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;
;Ucitava se niz N. Formirati niz M od parnih elemenata niza N.
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```
%include "asm_io.inc"
segment .data
```

```
poruka1 db "Unesite broj N: ",0
poruka2 db "Unesite clan niza ",0
poruka3 db "Novodobijeni niz M: ",0
const dd 2
```

```
segment .bss
```

```
nizN resd 100
nizM resd 100
N resd 1
```

```
segment .text
```

```
    global  _asm_main
_asm_main:
    enter    0,0                ; setup routine
    pusha

    mov eax, poruka1
    call print_string
    call read_int
    mov [N], eax ; ukupan broj clanova
    mov ecx, 0 ; brojac trenutnih clanova niza
    mov esi, 0

formiranje_niza:
    cmp ecx, [N]
    je kraj_formiranja
    mov eax, poruka2
    call print_string
    call read_int
    mov [nizN+esi], eax
    inc ecx
    add esi, 4
    jmp formiranje_niza

kraj_formiranja:
    mov ecx, 0
    mov ebx, 0
    mov esi, 0
    mov edi, 0

formiranje_nizaM:
    cmp ecx, [N]
    je stampanje_niza
    mov eax, [nizN+esi]
```

```

        mov edx, 0
        div dword [const]
        cmp edx, 0
        je unesi_element
nastavak:
        add esi, 4
        inc ecx
        jmp formiranje_nizaM

```

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unesi_element:
        mov eax, [nizN+esi]
        mov [nizM+edi], eax
        add edi, 4
        inc ebx
        jmp nastavak

```

```

stampanje_niza:
        mov edi, 0
        mov ecx, 0
        mov eax, poruka3
        call print_string
        call print_nl
while_petlja:
        cmp ecx, ebx
        je krajzadatka
        mov eax, [nizM+edi]
        call print_int
        call print_nl
        inc ecx
        add edi, 4
        jmp while_petlja

```

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krajzadatka:

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        popa
        mov     eax, 0                ; return back to C
        leave
        ret

```