```
.MODEL SMALL
.STACK 100H
.DATA
    MSGA DB 'Present Chanel: $'
    MSGB DB 'Requred Chanel: $'
    MSGC DB 'Lowst Step: $'
    MSGD DB 13,10,'$'
    COUNT DB ?
    PC DW ?
    RC DW ?
    STEP DW ?
    RESULT DW ?
    TEMP DW ?

.CODE
MAIN PROC
    MOV AX,@DATA
    MOV DS,AX

RAND_IO:
    MOV COUNT,2
    LEA DX,MSGA
    MOV AH,9
    INT 21H

    GET_INPUTS:
        MOV DX,0
        MOV BX,0
        MOV AH,1
        INT 21H

        CMP AL,0DH
        JE END_INPUTS

        CONVERT_TO_NUM:
            AND AX,000FH
            MOV TEMP,AX
            MOV AX,10
            MUL BX
            MOV BX, AX
            ADD BX,TEMP

        MOV AH,1
        INT 21H
        CMP AL,0DH
        JNE CONVERT_TO_NUM

        END_INPUTS:
            CMP COUNT,1
            JNE GET_PC

            MOV RC,BX
            JMP GET_RC

            GET_PC:
                MOV PC,BX
                LEA DX,MSGB
                MOV AH,9
                INT 21H

            GET_RC:
                DEC COUNT
                CMP COUNT,0
                JNE GET_INPUTS
```

```
        GET_RESULT:
            MOV BX,PC
            MOV AX,RC
            CMP BX,RC
            JGE FIRST_CON
            JMP SECOND_CON

            FIRST_CON:
                SUB BX,RC
                MOV STEP,BX
                JMP START_PRINT

            SECOND_CON:
                SUB AX,PC
                MOV STEP,AX

            MOV TEMP,50H
            CMP AX,TEMP
            JLE START_PRINT
            MOV TEMP,100H
            SUB TEMP,AX
            MOV AX,TEMP
            MOV STEP,AX

        START_PRINT:
            LEA DX,MSGC
            MOV AH,9
            INT 21H

            MOV AX,STEP
            MOV CX,0
            MOV BX,10

            STOR_RESULTS:
                XOR DX,DX
                DIV BX
                PUSH DX
                INC CX
                CMP AX,0
                JNE STOR_RESULTS

            PRINT_RESULTS:
                MOV AH,2
                POP DX
                ADD DL,48
                INT 21H
                LOOP PRINT_RESULTS

        NEW_INPUT:
            LEA DX,MSGD
            MOV AH,9
            INT 21H
            JMP RAND_IO

    MAIN ENDP
        END MAIN
```