SEOMENCE TASK 1 FIBIONACCÍ 1,1,2,3,5,8,13 mov eax, 1 mov ebx, 1 mov ear, ear MOV

TASK 5 . 23K-0842 Reverse an Array DWORD 0' 4 8 12 16 20 24 28 1, 2,3,4,5,6,7,8 1 esi 🎤 movede, offset our add edi, arrsize, - elementsize ansize = Siztor an = length of * type = 32 elementsize = TYPE ar DWDED - 4 bytes 32-4= 28 ede points to the last element reverseloop: comp esi, edi 1, 2, 3, 4, 5, 6, 7, 8 ige done of esi is greater than or equal to edi it means that exi and edi have crossed each other So it will jump to done tabel. mov eax, [exi] code for mor ett, [edi] suapp mov [esi], ebx mor [edi], eax

add en, elementrise sub edi, elementeize jmp reversaloop. [unconditional] loop will only exit of esi > = edi done s mov est, offset am mov ecr, arrount problemp : mov ear [esi] call Write Dec call Crif add esi, elementize loop printloop exit main ENDP END main Initially esi - address of first clement of arr edi-address of last 7 mov ear, [evi] mov ebx [edî] esî mov (en), ebx eax=1 (08) = ebx+ >[edi]=1 mov [edi], eax add eri, elementsize sub edi, elementrize Break condition cmp esi, edi ige done done.

23K-0842 TASK 6 To increase efficiency 2,4,6,5 WORD arr 2,4,5,6 only one swap needed. time mai hi sortuig hogaegi. Ek dafa chalaya loop aun agan koi change nhi aya toe iska matters sorting already hochile has Toe we need to change the conditions WORD 6,2,4,5 no. O; une this as a flog swap outerbop mov bx, 0 mor [swap], 0 BYTE [swap] ,0 innerbop: mov ax, [arr + bx] cmp ax, [an+bx+2] ibe nosway ; swap dx, [arr + bx +.2] mov [arr + bx +2], ax mor [arr+bx], dx nor Byce [Ewap], 1

nosupp: mov add bx, 2 comp bx, 6 ine innerloop compare k swap hua hai k nhi. BYTE [swap], 1 owerloop

TASK 2:- PATTERN PRINTING numbries DWORD ecx, numbers Vam ebx numbines MOV : goodratuo mov edr, ebx mov est, 1 medoop: mor ear, esi call writebec cax = 1 inc esi esi=2 dec edx - jumps back to inner of edx == 0, gnz mnerloop loop of edx 12 not zen call crif dec ebx Goodsetro good 12

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