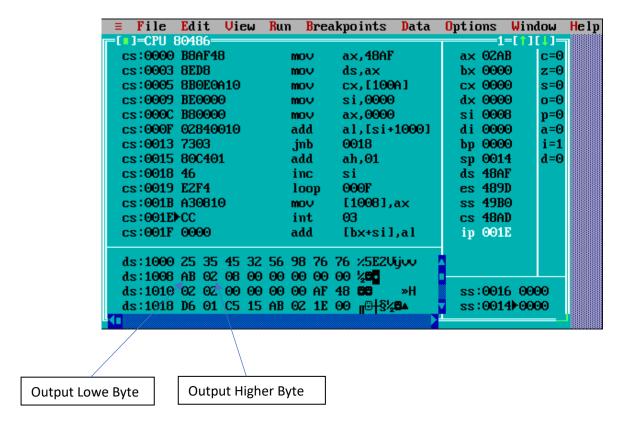
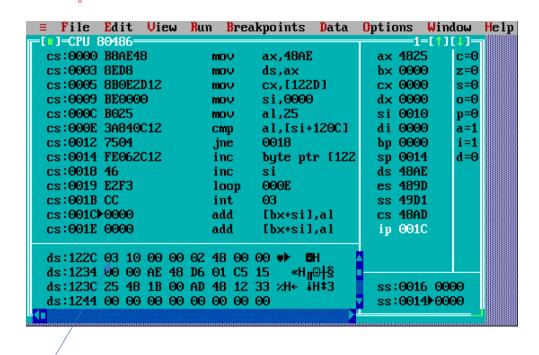
MODEL SMALL
STACK 20
DATA
ORG 1000H
NUM 08 25H, 35H, 45H, 32H, 56H, 98H, 76H, 76H
SUM DW ?
COUNT DW 0008H
.co0E
START:
MOV AX, @OATA
MOV DS, AX
MOV CX, COUNT
MOV SI, 0000H
MOV AX, 0000H
REPEAT:
ADD AL, NUMESIJ
JNC NEXT
A00 AH, 01
NEXT:
INC SI
LOOP REPEAT
MOV SUM, AX
INT 3
ENO START



STACK 20 0ATA ORG 1200H ARRAY 08 25H, 35H, 45H, 32H, 56H, 25H, 76H, 76H, 28H, 56H, 0 25H, 00H, 98H, 21H ORG 1220H RES 08 ? COUNT DW 0010H CODE START: MOV AX, ©0ATA MOV 0S, AX MOV CK, COUNT MOV SI, 0000H MOV AL, 25H REPEAT: CMP AL, ARRAYCSIJ TNE NEXT	ODEL SMALL	
ORG 1200H ARRAY 08 25H, 35H, 45H, 32H, 56H, 25H, 76H, 76H, 18H, 56H, 0 25H, 00H, 98H, 21H ORG 1210H RES 08? COUNT ON OOLOH CODE START: MOV AX, GOATA MOV CX, COUNT MOV SI, 0000H MOV AL, 25H REPEAT: CMP AL, ARRAY(SI)	TACK 20	
ARRAY 08 19H, 35H, 49H, 32H, 56H, 15H, 76H, 76H, 18H, 56H, 0 19H, 00H, 98H, 21H ORG 1210H RES 08? COUNT ON ODIOH COOE START: MOV AX, ©DATA MOV OS, AX MOV CX, COUNT MOV SI, 0000H MOV AL, 15H REPEAT: CMP AL, ARRAYCSID	ATA .	
29H, 00H, 98H, 21H ORG 1220H RES 08? COUNT ON ODIOH COOE START: MOV AX, ©OATA MOV OS, AX MOV CX, COUNT MOV SI, 0000H MOV AL, 25H REPEAT: CMP AL, ARRAYCSIJ	G 1200H	
ORG 1720H RES 08 ? COUNT ON OOICH COOE START: MOV AX, @OATA MOV OS, AX MOV CX, COUNT MOV SI, 0000H MOV AL, 25H REPEAT: CMP AL, ARRAYCSIJ	KRAY 08 25H, 35H, 45H,	, 32H, 56H, 25H, 76H, 76H, 28H, 56H, 05H
RES 08 ? COUNT ON OOICH COOE START: MOV AX, @OATA MOV OS, AX MOV CX, COUNT MOV SI, 0000H MOV AL, 15H REPEAT: CMP AL, ARRAYCSIJ	H, 00H, 98H, 21H	
COUNT OW OOLOH COOE START: MOV AK, GOATA MOV OS, AK MOV CK, COUNT MOV SI, 0000H MOV AL, 15H REPEAT: CMP AL, ARRAYCSIJ	G 1220H	
CODE START: MOV AX, GOATA MOV OS, AX MOV CK, COUNT MOV SI, 0000H MOV AL, 15H REPEAT: CMP AL, ARRAYCSIJ	S 08 ?	
START: MOV AK, GOATA MOV OS, AK MOV CK, COUNT MOV SI, 0000H MOV AL, 15H REPEAT: CMP AL, ARRAYCSIJ	HOIDO WE THUC	
MOV AX, GOATA MOV OS, AX MOV CX, COUNT MOV SI, 0000H MOV AL, 15H REPEAT: CMP AL, ARRAYCSIJ	30c	
MOV DS, AK MOV CK, COUNT MOV SI, 0000H MOV AL, 15H REPEAT: CMP AL, ARRAY[SI]	TART:	
MOV CK, COUNT MOV SI, 0000H MOV AL, 15H REPEAT: CMP AL, ARRAYCSIJ	OV AK, @DATA	
MOV SI, 0000H MOV AL, 19H REPEAT: CMP AL, ARRAYCSIJ	OV OS, AX	
MOV AL, 25H REPEAT: CMP AL, ARRAYCSIJ	OV CK, COUNT	
REPEAT: CMP AL, ARRAYCSIJ	OV SI, 0000H	
CMP AL, ARRAYESI]	OV AL, 25H	
•	PEAT:	
THE HEXT	NP AL, ARRAYESIJ	
31-0 1-01-1	JE NEXT	
INC RES	IC RES	
NEXT:	XT:	
INC SI	VC SI	
LOOP REPEAT	MP REPEAT	
INT 3	UI PUI UI II	

