Triangle in A317051

k	0	1	2	3	4	5	6	7	⋯

n	Row Sum σ_n								
0	1	1							
1	1	1							
2	10	1	9						
3	19	1	18						
4	109	1	27	81					
5	280	1	36	243					
6	1261	1	45	486	729				
7	3781	1	54	810	2916				
8	15130	1	63	1215	7290	6561			
9	49159	1	72	1701	14580	32805			
10	185329	1	81	2268	25515	98415	59049		
11	627760	1	90	2916	40824	229635	354294		
12	2295721	1	99	3645	61236	459270	1240029	531441	
13	7945561	1	108	4455	87480	826686	3306744	3720087	
14	28607050	1	117	5346	120285	1377810	7440174	14880348	4782969
⋮									

The row sums give A015445 (Generalized Fibonacci numbers), and the limit of their ratio is

$$\lim_{n\to\infty}\left(\frac{\sigma_n}{\sigma_{n-1}}\right) \to 3.5413812651491\ldots$$

REFERENCE:
Shara Lalo and Zagros Lalo, Polynomial Expansion Theorems and Number Triangles, Zana Publishing, 2018, ISBN: 978-1-9995914-0-3