```
A216695: SEQUENCE {0,0,2,2,4,10,12,18,26,56,64,100,132,192,350,434,616,850,1176,1554,2750,3296,4756,6292,8760,...}

Number of ways in which a(n) can be written as sum of 2 or more different non-zero positive integers.
// Permutations counted separately.

Example:
a(6)=10  because 6 = 1+5 = 2+4 = 4+2 = 5+1 = 1+2+3 = 1+3+2 = 2+1+3 = 2+3+1 = 3+1+2 = 3+2+1 (10 ways)

César Eliud Lozada, Sep 16 2012

==================================================================================================================
Sum = 1      Total = 0
==================================================================================================================
Sum = 2      Total = 0
==================================================================================================================
Sum = 3      Total = 2
(1,2) (2,1)
==================================================================================================================
Sum = 4      Total = 2
(1,3) (3,1)
==================================================================================================================
Sum = 5      Total = 4
(1,4) (2,3) (3,2) (4,1)
==================================================================================================================
Sum = 6      Total = 10
(1,5) (2,4) (4,2) (5,1) (1,2,3) (1,3,2) (2,1,3) (2,3,1) (3,1,2) (3,2,1)
==================================================================================================================
Sum = 7      Total = 12
(1,6) (2,5) (3,4) (4,3) (5,2) (6,1) (1,2,4) (1,4,2) (2,1,4) (2,4,1) (4,1,2) (4,2,1)
==================================================================================================================
Sum = 8      Total = 18
(1,7) (2,6) (3,5) (5,3) (6,2) (7,1) (1,2,5) (1,3,4) (1,4,3) (1,5,2) (2,1,5) (2,5,1) (3,1,4) (3,4,1) (4,1,3)
(4,3,1) (5,1,2) (5,2,1)
==================================================================================================================
Sum = 9      Total = 26
(1,8) (2,7) (3,6) (4,5) (5,4) (6,3) (7,2) (8,1) (1,2,6) (1,3,5) (1,5,3) (1,6,2) (2,1,6) (2,3,4) (2,4,3)
(2,6,1) (3,1,5) (3,2,4) (3,4,2) (3,5,1) (4,2,3) (4,3,2) (5,1,3) (5,3,1) (6,1,2) (6,2,1)
==================================================================================================================
Sum = 10     Total = 56
(1,9) (2,8) (3,7) (4,6) (6,4) (7,3) (8,2) (9,1) (1,2,7) (1,3,6) (1,4,5) (1,5,4) (1,6,3) (1,7,2) (2,1,7)
(2,3,5) (2,5,3) (2,7,1) (3,1,6) (3,2,5) (3,5,2) (3,6,1) (4,1,5) (4,5,1) (5,1,4) (5,2,3) (5,3,2) (5,4,1)
(6,1,3) (6,3,1) (7,1,2) (7,2,1) (1,2,3,4) (1,2,4,3) (1,3,2,4) (1,3,4,2) (1,4,2,3) (1,4,3,2) (2,1,3,4)
(2,1,4,3) (2,3,1,4) (2,3,4,1) (2,4,1,3) (2,4,3,1) (3,1,2,4) (3,1,4,2) (3,2,1,4) (3,2,4,1) (3,4,1,2) (3,4,2,1)
(4,1,2,3) (4,1,3,2) (4,2,1,3) (4,2,3,1) (4,3,1,2) (4,3,2,1)
==================================================================================================================
Sum = 11     Total = 64
