Scan 5317

Peter C Fishburn

letter to NJAS

2 sides

one sequence

5317
3/3/87

f 91

Neil

Peter Fishburn to NJAS

n	a_n
1	2
2	5
3	14
4	43
5	142
6	494
7	1780
8	6563
9	24566
10	92890

Peter

(See other side)

Peter, I used this one — is there a reference for it?

Neil

Neil, ↓

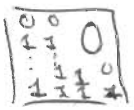
Not that I'm aware of.
It was derived in some notes on uniqueness for finite sets, done after the attached.
Maybe we can talk about this some time.
I'd like to pursue several ideas about it.

Peter

$$a_n = \frac{2^n + \binom{2n}{n}}{2}$$

= number of nonisomorphic sets of unigeneers in $\{1,\dots,n\} \times \{1,\dots,n\}$.

= no. of monotonic 1-0 matrices (1 lower left) $n \times n$



up to interchange of axes.

e.g.