

Alternate solution

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| LOAD 01AH ; AC is loaded with data read from 01AH  ADD 01BH ; [AC]= [AC]+M[01BH]  RSH ; Right shift by one bit, i.e., divide by 2  ADD 01CH; [AC]= [AC] +M[01CH]  RSH ; Right shift by one bit, i.e., divide by 2  STOR 01DH; Content of AC is saved into memory location 01CH |