

# Generating Functions for Coordination Sequences of Zeolites after Grosse-Kunstleve, Brunner, and Sloane

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This document gives explicit generating functions for the coordination sequences of zeolites. For details concerning the method of determination see [1]. In particular, the required generating functions can be expressed in the form

$$\text{GF} = \sum_{i=0}^{O(IT)-1} IT(i)x^i \Big/ \prod_{i=0}^{O(PL)-1} (1 - x^{PL(i)}),$$

where  $IT$  is a set of order  $O(IT)$  ‘initial terms’ and  $PL$  is a set of (not necessarily distinct)  $O(PL)$  ‘period lengths’.

Due to the number of terms in  $IT$  for many of the zeolites, we abbreviate the generating functions by listing the sequences for  $IT$  and  $PL$ . So, for example, for the zeolite ABW, we write

$$\frac{1, 3, 6, 9, 9, 6, 3, 1}{1, 3, 3}$$

as an abbreviation for

$$\frac{1 + 3x + 6x^2 + 9x^3 + 9x^4 + 6x^5 + 3x^6 + x^7}{(1-x)(1-x^3)^2}$$

Although these sequences primarily concern zeolites, coordination sequences for certain other dense  $\text{SiO}_2$  polymorphs and non-tetrahedral structures are included. The list includes many structures determined after the publication of [1].

## References

- [1] R. W. Grosse-Kunstleve, G. O. Brunner, and N. J. A. Sloane. Algebraic description of coordination sequences and exact topological densities for zeolites. *Acta Cryst.*, A52:879–889, 1996.

**A005893 SOD T1**  $O(IT) = 4, O(PL) = 3$

$$\frac{1, 1, 1, 1}{1, 1, 1}$$

**A005897 NiAs (1) Ni (also W (1))**  $O(IT) = 4, O(PL) = 3$

$$\frac{1, 5, 5, 1}{1, 1, 1}$$

**A005899 NaCl**  $O(IT) = 4, O(PL) = 3$

$$\frac{1, 3, 3, 1}{1, 1, 1}$$

**A005901 Cu**  $O(IT) = 4, O(PL) = 3$

$$\frac{1, 9, 9, 1}{1, 1, 1}$$

**A005914 W (2)**  $O(IT) = 4, O(PL) = 3$

$$\frac{1, 11, 11, 1}{1, 1, 1}$$

**A007899  $\alpha$ -Nd Nd2 (also Mg)**  $O(IT) = 5, O(PL) = 3$

$$\frac{1, 10, 20, 10, 1}{1, 1, 2}$$

**A008000 ABW T1 (also ATN T1)**  $O(IT) = 8, O(PL) = 3$

$$\frac{1, 3, 6, 9, 9, 6, 3, 1}{1, 3, 3}$$

**A008001 AEI T1**  $O(IT) = 36, O(PL) = 4$

$$\frac{1, 4, 9, 16, 25, 35, 43, 47, 50, 54, 56, 54, 50, 45, 37, 26, 14, 4, -4, -14, -26, -37, -45, -50, -54, -56, -54, -50, -47, -43, -35, -25, -16, -9, -4, -1}{3, 5, 11, 16}$$

**A008002 AEI T2**  $O(IT) = 37, O(PL) = 4$

$$\frac{1, 4, 9, 17, 29, 44, 61, 79, 95, 110, 124, 131, 131, 127, 115, 92, 65, 36, 0, -36, -65, -92, -115, -127, -131, -131, -124, -110, -95, -79, -61, -44, -29, -17, -9, -4, -1}{5, 8, 11, 12}$$

**A008003 AEI T3**  $O(IT) = 45, O(PL) = 4$

$$\frac{1, 4, 9, 17, 29, 44, 61, 78, 96, 114, 131, 148, 161, 171, 176, 173, 163, 145, 123, 98, 66, 32, 0, -32, -66, -98, -123, -145, -163, -173, -176, -171, -161, -148, -131, -114, -96, -78, -61, -44, -29, -17, -9, -4, -1}{5, 11, 12, 16}$$

**A008004 AEL T1**  $O(IT) = 33, O(PL) = 3$

$$\frac{1, 4, 11, 21, 37, 59, 84, 110, 138, 164, 184, 199, 209, 217, 221, 220, 218, 220, 221, 217, 209, 199, 184, 164, 138, 110, 84, 59, 37, 21, 11, 4, 1}{6, 8, 18}$$

**A008005 AEL T2**  $O(IT) = 29, O(PL) = 3$

$$\frac{1, 4, 11, 22, 37, 54, 73, 89, 99, 108, 112, 111, 111, 109, 106, 109, 111, 111, 112, 108, 99, 89, 73, 54, 37, 22, 11, 4, 1}{4, 6, 18}$$

**A008006 AEL T3**  $O(IT) = 33, O(PL) = 3$

$$\frac{1, 4, 12, 24, 40, 59, 83, 111, 137, 158, 178, 199, 212, 216, 219, 223, 224, 223, 219, 216, 212, 199, 178, 158, 137, 111, 83, 59, 40, 24, 12, 4, 1}{6, 8, 18}$$

**A008007 AET T1**  $O(IT) = 67, O(PL) = 4$

$$\frac{1, 4, 11, 21, 35, 53, 78, 108, 140, 172, 208, 250, 301, 355, 405, 448, 484, 520, 553, 582, 599, 601, 590, 573, 552, 526, 484, 430, 365, 297, 227, 154, 79, 0, -79, -154, -227, -297, -365, -430, -484, -526, -552, -573, -590, -601, -599, -582, -553, -520, -484, -448, -405, -355, -301, -250, -208, -172, -140, -108, -78, -53, -35, -21, -11, -4, -1}{12, 14, 16, 24}$$

**A008008 AET T2**  $O(IT) = 67, O(PL) = 4$

$$\frac{1, 4, 11, 21, 35, 52, 74, 102, 136, 172, 212, 257, 306, 354, 400, 445, 488, 529, 563, 587, 595, 592, 584, 575, 558, 530, 482, 421, 354, 292, 232, 164, 85, 0, -85, -164, -232, -292, -354, -421, -482, -530, -558, -575, -584, -592, -595, -587, -563, -529, -488, -445, -400, -354, -306, -257, -212, -172, -136, -102, -74, -52, -35, -21, -11, -4, -1}{12, 14, 16, 24}$$

**A008009 AET T3**  $O(IT) = 67, O(PL) = 4$

1, 4, 11, 22, 38, 55, 74, 98, 132, 173, 216, 260, 305, 349, 396, 447, 497, 536, 558, 573,  
583, 592, 594, 584, 559, 523, 475, 422, 363, 300, 229, 152, 75, 0, -75, -152, -229, -300,  
-363, -422, -475, -523, -559, -584, -594, -592, -583, -573, -558, -536, -497,  
-447, -396, -349, -305, -260, -216, -173, -132, -98, -74, -55, -38, -22, -11,  
-4, -1

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12, 14, 16, 24

**A008010 AET T4**  $O(IT) = 47, O(PL) = 3$

1, 4, 12, 23, 36, 52, 75, 103, 134, 168, 203, 235, 267, 302, 337, 368, 392, 412, 431, 448,  
459, 465, 467, 468, 465, 459, 448, 431, 412, 392, 368, 337, 302, 267, 235, 203, 168,  
134, 103, 75, 52, 36, 23, 12, 4, 1

