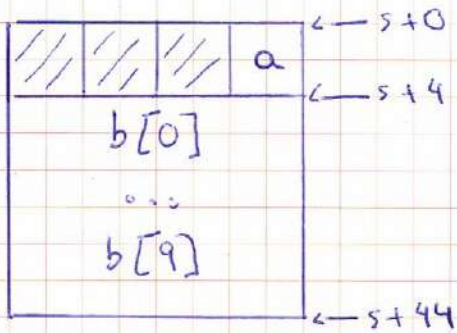
PROBLEMA 2.9

a)

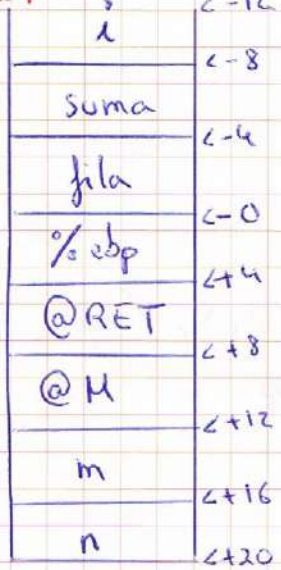


b) @s[i].b[j] = @s + 44i + 4 + 4j

c)
```
imul $44, %esi, %eax
addl %ebx, %eax
imul $44, 4(%eax,%edi,4), %eax
movb (%ebx,%eax), %dl
```

PROBLEMA 2.10

a)

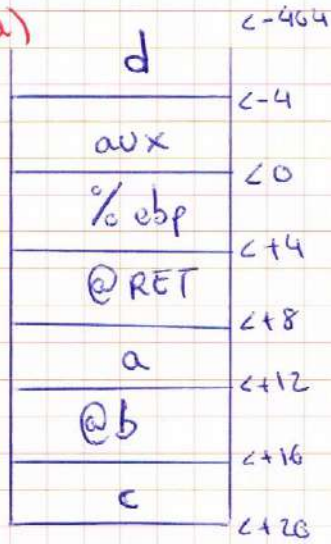


b) calcula:
```
pushl %ebp
movl %esp, %ebp
subl $12, %esp
pushl %ebx
movl $0, -8(%ebp)      # suma = 0
movl $0, -4(%ebp)      # fila = 0
movl 12(%ebp), %ebx    # i = m
for: cmpl 16(%ebp), %ebx
jge return
leal -4(%ebp), %ecx
pushl %ecx
movl 8(%ebp), %eax     # @M
imul $40, -4(%ebp), %ecx   # 40 · fila
addl %ecx, %eax
movl (%eax, %ebx, 4), %eax
pushl %eax
call Normaliza
addl $8, %esp
```

```
... addl %eax, -8(%ebp)
    incl %ebx
    jmp for
return: movl -8(%ebp), %eax
    incl %eax
    popl %ebx
    movl %ebp, %esp
    popl %ebp
    ret
```

PROBLEMA 14

a)



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

c)
```
    movl $0, ~~aux(%ebp)~~ %ecx
for: cmpl $100, ~~aux(%ebp)~~ %ecx
    jge fi-for
    leal -404(%ebp), %eax
    movl (%eax, %ecx, 4), %eax
    movl 12(%ebp), %edx
    movl %eax, (%edx, %ecx, 4)
    incl %ecx
    jmp for
fi-for:
```

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