

# MAC283 practice for the final exam.

For the program below.

1. Write a line by line explanation.
2. What will be displayed?
3. Explain the algorithm of the program.

Please try to solve it. I will provide the solution thereafter.

```
.model small
.386
.stack 100h
.code
main proc
mov bl, 1
mov bh, 19h
dff:
call label1
call k
dec bl
jns dff
mov ax, 4c00h
int 21h
Label1 proc
mov ah, 1
int 21h
shl al, 1
ret
Label1 endp
k proc
mov dl, al
sub al, 36h
jnz short p
add dl, 20h
call d
ret
p:
mov ax, 4c00h
int 21h
k endp
d proc
add dl, bh
mov ah, 6
int 21h
sub bh, 4
ret
d endp
main endp
end main
```