```
  1 ;FileName:        TimerExp.asm


                     .title          "TimerExp.asm"
  5                  .mmregs

                     .def            _c_int00
                     .def            CurrentInput

 10 IO_Read          .set            0010h
    BufferSize       .set            200

                     .data

 15                  .bss            CurrentInput,1

    Buffer           .usect          "Buffer",BufferSize
    DpBuffer         .usect          "DpBuffer",BufferSize

 20                  .text

    ORGANIZE:        STM             #DpBuffer,AR3
                     MVKD            *(CurrentInput),*AR2
                     RPT             #BufferSize-1
 25                  MVDD            *AR2+0%,*AR3+0%
                     MAR             *+AR2(-1)%
                     STM             #1,AR4
                     RET

 30 _c_int00:        SSBX            INTM
                     STM             #0FFFFh,IFR
                     STM             #0000h,IMR
                     ST              #0,*(CurrentInput)
                     STM             #Buffer,AR0
 35                  RPT             #BufferSize-1
                     ST              #0,*AR0+
                     STM             #DpBuffer,AR0
                     RPT             #BufferSize-1
                     ST              #0,*AR0+
 40
                     SSBX            FRCT
                     STM             #Buffer,AR2
                     STM             #BufferSize,BK
                     STM             #1,AR0
 45                  STM             #1,AR4

                     STM             0010h,TCR
                     STM             04E1h,PRD
                     STM             0024h,TCR
 50                  STM             0008h,IFR
                     STM             0008h,IMR
                     RSBX            INTM

    LOOP:            BANZ            LOOP,*AR4
 55                  CALL            ORGANIZE
                     B               LOOP


                     .end
```