

a(n,m) tabl head (triangle) for A127677

Coefficient table of scaled Chebyshev  $2T(2n,x)$  polynomials, increasing even scaled powers, without zeros.

Also coefficients in the variable  $x^2$  of  $R(2n,x) := 2T(2n,x/2)$ ,  $n \geq 0$ . For the  $R(n,x)$  coefficients see A127672.

n\m	0	1	2	3	4	5	6	7	8	9 ...
0	2	0	0	0	0	0	0	0	0	0
1	-2	1	0	0	0	0	0	0	0	0
2	2	-4	1	0	0	0	0	0	0	0
3	-2	9	-6	1	0	0	0	0	0	0
4	2	-16	20	-8	1	0	0	0	0	0
5	-2	25	-50	35	-10	1	0	0	0	0
6	2	-36	105	-112	54	-12	1	0	0	0
7	-2	49	-196	294	-210	77	-14	1	0	0
8	2	-64	336	-672	660	-352	104	-16	1	0
9	-2	81	-540	1386	-1782	1287	-546	135	-18	1
.										
.										
.										

$2T(2n,x) = \sum(a(n,m) * (2x)^{(2m}), m=0..n).$   
 $R(2n,x) = \sum(a(n,m) * x^{(2m)}, m=0..n), n \geq 0.$

Row sums (signed):  $-A061347(n+3), n \geq 0$ : periodic [2, -1, -1] sequence with period 3.  
 Row sums (unsigned):  $A005248(n) = L(2n)$  (Lucas numbers with even index).

##### e.o.f. #####