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;ROLL NO:: 39

;BATCH:: S2

;ALP in 8085 to ntransfer a block of 16 bytes from internal data memory 40H to 50H

org 0x0000

ljmp start

org 0x100

start: MOV R0,#0x40 ;pointer at block 1

MOV R1,#0x50 ;pointer at block 2

MOV R3,#0x10 ;counter

BACK: MOV a,@R0

MOV @R1,a

INC R0

INC R1

DJNZ R3,back

nop

here: sjmp here

end

The screenshot displays the Keil uVision IDE interface with three main panels:

- Disassembly Panel:** Shows assembly code for a loop. The instruction at address 0x0010E is `JMP HERE (C:010E)`. The code is labeled `here: jmp here`.
- Registers Panel:** A table showing the current values of registers. The `SP` register is at 0x007, and the `PC` register is at 0x0010E. The `DPTR` register is at 0x1000.
- Memory Panel:** Shows the memory dump starting at address 0x0040. The memory contains a sequence of bytes, including the instruction `JMP HERE` at address 0x0010E.

