EXPERIMENT - 2

EXERCISE - 1

; Find the difference of two 2-digit BCD numbers available

; in R1 and R2 and store the result in location 2000h.

ORG 0000H ; ORIGINATE

AJMP START ; JUMP TO THE LABEL START

START:

MOV A, R2

CPL A

ADDC A, R1

DA A

JNC STORE ; JUMP ON NO CARRY TO THE LABEL STORE

CONVERT:

MOV R0, A

MOV A, #00H

SUBB A, R0

STORE:

MOV DPTR, #2000H

MOVX @DPTR, A

END