

Problem Definition write an assembly Program to transfer the word from internal memory location 30h to internal memory location 10

him to understand concept of internal memory organization, various addressing modes and external memory access

Hardware and Software requirements.

BMP, Keller

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

8(increment R

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increment R

10. Merement counter

It. If counter is not zero go to step 3

12. Stop

Conclusion:

We have studied to access internal
memory

indirect addressing mode.

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