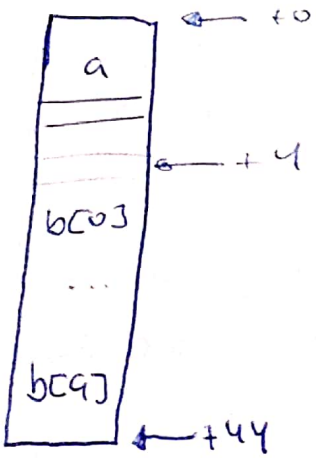
Problema 2.9

a)




b) @s[i].b[j] = @s + i * 44 + 4 + j * 4

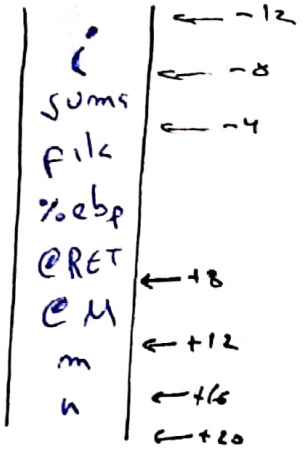
c) imul $44, %esi

imull $44, 4(%esi, %edi, 4), %eax

movb (%eax), %dl

Problema 2.10

a)



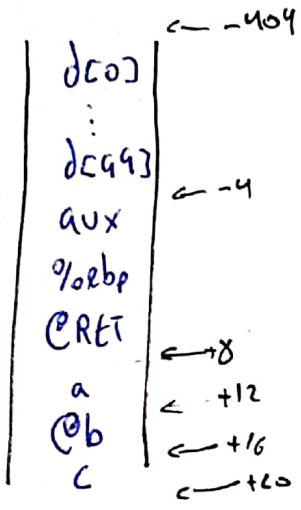

b)

```
calcula: pushl %ebp
         movl %esp, %ebp
         subl $12, %esp
         pushl %ebx
         movl $0, -4(%ebp) #fila=0
         movl $0, -8(%ebp) #suma=0
         movl 12(%ebp), %ebx #%ebx=m
fori:    cmpl 16(%ebp), %ebx #i<n
         jge endfori
         leal -4(%ebp), %eax # &fila
         pushl %eax
         movl -4(%ebp), %eax # %eax=fila
         imull $10, %eax # fila.10
         addl %ebx, %eax # fila.10 + i
         movl 8(%ebp), %edx #%edx=@M
         movl (%edx, %eax, 4), %eax #
         pushl %eax
         call Normaliza
         addl $8, %esp
         addl %eax, -8(%ebp) #suma += NOR
         incl %ebx #i++
         jmp fori
endfori: -8(%ebp), %eax
         incl %eax
         popl %ebx
         movl %ebp, %esp
         popl %ebp
         ret
```

M[fila][i] = %eax = (fila.10+i)4 + @M ⟶

Problema 7.14

a)




b)
```
examen(0, d, &aux)
leal -4(%ebp), %ecx
pushl %eax
leal -404(%ebp), %ecx
pushl %eax
pushl $0
call examen
```

c)
```
movl $0, %ecx
for: cmpl $100, %ecx
jge fifor

leal -404(%ebp), %eax
movl (%eax, %ecx, 4), %eax
movl 12(%ebp), %edx
movl %eax, (%edx, %ecx, 4)
incl %ecx
jmp for

fifor:
```

d)
```
pushl 16(%ebp)
pushl 12(%ebp)
pushl 8(%ebp)
call examen
```