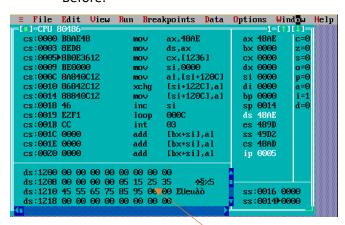


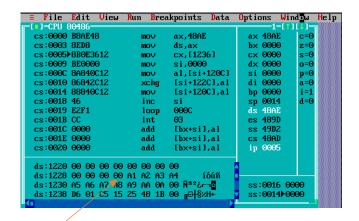
Output

P3:

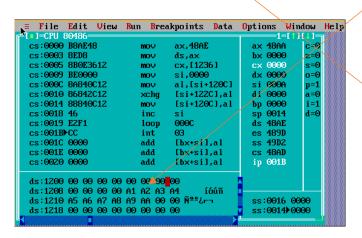
\parallel	
#	MODEL SMALL
\parallel	STACK 20
#	DATA
1	ORG 1200H
#	ARRAYI 08 05H, 15H, 25H, 35H, 45H, 55H, 65H, 75H, 85H, 95H
1	ORG 1220H
1	ARRAY2 DB OAIH, OA2H, OA3H, OA4H, OA5H, OA6H, OA7H, OA8H, OA9H
╙	НААО
1	COUNT DW 000AH
1	.co0E
╙	START:
▮	MOV AX, @OATA
1	MOV DS, AX
1	MOV CX, COUNT
1	MOV SI, 0000H
1	REPEAT:
1	MOV AL, ARRAYICSII
	KCHG AL, ARRAYZESIJ
1	MOV ARRAYICSIJ, AL
	INC SI
1	LOOP REPEAT
	INT 3
	ENO START

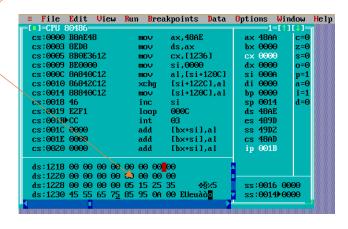
Before:





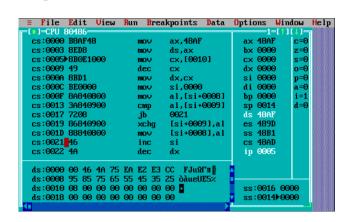
After:





MODEL SMALL
STACK 10
DATA
NUM 08 11H, 21H, 31H, 31H, 55H, 45H, 35H, 25H
COUNT DW 0008H
.co0E
START:
MOV AX, @DATA
MOV DS, AX
MOV CX, COUNT
DEC CX
NEXT:
MOV DX, CX
MOV SI, 0000H
REPEAT:
MOV AL, NUMESIJ
CMP AL, NUMESI + 17
JC NOEX
XCHG AL, NUMESI +17
MOV NUMESIJ, AL
NOEX: INC SI
OEC OX
JNZ REPEAT
LOOP NEXT
INT 3
ENO START

Before sorting:



After sorting:

