

25-ascending order

Program

Store: LXI H,8000

MVI D,00

MOV C,M

DCR C

INX H

LOOP: MOV A,M

INX H

CMP M

JC LOOP1

MOV B,M

MOV M,A

DCX H

MOV M,B

INX H

MVI D,01

LOOP1: DCR C

JNZ LOOP

MOV A,D

RRC

JC Store

HLT

Output

