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A134133 tabf array: partition numbers $M_3(2)/M_3 = A130561/A036040$, (called by W.L. internally M_9 numbers).

Partitions of n listed in Abramowitz-Stegun order p. 831-2 (see the main page for an A-number with the reference).

n\k	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	...
1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	6	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	24	6	4	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	120	24	12	6	4	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	720	120	48	36	24	12	8	6	4	2	1	0	0	0	0	0	0	0	0	0	0	0	0
7	5040	720	240	144	120	48	36	24	24	12	8	6	4	2	1	0	0	0	0	0	0	0	0
8	40320	5040	1440	720	576	720	240	144	96	72	120	48	36	24	16	24	12	8	6	4	2	1	
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.																							
n\k	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	...

The next two rows, for $n=9$ and 10 are:

$n=9$: [362880, 40320, 10080, 4320, 2880, 5040, 1440, 720, 576, 480, 288, 216, 720, 240, 144, 96, 72, 48, 120, 48, 36, 24, 16, 24, 12, 8, 6, 4, 2, 1]

$n=10$: [3628800, 362880, 80640, 30240, 17280, 14400, 40320, 10080, 4320, 2880, 2880, 1440, 1152, 864, 5040, 1440, 720, 576, 480, 288, 216, 192, 144, 720, 240, 144, 96, 72, 48, 32, 120, 48, 36, 24, 16, 24, 12, 8, 6, 4, 2, 1]

The row sums give $A077365(n)$, $n \geq 1$: [1, 3, 9, 37, 169, 981, 6429, 49669, 430861, 4208925, ...].

e.o.f.