

ZILCH 11/18/69 14:00

DTSS

```
10 PRINT "COMPUTE X TO THE NTH"  
15 PRINT "X=";  
20 INPUT X  
30 PRINT "N=";  
40 INPUT N  
45 LET Y=1  
50 FOR I=1 TO N  
60 LET Y=X*Y  
70 NEXT I  
80 PRINT "RESULT="Y  
90 END
```

\*\*\*CRITICAL STORAGE SHORTAGE. PLEASE UNSAVE UNNECESSARY FILES\*\*\*  
READY

RUN

ZILCH 11/18/69 14:00

```
COMPUTE X TO THE NTH  
X=? 1.000001  
N=? 1000  
RESULT= 1.001
```

TIME: 0.118 SEC.  
READY

RUN

ZILCH 11/18/69 14:02

```
COMPUTE X TO THE NTH  
X=? 1.000001  
N=? 10000  
RESULT= 1.00998
```

TIME: 0.478 SEC.  
READY

RUN

ZILCH 11/18/69 14:04

```
COMPUTE X TO THE NTH  
X=? 1.000001  
N=? 100000  
RESULT= 1.10421
```

TIME: 4.031 SEC.  
READY

USERS

77 USERS  
READY

USE

77 USERS  
READY

OLD ZILCH\*\*\*

FILE NOT SAVED  
READY

```
10 PRINT "COMPUTE X TO THE NTH"  
15 PRINT "X=" :  
20 INPUT X  
30 PRINT "N=" :  
40 INPUT N  
45 LET Y=1  
50 FOR I=1 TO N  
60 LET Y=X*Y  
70 NEXT I  
80 PRINT "RESULT="Y  
90 END  
RUN
```

ZILCH 11/18/69 15:55

```
COMPUTE X TO THE NTH  
X=? 1.000001  
N=? 1  
RESULT= 1.
```

TIME: 0.083 SEC.  
READY

RUN

ZILCH 11/18/69 15:57

```
COMPUTE X TO THE NTH  
X=? 1.000001  
N=? 10  
RESULT= 1.00001
```

TIME: 0.076 SEC.  
READY

USERS

76 USERS  
READY

RUN

ZILCH 11/18/69 15:58

COMPUTE X TO THE NTH

X=? 1.000001

N=? 100

RESULT= 1.0001

TIME: 0.082 SEC.

READY

RUN

ZILCH 11/18/69 15:59

COMPUTE X TO THE NTH

X=? 1.000001

N=? 1000

RESULT= 1.001

TIME: 0.120 SEC.

READY

USERS

77 USERS

READY

RUN

ZILCH 11/18/69 16:00

COMPUTE X TO THE NTH

X=? 1.000001

N=? 10000

RESULT= 1.00998

TIME: 0.479 SEC.

READY

RUN

ZILCH 11/18/69 16:01

COMPUTE X TO THE NTH

X=? 1.000001

N=? 100000

RESULT= 1.10421

TIME: 4.068 SEC.

READY

USERS

72 USERS

READY

RUN

ZILCH 11/18/69 16:04

COMPUTE X TO THE NTH

X=? 1.000001

N=? 1000000

18.606

24.213

©

*System Crash! Up ~ 3 minutes later*

DARTMOUTH TIME-SHARING  
TERMINAL 142 ON AT 16:40 18 NOV 69, 083 USERS  
DTSS TILL 0100. LIST CCNEWS\*\*\* 7 NOV 69.

USER NUMBER--D10963  
NEW OR OLD--OLD'ZIK←LCH\*\*\*

FILE NOT SAVED  
READY

LIST

ZILCH 11/18/69 16:41.

NO CURRENT FILE  
READY

```
10 PRINT "COMPUTE X TO THE NTH"  
15 PRINT "X=";  
20 INPUT X  
30 PRINT "N=";  
40 INPUT N  
45 LET Y=1  
50 FOR I=1 TO N  
60 LET Y=X*Y  
70 NEXT I  
80 PRINT "RESULTS←="Y  
90 END
```

LIST

ZILCH 11/18/69 16:43

```
10 PRINT "COMPUTE X TO THE NTH"  
15 PRINT "X=";  
20 INPUT X  
30 PRINT "N=";  
40 INPUT N  
45 LET Y=1  
50 FOR I=1 TO N  
60 LET Y=X*Y  
70 NEXT I  
80 PRINT "RESULT="Y  
90 END  
READY
```

RUN

ZILCH 11/18/69 16:43

COMPUTE X TO THE NTH

X=? 1.000001

N=? 1

RESULT= 1.

TIME: 0.079 SEC.

READY

RUN

ZILCH 11/18/69 16:44

COMPUTE X TO THE NTH

X=? 1.000001

N=? 1000000

JOB RUN TIME LIMIT EXCEEDED

STOP

TIME: 32.241 SEC.

READY

USERS

74 USERS

READY

RUN

ZILCH 11/18/69 16:59

COMPUTE X TO THE NTH

X=? 1.000001

N=? 650000

16.124

RESULT= 1.90673

TIME: 25.903 SEC.

READY

RUN

ZILCH 11/18/69 17:07

COMPUTE X TO THE NTH  
X=? 1  
N=? 1  
RESULT= 1

TIME: 0.076 SEC.  
READY

USERS

68 USERS  
READY

RUN

ZILCH 11/18/69 17:07

COMPUTE X TO THE NTH  
X=? 1.00001E-01  
N=? 700000  
0.096

1.031

5.953

10.836

24.495

} pressing carriage return during  
execution causes execution time  
for this program to be printed

RESULT= 2.00394.

TIME: 27.909 SEC.  
READY

USERS

60 USERS  
READY