of sequence of instructions for SIC to calculate the factorial of a number.

```
                LDA     NUMB        ;
                STA     FACT        ; FACT = x
                JSUB    Floop       ; L = PC, PC = Floop

Floop           LDA     NUMB        ; Start of factorial loop
                SUB     ONE         ; FACT-1 x NUMB = x-1
                LDA     FACT        ; FACT = x
                MUL     NUMB        ; A = (x)* (x-1)...*1
                STA     FACT        ; FACT = ⊥
                LDA     NUMB        ; A = x-1
                COMP    ONE         ; x-1 > 1 ?
                JGT     Floop       ; if x-1 greater than 1, loop
                RSUB                ; PC = L

FACT    RESW    1
NUMB    RESW    1

ONE     WORD    1
```