

HP-41C Ulam's Conjecture UC by Gerhard Kruse  
PPC Calculator Journal Vol 9 N6 P24 Sep 1982

```
01 LBL "UC"      ;Ulam's Conjecture Program 1
02 FIX 0
03 INT
04 LASTX
05 X#Y?
06 ASIN
07 RDN
08 2
09 X>Y?
10 ASIN
11 CLX
12 STO 01
13 RDN
14 STO 00
15 INT
16 LBL 00
17 VIEW L
18 ISG 01
19 ""           ;F0=null string (NOP)
20 LASTX
21 2
22 X=Y?
23 GTO 01
24 /
25 FRC
26 X=0?
27 GTO 00
28 LASTX
29 6
30 *
31 1
32 +
33 INT
34 GTO 00
35 LBL 01
36 1
37 VIEW X
38 TONE P
39 " "         ;1 space
40 ARCL 00
41 ">" ... "   ;1 space, 3 periods, 1 space
42 ARCL 01
43 AVIEW
44 RTN
45 CLX
46 STO 01
47 ISG 00
48 ""         ;F0=null string (NOP)
49 RCL 00
50 INT
51 GTO 00
52 END
```

004EC000F30055439C006876795C7512455C77317530680198  
749601F0761278B200436967B100761642114068B100021198  
739F78F1209B00F67F202E2E2E209B017E8577319600F02068  
B100C0000DFA

78 BYTES

```
01 LBL "ULC" ;Ulam's Conjecture Program 2
02 FIX 0
03 ABS
04 INT
05 LBL 02
06 STO 00
07 0
08 STO 01
09 RDN
10 INT
11 LBL 00
12 ISG 01
13 "" ;F0=null string (NOP)
14 LASTX
15 2
16 X=Y?
17 GTO 01
18 /
19 FRC
20 X=0?
21 GTO 00
22 LASTX
23 6
24 *
25 1
26 +
27 INT
28 GTO 00
29 LBL 01
30 " " ;1 space
31 ARCL 00
32 ">" ..... " ;1 space, 5 periods, 1 space
33 ARCL 01
34 AVIEW
35 ISG 00
36 "" ;F0=null string (NOP)
37 RCL 00
38 GTO 02
39 END
```

004EC000F30055439C006876795C7512455C77317530680198  
749601F0761278B200436967B100761642114068B100021198  
739F78F1209B00F67F202E2E2E209B017E8577319600F02068  
B100C0000DFA

65 BYTES

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Program Registers Needed: 12

Row 1 (1 - 7)



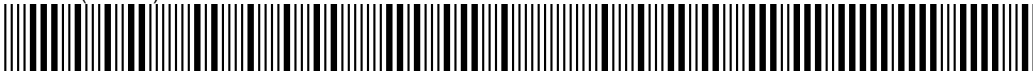
Row 2 (8 - 18)



Row 3 (19 - 29)



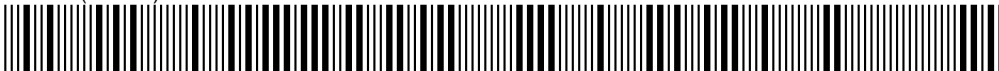
Row 4 (30 - 39)



Row 5 (39 - 43)



Row 6 (44 - 52)



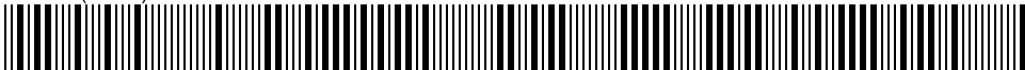
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Program Registers Needed: 10

Row 1 (1 - 6)



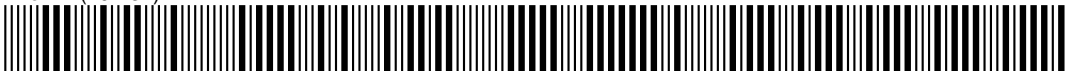
Row 2 (7 - 17)



Row 3 (18 - 28)



Row 4 (29 - 32)



Row 5 (32 - 39)

