

```
LXI B,0000H
LHLD 8002
XCHG
LHLD 8000
LOOP: MOV A,L
SUB E
MOV L,A
MOV A,H
SBB D
MOV H,A
JC SKIP
INX B
JMP LOOP
SKIP: DAD D
SHLD 8006
MOV L,C
MOV H,B
SHLD 8004
HLT
```