WITH PRESET VALUE AS VARIABLE

D0001H EQU 1000H

D0001L EQU 1001H

D0002H EQU 1002H

D0002L EQU 1003H

TIMER INSTRUCTION

MOV DPTR,#RLY512\_519+(11)

MOVX A,@DPTR

JNB TM606,TMR9\_NOT\_ENABLED

JB TM607, TM9\_END

JNB TEN\_MSEC\_BIT, TM9\_END

MOV DPTR,# D0001L ;TMC09L

MOVX A,@DPTR

CLR C

ADD A,#01

MOVX @DPTR,A

MOV DPTR,#D0001H ;TMC09H

MOVX A,@DPTR

ADDC A,#0

MOVX @DPTR,A

MOV DPTR,#D0001H ;TMC09H

MOVX A,@DPTR

MOV B,A

MOV DPTR,#D0002H ;TMS09H

MOVX A,@DPTR

CJNE A,B,CHK\_TMC09H ;TMR00\_NOT\_DONE

SJMP CHK\_TMC09L

CHK\_TMC09H:

JC SET\_TMR09\_DONE

JNC TMR09\_NOT\_DONE

CHK\_TMC09L:

MOV DPTR,#D0001L ;TMC09L

MOVX A,@DPTR ;A,TMC00L

MOV B,A

MOV DPTR,#D0002L ;TMS09L

MOVX A,@DPTR

CJNE A,B,CHECK\_CARRY\_TM09

SJMP SET\_TMR09\_DONE

CHECK\_CARRY\_TM09:

JC SET\_TMR09\_DONE

TMR09\_NOT\_DONE:

MOV DPTR,# RLY512\_519+(11)

MOVX A,@DPTR

CLR TM607D

MOVX @DPTR,A

SJMP TM9\_END

SET\_TMR09\_DONE:

MOV DPTR,# RLY512\_519+(11) ;TM08\_12\_ENABLE

MOVX A,@DPTR

SETB TM607D

MOVX @DPTR,A

SJMP TM9\_END

TMR9\_NOT\_ENABLED:

MOV DPTR,# RLY512\_519+(11) ;TM08\_12\_ENABLE

MOVX A,@DPTR

CLR TM607D

MOVX @DPTR,A

CLR A

MOV DPTR,#D0001H ;TMC09H

MOVX @DPTR,A

INC DPTR

MOVX @DPTR,A

TM9\_END:

WITH PRESET VALUE AS CONSTANT

MOV DPTR,#RLY512\_519+(11)

MOVX A,@DPTR

JNB TM606,TMR9\_NOT\_ENABLED

JB TM607, TM9\_END

JNB TEN\_MSEC\_BIT, TM9\_END

MOV DPTR,# D0001L ;TMC09L

MOVX A,@DPTR

CLR C

ADD A,#01

MOVX @DPTR,A

MOV DPTR,#D0001H ;TMC09H

MOVX A,@DPTR

ADDC A,#0

MOVX @DPTR,A

MOV DPTR,#D0001H ;TMC09H

MOVX A,@DPTR

MOV B,A

MOV A,#MSD\_VALUE

CJNE A,B,CHK\_TMC09H ;TMR00\_NOT\_DONE

SJMP CHK\_TMC09L

CHK\_TMC09H:

JC SET\_TMR09\_DONE

JNC TMR09\_NOT\_DONE

CHK\_TMC09L:

MOV DPTR,#D0001L ;TMC09L

MOVX A,@DPTR ;A,TMC00L

MOV B,A

MOV A,#LSD\_VALUE

CJNE A,B,CHECK\_CARRY\_TM09

SJMP SET\_TMR09\_DONE

CHECK\_CARRY\_TM09:

JC SET\_TMR09\_DONE

TMR09\_NOT\_DONE:

MOV DPTR,# RLY512\_519+(11)

MOVX A,@DPTR

CLR TM607D

MOVX @DPTR,A

SJMP TM9\_END

SET\_TMR09\_DONE:

MOV DPTR,# RLY512\_519+(11) ;TM08\_12\_ENABLE

MOVX A,@DPTR

SETB TM607D

MOVX @DPTR,A

SJMP TM9\_END

TMR9\_NOT\_ENABLED:

MOV DPTR,# RLY512\_519+(11) ;TM08\_12\_ENABLE

MOVX A,@DPTR

CLR TM607D

MOVX @DPTR,A

CLR A

MOV DPTR,#D0001H ;TMC09H

MOVX @DPTR,A

INC DPTR

MOVX @DPTR,A

TM9\_END: