**ASSEMBLY PROGRAM FOR PART # 2**



Program performs bitwise “AND” operation on 10 numbers that are stored in memory between addresses 0x800 - 0x809 and write the result to the address 0x80A. DATAPTR keeps address for first data, RESULTPTR keeps address for result and ITERNUM sets number of elements to be performed bitwise “AND”.

For our case program runs for 10 iteration without problem and writes result to RESULT address then program halts. For this data set the result will be 0000.