```
print timer mad
W 2041.2

  TIMER    MAD -  M1416  1232 - MAC2C1 - OCT 19, 1965 - 2041.5

          NORMAL MODE IS INTEGER
          VECTOR VALUES NREGS = 7
          VECTOR VALUES CRYVEC(1) = 0,0,0,0,0,0,0,0
          VECTOR VALUES MODVEC(1) = 1000,1000,60,60,24,365,1000000
          VECTOR VALUES AMTVEC(1) = 1,0,0,0,0,0,0,0,0
          VECTOR VALUES NAME(1) = $ USEC.$,$ MSEC.$,$  SEC.$,$  MIN.$,
          :1     $ HOURS$, $  DAYS$, $ YEARS$
          :R
          PRINT COMMENT $    TIME TO OVERFLOW FOR A$
          PRINT COMMENT $    ONE MICROSECOND CLOCK.$
          PRINT COMMENT $  $
          PRINT FORMAT HEADER, NAME(2), NAME(1), $  BITS$
          OLDZ = 2
          VECTOR VALUES HEADER = $3A10*$
          THROUGH BITCT, FOR J = 1, 1, J .G. 71
            THROUGH DOUBLE, FOR K = 1, 1, K .G. NREGS
              AMTVEC(K) = AMTVEC(K) + CRYVEC(K) + AMTVEC(K)
              CRYVEC(K) = 0
LOWER         WHENEVER AMTVEC(K) .G. MODVEC(K)
                WHENEVER K .GE. NREGS, TRANSFER TO GIVUP
                CRYVEC(K+1) = CRYVEC(K+1)+1
                AMTVEC(K) = AMTVEC(K) - MODVEC(K)
                TRANSFER TO LOWER
DOUBLE          END OF CONDITIONAL
ZLP       THROUGH ZLP, FOR Z = NREGS,-1,(AMTVEC(Z).NE.0)
          :1     .OR. Z .LE. 2
          WHENEVER Z .NE. OLDZ
            PRINT COMMENT $    $
            PRINT FORMAT HEADER, NAME(Z), NAME(Z-1)
           . OLDZ = Z
          END OF CONDITIONAL
          PRINT FORMAT ABC, AMTVEC(Z), AMTVEC(Z-1), J
BITCT     CONTINUE
GIVUP     PRINT COMMENT $ $
          PRINT COMMENT $ $
          PRINT COMMENT $ $
          CHNCOM.(0)
          VECTOR VALUES ABC = $7WV110*$
          END OF PROGRAM
R 4.433+.883
```

TIME TO OVERFLOW FOR A
ONE MICROSECOND CLOCK.

MSEC.	USEC.	BITS
	2	1
	4	2
	8	3
	16	4
	32	5
	64	6
	128	7
	256	8
	512	9
1	24	10
2	48	11
4	96	12
8	192	13
16	384	14
32	768	15
65	536	16
131	72	17
262	144	18
524	288	19

SEC.	MSEC.	
1	48	20
2	97	21
4	194	22
8	388	23
16	777	24
33	554	25

MIN.	SEC.	
1	7	26
2	14	27
4	28	28
8	56	29
17	53	30
35	47	31

HOURS	MIN.	
1	11	32
2	23	33
4	46	34
9	32	35
19	5	36

DAYS	HOURS	
1	14	37
3	4	38
6	8	39
12	17	40
25	10	41
50	21	42
101	19	43
203	14	44

YEARS	DAYS	
1	42	45
2	84	46
4	168	47
8	337	48
17	310	49

YEARS	DAYS	
1	42	45
2	84	46
4	168	47
8	337	48
17	310	49
35	256	50
71	147	51
142	294	52
285	224	53
571	84	54
1,142	169	55
2,284	339	56
4,569	314	57
9,139	264	58
18,279	164	59
36,558	328	60
73,117	292	61
146,235	220	62
292,471	76	63
584,942	152	64
1,169,884	304	65
2,339,769	244	66
4,679,539	123	67
9,359,078	247	68
18,718,157	129	69
37,436,314	259	70
74,872,629	153	71

R 6.283+1.166