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8, 14, 24

**A008011 AET T5**  $O(IT) = 72, O(PL) = 4$

1, 4, 10, 18, 32, 52, 76, 105, 140, 171, 202, 244, 299, 357, 409, 450, 483, 517, 552, 588,  
610, 611, 596, 576, 555, 531, 491, 435, 365, 297, 231, 160, 82, 0, -80, -158, -231, -298,  
-367, -435, -491, -531, -553, -573, -592, -609, -612, -593, -556, -517, -483,  
-451, -411, -361, -299, -241, -200, -171, -144, -110, -76, -47, -28, -17, -10,  
-4, 1, 3, 0, -2, -2, -1

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12, 14, 16, 24

**A008012 AFG T1**  $O(IT) = 27, O(PL) = 3$

1, 3, 6, 10, 14, 18, 20, 21, 22, 21, 19, 19, 22, 24, 22, 19, 19, 21, 22, 21, 20, 18, 14, 10, 6,  
3, 1

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1, 5, 20

**A008013 AFG T2 (also CAN T1, LIO T2, LOS T2, CAN T1, TOL T1, TOL T3, TOL T6, TOL T7)**  $O(IT) = 12, O(PL) = 3$

1, 3, 6, 10, 14, 18, 18, 14, 10, 6, 3, 1  
1, 5, 5

**A008014 AFI T1**  $O(IT) = 13, O(PL) = 3$

1, 2, 4, 3, 4, 4, 6, 4, 4, 3, 4, 2, 1  
1, 1, 10

**A008015 AFO T1**  $O(IT) = 35, O(PL) = 3$

1, 4, 11, 22, 38, 58, 84, 111, 138, 168, 197, 222, 247, 272, 293, 310, 321, 326, 321, 310,  
293, 272, 247, 222, 197, 168, 138, 111, 84, 58, 38, 22, 11, 4, 1

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6, 12, 16

**A008016 AFO T2**  $O(IT) = 49, O(PL) = 4$

1, 4, 11, 22, 41, 65, 88, 111, 144, 182, 220, 259, 293, 322, 345, 363, 369, 359, 334, 302,  
256, 200, 140, 75, 0, -75, -140, -200, -256, -302, -334, -359, -369, -363, -345,  
-322, -293, -259, -220, -182, -144, -111, -88, -65, -41, -22, -11, -4, -1

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8, 12, 12, 16

**A008017 AFO T3**  $O(IT) = 49, O(PL) = 4$

1, 4, 11, 21, 36, 56, 82, 115, 155, 191, 220, 253, 294, 332, 355, 362, 359, 354, 336, 305,  
254, 195, 138, 76, 0, -76, -138, -195, -254, -305, -336, -354, -359, -362, -355,  
-332, -294, -253, -220, -191, -155, -115, -82, -56, -36, -21, -11, -4, -1

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8, 12, 12, 16

**A008018 AFO T4**  $O(IT) = 49, O(PL) = 4$

1, 4, 12, 23, 37, 55, 82, 118, 154, 185, 220, 259, 295, 327, 350, 359, 357, 357, 342, 304,  
254, 200, 134, 65, 0, -65, -134, -200, -254, -304, -342, -357, -357, -359, -350,  
-327, -295, -259, -220, -185, -154, -118, -82, -55, -37, -23, -12, -4, -1

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8, 12, 12, 16

**A008019 AFR T1**  $O(IT) = 85, O(PL) = 6$

1, 4, 9, 15, 23, 34, 47, 60, 68, 69, 68, 72, 80, 81, 68, 51, 46, 47, 33, 0, -34, -49, -52, -67,  
-100, -132, -146, -150, -160, -181, -203, -208, -194, -174, -159, -151, -142,  
-118, -77, -40, -16, 6, 39, 85, 124, 144, 153, 159, 169, 187, 205, 203, 182, 164, 158,  
152, 129, 92, 61, 51, 50, 36, 8, -24, -46, -53, -59, -71, -82, -82, -71, -62, -64,  
-69, -63, -48, -35, -27, -19, -7, 3, 5, 0, -4, -2