(1,10) (2,9) (3,8) (4,7) (5,6) (6,5) (7,4) (8,3) (9,2) (10,1) (1,2,8) (1,3,7) (1,4,6) (1,6,4) (1,7,3)
(1,8,2) (2,1,8) (2,3,6) (2,4,5) (2,5,4) (2,6,3) (2,8,1) (3,1,7) (3,2,6) (3,6,2) (3,7,1) (4,1,6) (4,2,5)
(4,5,2) (4,6,1) (5,2,4) (5,4,2) (6,1,4) (6,2,3) (6,3,2) (6,4,1) (7,1,3) (7,3,1) (8,1,2) (8,2,1) (1,2,3,5)
(1,2,5,3) (1,3,2,5) (1,3,5,2) (1,5,2,3) (1,5,3,2) (2,1,3,5) (2,1,5,3) (2,3,1,5) (2,3,5,1) (2,5,1,3) (2,5,3,1)
(3,1,2,5) (3,1,5,2) (3,2,1,5) (3,2,5,1) (3,5,1,2) (3,5,2,1) (5,1,2,3) (5,1,3,2) (5,2,1,3) (5,2,3,1) (5,3,1,2)
(5,3,2,1)
==================================================================================================================
Sum = 12     Total = 100
(1,11) (2,10) (3,9) (4,8) (5,7) (7,5) (8,4) (9,3) (10,2) (11,1) (1,2,9) (1,3,8) (1,4,7) (1,5,6) (1,6,5)
(1,7,4) (1,8,3) (1,9,2) (2,1,9) (2,3,7) (2,4,6) (2,6,4) (2,7,3) (2,9,1) (3,1,8) (3,2,7) (3,4,5) (3,5,4)
(3,7,2) (3,8,1) (4,1,7) (4,2,6) (4,3,5) (4,5,3) (4,6,2) (4,7,1) (5,1,6) (5,3,4) (5,4,3) (5,6,1) (6,1,5)
(6,2,4) (6,4,2) (6,5,1) (7,1,4) (7,2,3) (7,3,2) (7,4,1) (8,1,3) (8,3,1) (9,1,2) (9,2,1) (1,2,3,6) (1,2,4,5)
(1,2,5,4) (1,2,6,3) (1,3,2,6) (1,3,6,2) (1,4,2,5) (1,4,5,2) (1,5,2,4) (1,5,4,2) (1,6,2,3) (1,6,3,2) (2,1,3,6)
(2,1,4,5) (2,1,5,4) (2,1,6,3) (2,3,1,6) (2,3,6,1) (2,4,1,5) (2,4,5,1) (2,5,1,4) (2,5,4,1) (2,6,1,3) (2,6,3,1)
(3,1,2,6) (3,1,6,2) (3,2,1,6) (3,2,6,1) (3,6,1,2) (3,6,2,1) (4,1,2,5) (4,1,5,2) (4,2,1,5) (4,2,5,1) (4,5,1,2)
(4,5,2,1) (5,1,2,4) (5,1,4,2) (5,2,1,4) (5,2,4,1) (5,4,1,2) (5,4,2,1) (6,1,2,3) (6,1,3,2) (6,2,1,3) (6,2,3,1)
(6,3,1,2) (6,3,2,1)
==================================================================================================================
Sum = 13     Total = 132
(1,12) (2,11) (3,10) (4,9) (5,8) (6,7) (7,6) (8,5) (9,4) (10,3) (11,2) (12,1) (1,2,10) (1,3,9) (1,4,8)
(1,5,7) (1,7,5) (1,8,4) (1,9,3) (1,10,2) (2,1,10) (2,3,8) (2,4,7) (2,5,6) (2,6,5) (2,7,4) (2,8,3) (2,10,1)
(3,1,9) (3,2,8) (3,4,6) (3,6,4) (3,8,2) (3,9,1) (4,1,8) (4,2,7) (4,3,6) (4,6,3) (4,7,2) (4,8,1) (5,1,7)
(5,2,6) (5,6,2) (5,7,1) (6,2,5) (6,3,4) (6,4,3) (6,5,2) (7,1,5) (7,2,4) (7,4,2) (7,5,1) (8,1,4) (8,2,3)
(8,3,2) (8,4,1) (9,1,3) (9,3,1) (10,1,2) (10,2,1) (1,2,3,7) (1,2,4,6) (1,2,6,4) (1,2,7,3) (1,3,2,7) (1,3,4,5)
(1,3,5,4) (1,3,7,2) (1,4,2,6) (1,4,3,5) (1,4,5,3) (1,4,6,2) (1,5,3,4) (1,5,4,3) (1,6,2,4) (1,6,4,2) (1,7,2,3)
(1,7,3,2) (2,1,3,7) (2,1,4,6) (2,1,6,4) (2,1,7,3) (2,3,1,7) (2,3,7,1) (2,4,1,6) (2,4,6,1) (2,6,1,4) (2,6,4,1)
(2,7,1,3) (2,7,3,1) (3,1,2,7) (3,1,4,5) (3,1,5,4) (3,1,7,2) (3,2,1,7) (3,2,7,1) (3,4,1,5) (3,4,5,1) (3,5,1,4)
(3,5,4,1) (3,7,1,2) (3,7,2,1) (4,1,2,6) (4,1,3,5) (4,1,5,3) (4,1,6,2) (4,2,1,6) (4,2,6,1) (4,3,1,5) (4,3,5,1)
(4,5,1,3) (4,5,3,1) (4,6,1,2) (4,6,2,1) (5,1,3,4) (5,1,4,3) (5,3,1,4) (5,3,4,1) (5,4,1,3) (5,4,3,1) (6,1,2,4)
(6,1,4,2) (6,2,1,4) (6,2,4,1) (6,4,1,2) (6,4,2,1) (7,1,2,3) (7,1,3,2) (7,2,1,3) (7,2,3,1) (7,3,1,2) (7,3,2,1)
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