

Wolfdieter Lang

a(n,k) tabf head (staircase) for A111786

(M_0 numbers: complete symmetric functions from elementary symmetric ones.)

Partitions of n listed in Abramowitz-Stegun order p. 831-2 (see the main page for the ref.)

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	-1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	1	-2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	-1	2	1	-3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	1	-2	-2	3	3	-4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	-1	2	2	1	-3	-6	-1	4	6	-5	1	0	0	0	0	0	0	0	0	0	0	0	0
7	1	-2	-2	-2	3	6	3	3	-4	-12	-4	5	10	-6	1	0	0	0	0	0	0	0	0
8	-1	2	2	2	1	-3	-6	-6	-3	-3	4	12	6	12	1	-5	-20	-10	6	15	-7	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	...

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As row sequences for n=1..10:

1. [1],
2. [-1, 1]
3. [1, -2, 1]
4. [-1, 2, 1, -3, 1]
5. [1, -2, -2, 3, 3, -4, 1]
6. [-1, 2, 2, 1, -3, -6, -1, 4, 6, -5, 1]
7. [1, -2, -2, -2, 3, 6, 3, 3, -4, -12, -4, 5, 10, -6, 1]
8. [-1, 2, 2, 2, 1, -3, -6, -6, -3, -3, 4, 12, 6, 12, 1, -5, -20, -10, 6, 15, -7, 1]
9. [1, -2, -2, -2, -2, 3, 6, 6, 3, 3, 6, 1, -4, -12, -12, -12, -12, -4, 5, 20, 10, 30, 5, -6, -30, -20, 7, 21, -8, 1]
10. [-1, 2, 2, 2, 2, 1, -3, -6, -6, -6, -3, -6, -3, -3, 4, 12, 12, 6, 12, 24, 4, 4, 6, -5, -20, -20, -30, -30, -20, -1, 6, 30, 15, 60, 15, -7, -42, -35, 8, 28, -9, 1]
- .
- .
- .

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The row sums are : [1,0,0,0,0,0,0,0,0,0,0,...

The unsigned row sums are: 2^(n-1) = A000079(n-1), n>=1.

e.o.f.

