A127672: Table of coefficients of Chebyshev T-polynomials with scaled argument.
Increasing powers of y, with zeros.
These are the monic Chebyshev T-polynomials (with 2 for n=0, not 1).

a(n,m) tabl head (triangle) for A127672.

Scaled coefficient triangle for Chebyshev's T(n,x) (increasing scaled powers).

T(n,x)= sum(a(n,m)*(2^(m-1))*x^m,m=0..n).

The row polynomials are R(n,x) = sum(a(n,m)*x^m,m=0..n) = 2*T(n,x/2), n>=0.

n\m	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15 ...
0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	-2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	-3	0	1	0	0	0	0	0	0	0	0	0	0	0	0
4	2	0	-4	0	1	0	0	0	0	0	0	0	0	0	0	0
5	0	5	0	-5	0	1	0	0	0	0	0	0	0	0	0	0
6	-2	0	9	0	-6	0	1	0	0	0	0	0	0	0	0	0
7	0	-7	0	14	0	-7	0	1	0	0	0	0	0	0	0	0
8	2	0	-16	0	20	0	-8	0	1	0	0	0	0	0	0	0
9	0	9	0	-30	0	27	0	-9	0	1	0	0	0	0	0	0
10	-2	0	25	0	-50	0	35	0	-10	0	1	0	0	0	0	0
11	0	-11	0	55	0	-77	0	44	0	-11	0	1	0	0	0	0
12	2	0	-36	0	105	0	-112	0	54	0	-12	0	1	0	0	0
13	0	13	0	-91	0	182	0	-156	0	65	0	-13	0	1	0	0
14	-2	0	49	0	-196	0	294	0	-210	0	77	0	-14	0	1	0
15	0	-15	0	140	0	-378	0	450	0	-275	0	90	0	-15	0	1
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Row sums (signed): [2, 1, -1, -2, -1, 1, 2, 1, -1, -2, -1, 1, 2, 1, -1, -2,...]= A057079(n-1).

Row sums (unsigned): [2, 1, 3, 4, 7, 11, 18, 29, 47, 76, 123, 199, 322, 521,...]= A000032(n) (Lucas numbers).

Bisection: Triangle of even numbered rows (without zeros): A127677.
Unsigned triangle of odd numbered rows (without zeros): A111125.

The polynomials R(n,x) are, for n=0..15:

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 n=0:   2
 n=1:   x
 n=2:  -2+x^2
 n=3:  -3*x+x^3
 n=4:   2-4*x^2+x^4
 n=5:   5*x-5*x^3+x^5
 n=6:  -2+9*x^2-6*x^4+x^6
 n=7:  -7*x+14*x^3-7*x^5+x^7
 n=8:   2-16*x^2+20*x^4-8*x^6+x^8
 n=9:   9*x-30*x^3+27*x^5-9*x^7+x^9
 n=10: -2+25*x^2-50*x^4+35*x^6-10*x^8+x^10
 n=11: -11*x+55*x^3-77*x^5+44*x^7-11*x^9+x^11
 n=12:  2-36*x^2+105*x^4-112*x^6+54*x^8-12*x^10+x^12
 n=13:  13*x-91*x^3+182*x^5-156*x^7+65*x^9-13*x^11+x^13
 n=14: -2+49*x^2-196*x^4+294*x^6-210*x^8+77*x^10-14*x^12+x^14
 n=15: -15*x+140*x^3-378*x^5+450*x^7-275*x^9+90*x^11-15*x^13+x^15
 etc.
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