(%ebp), %eax // eax ← aux
leal -404(%ebp), %ecx // ecx ← d[0]
pushl %eax           // preparar para la orden
pushl %ecx
pushl $0
call examen
```

c) Traducción:

```
movl $0, %ecx // aux = 0
for: cmpl $100, %ecx // aux < 100
jge fi-for // si aux ≥ 100
leal -404(%ebp), %eax // eax ← d[0]
movl (%eax, %ecx, 4), %ecx // ecx ← d[aux]
movl 12(%ebp), %edx // edx ← a
movl %eax, (%edx, %ecx, 4) // b[aux] = d[aux]
incl %ecx // ++aux
jmp for
```

fi-for:

d) Traducción - examen (a, b, c):

```
push 16(%ebp)
push 12(%ebp)
push 8(%ebp)
call examen
```