LDA 2000

MOV B,A

DCR B

LOOP3: LXI H,2000

MOV C,M

DCR C

INX H

LOOP2: MOV A,M

INX H

CMP M

JC LOOP1

MOV D,M

MOV M,A

DCX H

MOV M,D

INX H

LOOP1: DCR C

JNZ LOOP2

DCR B

JNZ LOOP3

HLT