move the mer Stop the prog EXECUTION Enter the ope	mory location ram. N: eration code v	o700 to SI jun	emory location and enter the ess of the program 0400 and eresult.	4E 88 04 46 E2 F1 4B BE 00 07 75 E5 F4	L1:
ADDRESS	OPCODE	LABEL	MNEMONCS		
0400: 0403: 0405: 0406: 0408: 0409: 040C: 040E: 040F: 0411: 0413:	BE 00 07 8B 1C 4B 8B 0C 49 BE 02 07 8A 04 46 3A 04 76 06 86 04	L3: L2:	MOV SI, 0700H MOV BX, [SI] DEC BX MOV CX, [SI] DEC CX MOV SI, 0702H MOV AL, [SI] INC SI CMP AL, [SI] JBE L1 XCHG AL, [SI]		

DEC SI

INC SI LOOP L2

DECBX

JNE L3 HLT

MOV [SI], AL

MOV SI, 0700H

RESULT:	
INPUT	OUTPUT
0700 - 05 (NO OF Data)	0702 - 12
DATA START FROM 0702	0703 - 14
0702 - 12	0704 - 41
0703 - 97	0705 – 97
0704 - 41	0706 – AA
0705 - 14	
0706 - AA	

Hence the ascending order number is executed.