**DIVIDE INSTRUCTION WITH BOTH DATA VARIABLE**

MOV DPTR,#D2000H ;DIVIDENT

MOVX A,@DPTR

MOV RSLT\_1,A

INC DPTR

MOVX A,@DPTR

MOV RSLT\_0,A

MOV DPTR,#D2005H ;DIVISOR

MOVX A,@DPTR

MOV R3,A

INC DPTR

MOVX A,@DPTR

MOV R2,A

LCALL DIVIDE

MOV DPTR,#D2010H ;QUOTIENT

MOV RSLT\_1,A

MOVX @DPTR,A

INC DPTR

MOV RSLT\_0,A

MOVX @DPTR,A

INC DPTR ;REMAINDER IS AT D2011

MOV A,TEMP\_1

MOVX @DPTR,A

INC DPTR

MOV A,TEMP\_0

MOVX @DPTR,A

**DIVIDE INSTRUCTION WITH DIVIDENT AS CONSTANT DATA**

MOV A,#03H ;DIVIDENT

MOV RSLT\_1,A

MOV A,#0E8H

MOV RSLT\_0,A

MOV DPTR,#D2005H ;DIVISOR

MOVX A,@DPTR

MOV R3,A

INC DPTR

MOVX A,@DPTR

MOV R2,A

LCALL DIVIDE

MOV DPTR,#D2010H ;QUOTIENT

MOV RSLT\_1,A

MOVX @DPTR,A

INC DPTR

MOV RSLT\_0,A

MOVX @DPTR,A

INC DPTR ;REMAINDER IS AT D2011

MOV A,TEMP\_1

MOVX @DPTR,A

INC DPTR

MOV A,TEMP\_0

MOVX @DPTR,A

**DIVIDE INSTRUCTION WITH DIVISOR AS CONSTANT DATA**

MOV DPTR,#D2000H ;DIVIDENT

MOVX A,@DPTR

MOV RSLT\_1,A

INC DPTR

MOVX A,@DPTR

MOV RSLT\_0,A

MOV A,#03H ;DIVISOR

MOV R3,A

MOV A,#0E8H

MOV R2,A

LCALL DIVIDE

MOV DPTR,#D2010H ;QUOTIENT

MOV RSLT\_1,A

MOVX @DPTR,A

INC DPTR

MOV RSLT\_0,A

MOVX @DPTR,A

INC DPTR ;REMAINDER IS AT D2011

MOV A,TEMP\_1

MOVX @DPTR,A

INC DPTR

MOV A,TEMP\_0

MOVX @DPTR,A