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3, 7, 13, 15, 20, 23

**A008020 AFR T2**  $O(IT) = 62, O(PL) = 5$

1, 4, 9, 17, 26, 34, 46, 59, 64, 67, 74, 78, 75, 68, 63, 62, 57, 43, 21, -7, -29, -36, -40,  
-56, -81, -96, -93, -88, -95, -114, -133, -133, -114, -95, -88, -93, -96, -81,  
-56, -40, -36, -29, -7, 21, 43, 57, 62, 63, 68, 75, 78, 74, 67, 64, 59, 46, 34, 26, 17, 9,  
4, 1

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3, 7, 13, 15, 23

**A008021 AFR T3**  $O(IT) = 62, O(PL) = 5$

1, 4, 9, 17, 25, 33, 48, 63, 66, 64, 67, 73, 77, 76, 69, 58, 47, 40, 31, 6, -28, -49, -53,  
-56, -69, -83, -91, -99, -108, -116, -122, -122, -116, -108, -99, -91, -83, -69,  
-56, -53, -49, -28, 6, 31, 40, 47, 58, 69, 76, 77, 73, 67, 64, 66, 63, 48, 33, 25, 17, 9, 4,  
1

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3, 7, 13, 15, 23

**A008022 AFR T4**  $O(IT) = 62, O(PL) = 5$

1, 4, 10, 16, 24, 37, 48, 57, 66, 69, 67, 70, 78, 77, 65, 56, 54, 46, 23, -3, -23, -40, -54,  
-62, -68, -82, -96, -98, -101, -114, -127, -127, -114, -101, -98, -96, -82, -68,  
-62, -54, -40, -23, -3, 23, 46, 54, 56, 65, 77, 78, 70, 67, 69, 66, 57, 48, 37, 24, 16, 10,  
4, 1

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3, 7, 13, 15, 23

**A008023 AFS T1**  $O(IT) = 47, O(PL) = 5$

1, 4, 9, 16, 23, 29, 34, 39, 44, 41, 30, 21, 12, -3, -18, -29, -38, -44, -48, -52, -56,  
-62, -65, -59, -48, -37, -29, -22, -11, 6, 22, 38, 52, 51, 40, 31, 28, 26, 20, 9, -1,  
-5, -4, 0, 2, 2, 1

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3, 4, 8, 10, 16

**A008024 AFS T2**  $O(IT) = 52, O(PL) = 4$

1, 4, 9, 16, 25, 39, 61, 86, 108, 130, 153, 174, 201, 233, 249, 247, 242, 230, 206, 182, 159,  
124, 71, 6, -57, -108, -145, -173, -204, -239, -261, -266, -261, -240, -208, -183,  
-163, -137, -107, -76, -48, -30, -21, -15, -8, 0, 5, 3, -3, -6, -4, -1

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8, 10, 12, 16

**A008025 AFS T3 (also BPH T3)**  $O(IT) = 39, O(PL) = 4$

1, 4, 9, 18, 30, 43, 62, 85, 103, 127, 161, 177, 181, 187, 167, 135, 128, 111, 56, 0, -56,  
-111, -128, -135, -167, -187, -181, -177, -161, -127, -103, -85, -62, -43, -30,  
-18, -9, -4, -1

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8, 8, 10, 12

**A008026 AFT T1**  $O(IT) = 31, O(PL) = 3$

1, 4, 9, 17, 28, 40, 51, 59, 64, 67, 68, 68, 69, 73, 79, 82, 79, 73, 69, 68, 68, 67, 64, 59, 51,  
40, 28, 17, 9, 4, 1

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4, 5, 21

**A008027 AFT T2**  $O(IT) = 31, O(PL) = 3$

1, 4, 9, 17, 28, 40, 51, 60, 67, 71, 73, 74, 72, 69, 68, 68, 68, 69, 72, 74, 73, 71, 67, 60, 51,  
40, 28, 17, 9, 4, 1

