

Triangle A318686

Center-justified Triangle of Coefficients in Expansion of $(1 - 2x^2 + x^3)^n$

Row	Sum
n	S_n
0	1
1	0
2	0
3	0
4	0
5	0
6	0
7	0

1																				
1				0				-2				1								
1			-4			2			4			-4		1						
1		-6		3		12		-12		-5		12		-6		1				
1	-8	4	24	-24	-26	48	-8	-28	24	-8	1									
1	-10	5	40	-40	-70	120	20	-150	88	40	-75	40	-10	1						
1	-12	6	60	-60	-145	240	120	-460	168	360	-401	48	180	-154	60	-12	1			
1	-14	7	84	-84	-259	420	350	-1085	168	1400	-1197	-504	1342	-651	-252	476	-273	84	-14	1

REFERENCE:

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