

Problem Definition: Write an 8086 Program to transfer the block from internal memory location 30h to internal memory location 10h

Lim: to understand concept of internal memory organization, various addressing modes and external memory addressing.

Hardware and Software requirements: 8086, Keil software

Algorithm:

1. Start

2. Load count value in register.

3. Point R0 to internal memory location 30h

4. Point R1 to internal memory location 10h

5. Copy contents of memory pointed by R0 to Accumulator

6. Copy contents of Accumulator to memory pointed by R1

7. Increment R0

increment R

10. Decrement counter

11. If counter is not zero go to step 3

12. Stop.

Conclusion:

We have studied to access internal memory indirect addressing mode.