

Triangle in A304236

k	0	1	2	3	4	5	6	7	8
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	Row Sum									
n	σ_n									
0	1	1								
1	1	1								
2	4	1	3							
3	7	1	6							
4	19	1	9	9						
5	40	1	12	27						
6	97	1	15	54	27					
7	217	1	18	90	108					
8	508	1	21	135	270	81				
9	1159	1	24	189	540	405				
10	2683	1	27	252	945	1215	243			
11	6160	1	30	324	1512	2835	1458			
12	14209	1	33	405	2268	5670	5103	729		
13	32689	1	36	495	3240	10206	13608	5103		
14	75316	1	39	594	4455	17010	30618	20412	2187	
15	173383	1	42	702	5940	26730	61236	61236	17496	
16	399331	1	45	819	7722	40095	112266	153090	78732	6561
17	919480	1	48	945	9828	57915	192456	336798	262440	59049

The sequence generated by the row sums is [A006130](#) and the limit of their ratio is

$$\lim_{n \rightarrow \infty} \left(\frac{\sigma_n}{\sigma_{n-1}} \right) \rightarrow 2.302775 \dots$$