ASCENDING ORDER

EXP NO: 11

AIM: To compute ascending order of an array using 8085 processor.

ALGORITHM:

1) Initialize HL pair as memory pointer.

2) Get the count at memory and load it into C register

3) Copy it in D register (for bubble sort (N-1)) times required.

4) Get the first value in A register.

5) Compare it with the value at next location.

6) If they are out of order, exchange the contents of A register and memory.

7) Decrement D register content by 1

8) Repeat step 5 and 7 till the value in D register become zero.

9) Decrement the C register content by 1.

10) Repeat steps 3 to 9 till the value in C register becomes zero.

