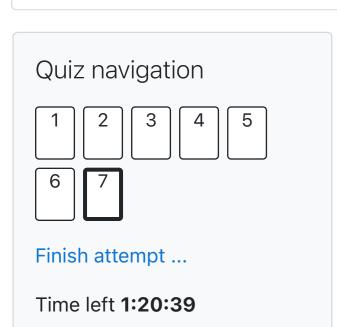
Arhitectura Sistemelor de Calcul

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Question **7** Not yet answered Marked out of 0.80 Flag question

```
Dacă continutul lui data segment este/ The data segment is:
a db "246",0
len equ ($-a)*2
format db "%c",0
care din modalitatile de afisare pe ecran de mai jos afiseaza 246?/
which of the following instruction sets will print to the console the value 246?
   mov ecx, len
    mov esi, a
    mov ebx, (len-1)
    shl ebx, 2
    add esi, ebx
    std
     .repeta:
        xor eax, eax
        lodsd
        push eax
        push ecx
        push eax
        push dword format
        call [printf]
        pop ebx
        pop dx
        shl edx, 16
        pop dx
        pop ecx
        pop eax
    loop .repeta
    mov ecx, len/2
    mov esi, a
    add esi, len/2
    std
    rep lodsb
    mov ecx, len-1
    shr ecx, 1
    cld
    .repeta:
        xor eax, eax
        lodsb
        push eax
        push ecx
        mov ebx, esp
        push eax
        push dword format
        call [printf]
        mov esp, ebx
        pop ecx
        pop eax
    loop .repeta
mov ecx, len
    shl ecx, 1
    mov edi, a
    mov esi, edi
    std
    .repeta:
        xor eax, eax
        mov ax, [esi]
        add esi, 2
        pushad
        push eax
        push dword format
        call [printf]
        add esp, 4*2
        popad
    loop .repeta

    □ mov ecx, (len-1)/2

    mov esi, format
    cld
    rep lodsb
    mov ecx, len
    .repeta:
        xor eax, eax
        lodsw
        push eax
        push ecx
        push eax
        push dword format
        call [printf]
        pop ecx
        pop ecx
        pop eax
    loop .repeta
Nici una din variante/
   None of them
mov ecx, len-1
    mov esi, format
    std
    rep lodsw
    mov ecx, len
    .repeta:
        xor eax, eax
        lodsw
        sub eax, '0'
        pushad
        push eax
        push dword format
        call [printf]
        pop ebx
        pop edx
        pop ecx
    loop .repeta
mov ecx, len
   shr ecx, 1
   sub esi, format
   sub esi, len
   .repeta:
       xor eax, eax
       mov al, [esi]
        add esi, 1
       push ecx
       push eax
       push dword format
       call [printf]
       pop edx
       pop edx
       pop ecx
   loop .repeta
mov ecx, len
    mov esi, format
    mov eax, 3
    sub esi, eax
    cld
      .repeta:
         xor eax, eax
         lodsb
         push ecx
         push eax
         push dword format
         call [printf]
        pop ebx
         pop edx
        pop ecx
    loop .repeta
mov ecx, (len-1)*2
    mov esi, format-4
    shr ecx, 2
    cld
    .repeta:
        xor eax, eax
        lodsb
        push ecx
        push eax
        push eax
        push dword format
        mov ebx, esp
        add ebx, 8
        call [printf]
        mov esp, ebx
        pop eax
        pop ecx
    loop .repeta
```

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Finish attempt ...

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