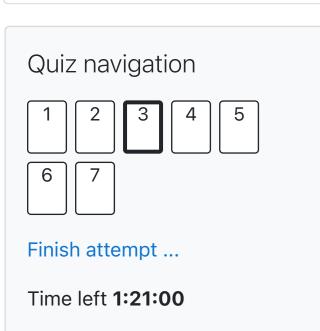
Arhitectura Sistemelor de Calcul

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Question 3 Not yet answered Marked out of 0.80 Flag question

Se da un sir de dublucuvinte s de lungime len_s.

Selectati care dintre urmatoarele secvente de cod creeaza 2 siruri de cuvinte a si b astfel incat a sa contina doar cuvantul superior al dublucuvintelor din sirul initial iar b sa contina cuvantul inferioar al dublucuvintelor din sirul initial:

A string of doublewords s of length len_s is given.

Select which of the following code sequences create 2 strings of words a and b such that a contains only the higher word of the doublewords from initial string and b contains only the lower word of the doublewords from the initial string:

```
mov ecx, len_s
mov esi,s
mov edi, 0
repeta:
  mov ax, [esi]
  mov [b+edi], ax
  mov dx, [esi]
  mov [a+edi], dx
  add esi, 4
  add edi, 2
loop repeta
```

mov ecx, len_s mov esi, s mov edi, 0 repeta: lodsw mov [a+edi], ax lodsw mov [b+edi], ax add edi, 2 loop repeta

mov ecx, len s mov esi,s mov edi, 0 repeta: mov ax, [esi] mov [b+edi], ax mov edx, [esi+2] mov[a+edi], dx add edi, 2 add esi, 4 loop repeta

mov ecx, len_s mov esi, s mov edi, 0 repeta: lodsw mov [b+edi], ax lodsw mov [a+edi], ax add edi, 2 loop repeta

mov ecx, len s mov esi, s mov edi, 0 repeta: mov ax, [esi] mov [b+edi], ax lodsw mov[a+edi], ax add esi, 2 add edi, 2 loop repeta

mov ecx, len s mov esi,s mov edi, 0 repeta: lodsd mov [b+edi], ax sub esi, 4 lodsd shr ax, 8 mov[a+edi], ax add edi, 2 loop repeta

☐ Nicio varianta nu e corecta / None of the options is correct

```
mov ecx, len_s
mov esi, s
mov edi, 0
repeta:
  lodsd
  push eax
  pop ax
  pop dx
  mov [b+edi], ax
  mov [a+edi], dx
  add edi, 2
loop repeta
```

mov ecx, len_s mov esi, s mov edi, 0 repeta: lodsd mov [b+edi], ax sub esi, 4 lodsd shr eax, 16 mov [a+edi], ax add edi, 2 loop repeta

mov ecx, len_s mov esi, s mov edi, 0 repeta: lodsw mov [b+edi], ax mov ax, [esi] mov [a+edi], ax add edi, 2 add esi, 2 loop repeta

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