```
1)
```

text segment

assume cs:text, ds:text

org 100h

start: jmp go

msg db "Sveikss!", 13, 10,"\$"

go: mov ah, 9h

mov dx, offset msg

int 21h

int 20h

text ends

end start

```
code
       segment
       assume cs:code, ds:code
       org 100h
start: jmp go
string db '01234567891*ABC',0
buf
       db '000000&'
       mov si,0
go:
       mov ah,'*'
check: cmp string[si],0
       je notfound
       cmp ah,string[si]
       je found
       inc si
       jmp check
found:
       ;inc ax
       mov ax,si
       mov si,5
       mov bl,10
d:
       div bl
       add ah, 30h
       mov buf[si], ah
       cmp al,0
```

```
je put
       mov ah,0
       dec si
      jmp d
put:
       mov ah,9
       mov dx, offset buf
       int 21h
      jmp done
notfound:
       mov dl,'?'
       mov ah,6
       int 21h
done:
       int 20h
code ends
       end start
```

```
text
       segment
       assume cs:text,ds:text
       org 100h
start: jmp go
inbuf equ this byte
maxlen db 20
actlen db 0
intext db 20 dup(0)
chr db?
msg1 db 'levadiet simbolu:$'
msg2 db 'levadiet virkni:$'
newline db 13,10,'$'
outbuf db '000000$'
go:
       mov ah,9
       mov dx,offset msg1
       int 21h
       mov ah,1
       int 21h
       mov chr, al
       mov ah,9
```

```
mov dx, offset newline
       int 21h
       mov ah,9
       mov dx, offset msg2
       int 21h
       mov ah, Oah
       mov dx, offset inbuf
       int 21h
       mov ah,9
       mov dx, offset newline
       int 21h
       push ax
       mov al, [inbuf +1]
       mov actlen, al
       рор ах
;===========
       cmp actlen, 0
      je notext
       xor ax,ax
       xor cx,cx
       mov cl,actlen
       xor si,si
       mov dl,chr
```

```
cmp inbuf[si+2],dl
c:
       jne next
       inc ax
       inc si
next:
       loop c
output:
       mov si,5
       mov bl,10
d:
       div bl
       add ah,30h
       mov outbuf[si],ah
       cmp al,0
       je put
       mov ah,0
       dec si
       jmp d
notext:
put:
       mov ah,9
       mov dx, offset outbuf
       int 21h
       int 20h
text
       ends
       end start
```

text segment

assume cs:text, ds:text

org 100h

start: jmp go

go: ;mov dx,40h

mov es, dx

mov di, 40h

mov ax, es:[di+2]

int 20h

text ends

end start