

A319095

Triangle of Coefficients in Expansion of $(1 + x + x^2 + 3x^3 + x^4 + x^5 + x^6 + x^7)^n$

Center-justified Triangle

Row Sum		
n	S_n	
0	1	1
1	10	1 1 1 3 1 1 1 1
2	100	1 2 3 8 9 10 15 12 11 10 9 4 3 2 1
3	1000	1 3 6 16 27 39 64 78 90 108 108 102 94 84 60 46 33 21 10 6 3 1
4	10000	1 4 10 28 59 104 188 288 401 556 686 796 899 944 928 880 803 668 542 420 305 200 132 80 43 20 10 4 1
5	100000	1 5 15 45 110 226 450 800 1290 2010 2886 3880 5030 6130 7090 7888 8380 8460 8220 7690 6826 5830 4790 3760 2790 2006 1370 880 530 310 166 80 35 15 5 1
6	1000000	1 6 21 68 186 432 942 1872 3393 5846 9417 14232 20592 28248 36876 46264 55554 63924 70854 75648 77604 76824 73464 67608 60026 51492 42582 33832 25968 19176 13572 9192 5997 3718 2181 1212 642 312 138 56 21 6 1

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