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4, 5, 21

**A008028 AFT T3**  $O(IT) = 31, O(PL) = 3$

1, 4, 9, 17, 28, 40, 52, 62, 67, 68, 69, 72, 74, 72, 69, 68, 69, 72, 74, 72, 69, 68, 67, 62, 52,  
40, 28, 17, 9, 4, 1

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4, 5, 21

**A008029 AFY T1**  $O(IT) = 20, O(PL) = 3$

1, 4, 8, 14, 24, 34, 40, 45, 49, 47, 40, 29, 14, 3, -1, -3, -2, 2, 3, 1

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4, 5, 6

**A008030 AFY T2**  $O(IT) = 19, O(PL) = 4$

1, 4, 9, 15, 18, 20, 27, 31, 21, 0, -21, -31, -27, -20, -18, -15, -9, -4, -1

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3, 4, 5, 6

**A008031 ANA T1**  $O(IT) = 17, O(PL) = 3$

1, 3, 6, 12, 17, 20, 24, 25, 23, 22, 19, 11, 5, 5, -1, -2, 2

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1, 5, 8

- A008032 APC T1**  $O(IT) = 31, O(PL) = 3$   
 $\frac{1, 4, 9, 19, 35, 52, 71, 93, 112, 128, 142, 147, 142, 132, 116, 97, 78, 58, 40, 24, 11, 5, 2, -1, -1, -1, -3, -3, -2, -2, -1}{5, 8, 9}$
- A008033 APC T2**  $O(IT) = 16, O(PL) = 3$   
 $\frac{1, 3, 6, 10, 15, 18, 19, 22, 22, 19, 18, 15, 10, 6, 3, 1}{1, 5, 9}$
- A008034 APD T1**  $O(IT) = 32, O(PL) = 4$   
 $\frac{1, 4, 10, 20, 33, 47, 61, 74, 83, 88, 86, 76, 60, 39, 15, -11, -35, -57, -74, -84, -89, -87, -78, -66, -51, -35, -22, -10, -2, 1, 2, 1}{3, 7, 8, 11}$
- A008035 APD T2**  $O(IT) = 22, O(PL) = 3$   
 $\frac{1, 4, 11, 21, 34, 48, 61, 74, 84, 92, 96, 96, 92, 84, 74, 61, 48, 34, 21, 11, 4, 1}{3, 7, 11}$
- A008036 AST T1**  $O(IT) = 16, O(PL) = 4$   
 $\frac{1, 4, 9, 18, 27, 27, 20, 8, -8, -20, -27, -27, -18, -9, -4, -1}{3, 4, 4, 4}$
- A008037 AST T2**  $O(IT) = 16, O(PL) = 4$   
 $\frac{1, 4, 12, 17, 21, 28, 24, 9, -9, -24, -28, -21, -17, -12, -4, -1}{3, 4, 4, 4}$
- A008038 ATS T1**  $O(IT) = 19, O(PL) = 3$   
 $\frac{1, 4, 10, 19, 30, 44, 58, 69, 76, 75, 68, 58, 42, 23, 10, 2, -5, -6, -2}{5, 5, 6}$
- A008039 ATS T2**  $O(IT) = 14, O(PL) = 3$   
 $\frac{1, 4, 10, 19, 28, 37, 45, 45, 37, 28, 19, 10, 4, 1}{3, 5, 5}$
- A008040 ATS T3**  $O(IT) = 17, O(PL) = 3$   
 $\frac{1, 4, 10, 19, 32, 49, 63, 72, 76, 72, 63, 49, 32, 19, 10, 4, 1}{5, 5, 6}$
- A008041 ATT T1**  $O(IT) = 23, O(PL) = 4$   
 $\frac{1, 4, 9, 18, 32, 47, 59, 64, 59, 47, 28, 0, -28, -47, -59, -64, -59, -47, -32, -18, -9, -4, -1}{4, 5, 6, 7}$
- A008042 ATT T2**  $O(IT) = 23, O(PL) = 4$   
 $\frac{1, 4, 10, 21, 33, 43, 55, 64, 61, 47, 26, 0, -26, -47, -61, -64, -55, -43, -33, -21, -10, -4, -1}{4, 5, 6, 7}$
- A008043 ATV T1**  $O(IT) = 20, O(PL) = 3$   
 $\frac{1, 3, 7, 11, 18, 24, 28, 29, 35, 40, 40, 35, 29, 28, 24, 18, 11, 7, 3, 1}{1, 8, 10}$
- A008044 ATV T2**  $O(IT) = 20, O(PL) = 3$   
 $\frac{1, 3, 8, 13, 17, 19, 27, 34, 37, 37, 37, 37, 34, 27, 19, 17, 13, 8, 3, 1}{1, 8, 10}$
- A008045 AWW T1**  $O(IT) = 18, O(PL) = 3$   
 $\frac{1, 3, 6, 10, 13, 17, 22, 25, 27, 27, 25, 22, 17, 13, 10, 6, 3, 1}{1, 7, 9}$
- A008046 AWW T2**  $O(IT) = 29, O(PL) = 3$   
 $\frac{1, 4, 9, 17, 30, 50, 74, 96, 118, 144, 168, 181, 184, 182, 173, 154, 128, 101, 75, 49, 26, 11, 4, -1, -4, 0, 5, 4, 1}{7, 8, 9}$

