

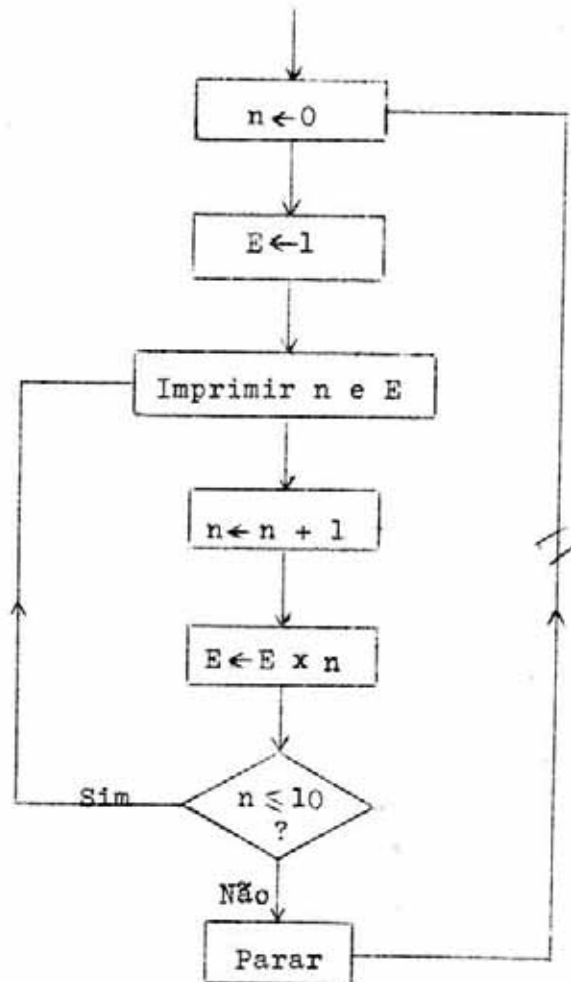
Cálculo do Factorial de N.

$$0 \leq N \leq 10$$

Método de cálculo:

$$n! = (n - 1)! \times n \quad \text{com } 0! = 1$$

Diagrama:



```

08000 C      CALCULO DO FACTORIAL DE N
08000 C      DESDE N=0 ATE N=10
08000 C
08000      N=0
08036      ENEF=1.
08072      2 PRINT1,N, ENEF
08108      N=N+1
08156      A=N
08204      ENEF=ENEF*A
08252      IF (N-10) 2, 2, 3
08320      3 STOP
08368      1 FORMAT (2HN=13, 3X, 16NFACTORIAL DE N =E14, 3)
08458      END

```

PROG SW 1 ONFOR SYMBOL TABLE, PUSH START

```

99999 SIN
99889 SINF
99779 COS
99669 COSF
99559 ATAN
99449 ATANF
99339 EXP
99229 EXPF
99119 LOG
99009 LOGF
98889 SQRT
98779 SQRTF
98669 N
98559 0000
98449 ENEF
98339 10000000001
98229 0002
98119 0001
98009 0001
97999 0001
97889 000
97779 A
97669 0010
97559 0003

```

SW 1 OFF TO IGNORE SUBROUTINES, PUSH START

PROCESSING COMPLETE

```

N= +0 FACTORIAL DE N =>.10000000E+01
N= +1 FACTORIAL DE N =>.10000000E+01
N= +2 FACTORIAL DE N =>.20000000E+01
N= +3 FACTORIAL DE N =>.60000000E+01
N= +4 FACTORIAL DE N =>.24000000E+02
N= +5 FACTORIAL DE N =>.12000000E+03
N= +6 FACTORIAL DE N =>.72000000E+03
N= +7 FACTORIAL DE N =>.50400000E+04
N= +8 FACTORIAL DE N =>.40320000E+05
N= +9 FACTORIAL DE N =>.36288000E+06
N=+10 FACTORIAL DE N =>.36288000E+07
STOP

```