

X P L COMPILATION -- THE VIRTUAL AGC PROJECT -- XCOM III VERSION OF APRIL 27, 2024. CLOCK TIME = 12:4:21.17.

TODAY IS APRIL 27, 2024. CLOCK TIME = 18:42:34.85.

1	FACTORIAL:	1286
2	PROCEDURE (N);	1286
3	DECLARE (I, N, NFACT) FIXED;	1286 FACTORIAL
4		1294 FACTORIAL
5	NFACT = 1;	1294 FACTORIAL
6	DO I = 2 TO N;	1302 FACTORIAL
7	NFACT = NFACT*I;	1338 FACTORIAL
8	END;	1350 FACTORIAL
9	RETURN NFACT;	1354 FACTORIAL
10	END FACTORIAL;	1364 FACTORIAL
11		1370
12	/* THE NEXT STATEMENT HAS AN UNDECLARED IDENTIFIER */	1370
13		1370
14	DO X = 1 TO 10;	1370
***	ERROR, UNDECLARED IDENTIFIER: X (DETECTED AT LOCATION 43927 IN XCOM). LAST PREVIOUS ERROR WAS DETECTED ON LINE 0. ***	
15	OUTPUT = X    ' FACTORIAL = '    FACTORIAL(X);	1398 C7 = 10.
16	END;	1476
17		1480
18	/* THE NEXT STATEMENT HAS A SIMULATED KEYPUNCH ERROR */	1480
19		1480
20	2 = I + 1;	1480
***	ERROR, ILLEGAL SYMBOL PAIR: ; <NUMBER> (DETECTED AT LOCATION 44417 IN XCOM). LAST PREVIOUS ERROR WAS DETECTED ON LINE 14. ***	
	PARTIAL PARSE TO THIS POINT IS: <STATEMENT LIST> <GROUP> ;	
	RESUME:	
21		1480
22	OUTPUT = TIME;	1480
23		1520
24	EOF	1520

##### EXECUTION OF THIS PROGRAM WILL BE INHIBITED.

\* FILE CONTROL BLOCK 3600 3600 1 1 3600 1528 1576

\* LOAD FILE WRITTEN.

END OF COMPILATION APRIL 27, 2024. CLOCK TIME = 18:42:34.86.

24 CARDS CONTAINING 10 STATEMENTS WERE COMPILED.

2 ERRORS (1 SEVERE) WERE DETECTED.

THE LAST DETECTED ERROR WAS ON LINE 20.

1528 BYTES OF PROGRAM, 1373 OF DATA, 28 OF DESCRIPTORS, 173 OF STRINGS. TOTAL CORE REQUIREMENT 3102 BYTES.

SYMBOL TABLE DUMP

FACTORIAL : LABEL AT 1290(14), DECLARED ON LINE 1 AND REFERENCED 1 TIMES.

PARAMETER 1 : FIXED AT 1348(11), DECLARED ON LINE 3 AND REFERENCED 1 TIMES.

X : FIXED AT 1360(11), DECLARED ON LINE 14 AND REFERENCED 3 TIMES.

MACRO DEFINITIONS:

DX\_SIZE                    LITERALLY: 500

IDCOMPARES                = 1706  
SYMBOL TABLE SIZE = 42  
MACRO DEFINITIONS = 1  
STACKING DECISIONS= 1944  
SCAN                      = 511  
EMITRR                    = 74  
EMITRX                    = 360  
FORCEACCUMULATOR       = 114  
ARITHEMIT                = 34  
GENSTORE                 = 34  
FIXBFW                    = 36  
FIXDATAWORD              = 12  
FIXCHW                    = 36  
GETDATA                  = 0  
GETCODE                  = 0  
FINDADDRESS              = 67  
SHORTCFIX                = 36  
LONGCFIX                 = 0  
SHORTDFIX                = 12  
LONGDFIX                 = 0  
FREE STRING AREA        = 16744964

REGISTER VALUES (RELATIVE TO R11):

R4 = 0  
R5 = 0  
R6 = 0  
R7 = 0  
R8 = 0  
R9 = 0  
R10 = 0  
R11 = 0  
R12 = 0  
R13 = 1368

INSTRUCTION FREQUENCIES:

BALR    7  
BCTR    3  
BCR     9  
LPR     1  
LTR     4  
OR      2  
LR      7  
CR      3  
AR     21  
SR     16  
DR      1  
STH     3  
LA     22

PAGE 4

STC	5
IC	5
EX	2
BAL	8
BC	48
LH	6
ST	61
N	7
L	90
C	20
A	13
S	12
M	1
AL	2
SRL	1
SLL	7
STM	7
TM	1
OI	1
LM	8

TOTAL TIME IN COMPILER	0:0:0.01.
SET UP TIME	0:0:0.01.
ACTUAL COMPILATION TIME	0:0:0.00.
POST-COMPILATION TIME	0:0:0.00.