ASSUME CS: CODE, DS: DATA   
DATA SEGMENT   
 X DB 02D   
 Y DB 20D   
 GCD DB ?   
 LCM DB ?   
 DATA ENDS   
CODE SEGMENT   
 START: MOV AX, DATA   
 MOV DS, AX   
 MOV AL, X   
 MOV BL, Y   
 RPT: CMP AL, BL   
 JE GCD\_FOUND   
 JG LARGER   
 SUB BL, AL   
 JMP RPT   
 LARGER: SUB AL, BL   
 JMP RPT   
 GCD\_FOUND: MOV GCD, AL   
 MOV AL, X   
 MUL Y   
 DIV GCD  
 MOV LCM, AL   
 MOV AH, 4CH   
 INT 21H   
 CODE ENDS   
 END START