**A008047 BIK T1**  $O(IT) = 20, O(PL) = 5$

1, 4, 12, 21, 32, 35, 16, -17, -53, -74, -69, -39, 6, 39, 42, 29, 14, 4, -1, -2  
3, 3, 4, 4, 4

**A008048 BIK T2**  $O(IT) = 19, O(PL) = 5$

1, 4, 12, 24, 31, 30, 15, -12, -55, -76, -67, -36, 11, 30, 43, 32, 12, 4, -3  
3, 3, 4, 4, 4

**A008049 BOG T1**  $O(IT) = 84, O(PL) = 7$

1, 4, 10, 19, 32, 50, 70, 91, 109, 122, 137, 143, 134, 123, 93, 37, -17, -68, -135, -208, -267, -321, -373, -412, -427, -421, -412, -380, -330, -277, -186, -82, 1, 108, 238, 339, 424, 514, 581, 622, 629, 609, 591, 525, 420, 334, 227, 106, 20, -80, -196, -268, -328, -391, -413, -418, -422, -402, -381, -338, -264, -204, -137, -64, -16, 34, 93, 120, 132, 153, 144, 118, 106, 89, 69, 53, 33, 17, 10, 4, -2, -1, 2, 1  
5, 8, 10, 11, 11, 16, 19

**A008050 BOG T2**  $O(IT) = 81, O(PL) = 7$

1, 4, 10, 20, 32, 47, 70, 94, 110, 123, 136, 145, 140, 113, 79, 47, -4, -77, -146, -205, -265, -323, -375, -408, -415, -419, -420, -392, -329, -252, -180, -99, 7, 121, 224, 326, 434, 525, 583, 609, 616, 612, 582, 522, 434, 328, 225, 120, 6, -97, -178, -253, -329, -390, -419, -420, -417, -409, -374, -323, -267, -205, -145, -78, -5, 48, 80, 113, 140, 145, 136, 123, 110, 94, 70, 47, 32, 20, 10, 4, 1  
5, 8, 10, 11, 11, 16, 19

**A008051 BOG T3**  $O(IT) = 94, O(PL) = 7$

1, 4, 11, 19, 34, 49, 67, 87, 113, 124, 133, 146, 140, 133, 104, 77, 43, -10, -55, -85, -142, -198, -222, -272, -318, -331, -362, -389, -400, -414, -393, -357, -326, -242, -165, -118, 6, 115, 175, 298, 386, 415, 477, 530, 543, 576, 555, 541, 544, 463, 413, 399, 288, 174, 126, -1, -107, -162, -254, -315, -355, -405, -396, -407, -354, -329, -328, -261, -217, -208, -142, -79, -59, -8, 40, 76, 107, 125, 139, 154, 134, 119, 116, 85, 66, 55, 33, 17, 11, 5, -2, 1, 1  
5, 8, 10, 11, 16, 19, 22

