

A3483

SCAN

Joseph Blum
letter

3 00

3483

Ent'd
(F)

f91

4701 Willard Ave.
Chevy Chase, Md. 20015
22 October 1974

Dr. Neil F. A. Sloane
Bell Labs
600 Mountain Ave
Murray Hill, New Jersey

Dear Dr. Sloane:

In response to your letter I'm pleased to send you a short table of values for $f(n)$ and Y_n which are correct to ten significant figures.

I am also including a copy of a computer listing which gives values of Y_n for $n=0, \dots, 79$ correct to ten significant figures.

Sincerely,
Joseph R. Baum

P.S. I have checked the values of $f(n)$ to see if they are published in your ~~Hand~~ book of Integer Sequences. I didn't find $f(n)$ tabulated.

4701 Willard Ave
Chevy Chase, Md. 20015
11 November 1974

Dear Dr. Sloane:

You are most welcome to include in the Supplement to your book the sequence I recently mailed to you. I will also indicate to my colleagues that you are interested in obtaining integral sequences of a combinatorial nature not found in the Handbook.

Sincerely,
Joseph D. Sloan

TABLE OF γ_n and $f(n)$.

n	γ_n	$f(n)$	$N1177.7$
1	0.5	3483 ²	1
2	0.5		1
3	0.375		3
4	0.35416 66667		12
5	0.30208 33333		60
6	0.29027 77778		270
7	0.25972 22222		1,890
8	0.25031 00198		14,280
9	0.23045 01488		128,520
10	0.22339 35461		1,096,200
11	0.20914 22095		12,058,200
12	0.20342 47495		139,043,520
13	0.19267 13522		1,807,565,760
14	0.18800 44748	2.2642	13952 E 10
15	0.17951 93111	3.3963	20928 E 11
16	0.17556 88439	5.2371	83952 E 12
17	0.16868 55572	8.9032	12718 E 13
18	0.16531 67733	1.4754	27973 E 15
19	0.15958 54175	2.8033	13149 E 16
20	0.15664 75548	5.4349	46069 E 17