

f91

~~New sequence~~

2968
5420

August 22, 1974.

Dr. Gerald B. Huff,
Department of Mathematics,
The University of Georgia,
ATHENS, Georgia 30601,
U. S. A.

Dear Dr. Huff:

Many thanks for sending two copies of your paper, "On pairings of the first $2n$ natural numbers". I checked the sequence $A(n)$ in your second paragraph against Neil Sloane's Handbook of Integer Sequences (Academic Press, 1973). It doesn't appear in the first edition of the book, but it is in "Supplement I", which he has been kind enough to send me in mimeographed form.

Sequence 1901.5 1,8,22,51,342,2609,16896,99114

2968

It refers to a queen-placing problem. You also mention this connection, but not the reference (SIAM Review 14 (1972), 173) which I haven't pursued so far.

I will copy this letter to Sloane and send him the second offprint of your paper. Thank you again for your help.

Yours sincerely,

Richard K. Guy.

RKG:bf

A5420
~~A4520~~

✓ c.c. N.J.A. Sloane.

22928

✓ done ✓

p.s. In sequence 1273.5 shouldn't the 3 be omitted? If you are going to include this (I am not strongly in favor) then you should perhaps also have 3,7,5,31,7,127,17,73,31,89,13,8191,127,151,257,131071,73,524287,41,337,683,178481,241,1801,8191,262657,127,2089,331,2147483647,65537,599479,131071,122921,109,616318177,524287,... largest prime factor of $2^{*n} - 1$. Reference to Cunningham's tables? (I haven't checked).

5420

R.

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New
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