

A6449
- A6454

Scan

J. Shallit
letter to NIAS

Oct 24 '75

~~one page only~~

6 pages

fa1 ✓

N. J. A. Sloane
2C-363 Bell Laboratories
600 Mountain Avenue
Murray Hill, New Jersey 07914

6449
6450

A-111 Princeton Inn
Princeton University
Princeton, N. J. 08540
October 24, 1975

6451
- 6454

Dear Mr. Sloane:

I am now a freshman at Princeton University. Please note my new address above.

I am enclosing seven sequences for your book, six new ones, and an extended version of an old one. I hope you will find these useful.

I realize that you are probably very busy, so please do not feel at all obligated to answer this letter.

Cordially yours,

Jeffrey Shallit

Jeffrey Shallit

√91

6450

PRIMES WITH PRIME SUBSCRIPTS REF JACM 22 380 75

3	5	11	17	31	41	59	67	83	109	127	157	179	191	211	241
	277	283	331	353	367	401	431	461	509	547	563	587			
	599	617	709	739	773	797	859	877	919	967	991	1031			
	1063	1087	1153	1171	1201	1217	1297	1409	1433	1447					
	1471	1499	1523	1597	1621	1669	1723	1741	1787	1823					
	1847	1913	2027	2063	2081	2099	2221	2269	2341	2351					
	2381	2417	2477	2549	2609	2647	2683	2719	2749	2803					

Sequence 982.5

Spas

S91 ✓

6451

Sequence 581.5 (A New Sequence)

- 2
- 5
- 15 REF
- 32 Technology
- 90 Review,
- 189
- 527
- 1104 ~~MISSING~~
- 3074 July/August
- 6437 1973
- 17919 p.74
- 37520
- 104442
- 218685
- 608735
- 1074592 ✓
- 3547970
- 7428869
- 20679087
- 43298624 (S9)
- 120526554
- 252362877
- 702480239
- 1470878640
- 4094354882
- 8572908965 (MISSING)
- 23863649055
- 49966575152
- 139087539450
- 291226541949
- 810661587647
- 1697392676544
- 4724881986434
- 9893129517317
- 27538630330959
- 57661384427360
- 160506899999322
- 336075177046845
- 935502769664975
- 1958789677853712
- 5452509717990530
- 11416662890075429
- 31779555538278207
- 66541187662598864
- 185224823511678714
- 387830463085517757
- 1079569385531794079
- 2260441590850507680

SOLUTION OF A DIOPHANTINE EQUATION ✓

Add 2

(S9)

MISSING

6452

Sequence 477.5

1 (A New
2 Sequence)

4

11

REF

23

64

Technology
Review

134

373

781

July/August

2174

4552

1973

12671

26531

p.74

73852

154634

430441

SOLUTION

901273

OF A

2508794

DIOPHANTINE

5253004

EQUATION

14622323

30616751

85225144

178447502

496728541

1040068261

2895146102

6061962064

16874148071

35331704123

98349742324

205928262674

573224305873

1200237871921

3340996092914

6995498968852

19472752251611

40772755941191

113495517416752

237641036678294

661500352248901

1385073464128573

3855506596076654

8072799748093144

22471539224211023

47051725024430291

130973728749189484

274237550398488602

763370833270925881

1598373577366501321

4449251270876365802

9316003913800519324

25932136791987268931

54297649905436614623

151143569481047247784

91

6453

Sequence 1432.S
(A New Sequence)

REF Technology Review
July / August 1973
p. 74

Solution of A
Diophantine Equation

- 1
- 4
- 16
- 121
- 529
- 4096
- 17956
- 139129
- 609961
- 4726276
- 20720704
- 160554241
- 703893961
- 5454117904
- 23911673956
- 185279454481
- 812293020529
- 6294047334436
- 27594051024016
- 213812329916329
- 937385441796001
- 7263325169820736
- 31843510970040004
- 246739243443988681
- 1081741987539564121
- 8381870951925794404
- 36747384065375140096
- 284736873122033021041
- 1248329316235215199129
- 9672671815197196920976
- 42406449367931941630276
- 328586104843582662292129
- 1440570949193450800230241
- 11162254892866613321011396
- 48937005823209395266197904
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- 12881232473696256575250229504
- 56473262313534274205250750436
- 437582716025420102288255707801
- 1918428501033125396990275016329
- 14864931112390587221225443835716

6454

Sequence 1218.5 (A New Sequence)

1 REF Technology Review
3 July/August 1973 p.74
15 Solution of a Diophantine
120 Equation
528
4095
17955
139128
609960
4726275
20720703
160554240
703893960
5454117903
23911673955
185279454480
812293020528
6294047334435
27594051024015
213812329916328
937385441796000
7263325169820735
31843510970040003
246739243443988680
1081741987539564120
8381870951925794403
36747384065375140095
284736873122033021040
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9672671815197196920975
42406449367931941630275
328586104843582662292128
1440570949193450800230240
11162254892866613321011395
48937005823209395266197903
379188080252621270252095320
1662417627039925988250498480
12881232473696256575250229503
56473262313534274205250750435
437582716025420102288255707800
1918428501033125396990275016328
14864931112390587221225443835715
65170095772812729223464099804735