**A008052 BOG T4**  $O(IT) = 81, O(PL) = 7$

1, 4, 11, 21, 32, 48, 70, 90, 106, 126, 139, 142, 138, 115, 84, 43, -13, -71, -138, -211, -264, -314, -380, -415, -416, -425, -411, -373, -335, -263, -182, -103, 9, 129, 234, 337, 419, 496, 590, 624, 611, 623, 590, 498, 420, 335, 235, 131, 8, -104, -182, -263, -335, -373, -412, -424, -415, -416, -380, -313, -263, -212, -139, -71, -12, 42, 83, 116, 138, 141, 139, 127, 106, 90, 70, 48, 32, 21, 11, 4, 1  
5, 8, 10, 11, 11, 16, 19

**A008053 BOG T5**  $O(IT) = 83, O(PL) = 7$

1, 4, 11, 20, 31, 52, 72, 86, 105, 133, 134, 133, 146, 116, 84, 48, -18, -82, -129, -201, -275, -324, -376, -400, -419, -445, -400, -354, -353, -268, -170, -106, 17, 136, 204, 336, 456, 492, 565, 629, 631, 622, 565, 496, 457, 328, 197, 136, 22, -108, -178, -267, -350, -355, -406, -445, -412, -395, -379, -330, -269, -196, -128, -84, -15, 51, 83, 112, 145, 138, 134, 129, 102, 87, 72, 51, 30, 21, 12, 3, 0, 1, 1  
5, 8, 10, 11, 11, 16, 19

**A008054 BOG T6**  $O(IT) = 83, O(PL) = 7$

1, 4, 11, 18, 31, 51, 71, 89, 107, 123, 142, 148, 135, 118, 79, 42, -2, -74, -149, -200, -264, -333, -371, -407, -429, -417, -411, -392, -324, -265, -184, -87, -2, 122, 248, 321, 422, 529, 571, 616, 641, 602, 574, 531, 415, 327, 243, 117, 6, -96, -196, -256, -319, -399, -406, -419, -433, -401, -374, -333, -255, -197, -154, -71, -4, 42, 84, 116, 135, 151, 139, 118, 109, 88, 70, 53, 30, 16, 12, 4, 0, 1, 1  
5, 8, 10, 11, 11, 16, 19

**A008055 BPH T1**  $O(IT) = 39, O(PL) = 5$

1, 4, 9, 16, 23, 29, 34, 40, 45, 39, 23, 6, -12, -36, -58, -75, -87, -84, -71, -58, -44, -23, 0, 25, 47, 51, 42, 33, 30, 27, 20, 9, -1, -5, -4, 0, 2, 2, 1  
3, 4, 8, 8, 10

**A008056 BPH T2**  $O(IT) = 44, O(PL) = 4$

1, 4, 9, 16, 25, 39, 61, 86, 109, 133, 154, 166, 180, 195, 188, 161, 131, 90, 40, 1, -37, -87, -131, -164, -192, -199, -183, -167, -155, -137, -114, -86, -55, -32, -21, -15, -8, 0, 5, 3, -3, -6, -4, -1  
8, 8, 10, 12

**A008058 BRE T1**  $O(IT) = 67, O(PL) = 6$

1, 4, 10, 20, 36, 57, 73, 90, 107, 130, 150, 154, 153, 152, 119, 76, 38, -26, -101, -163,  
-227, -301, -368, -417, -441, -453, -438, -388, -325, -256, -159, -54, 46, 153,  
248, 318, 385, 441, 454, 443, 419, 367, 308, 239, 170, 101, 27, -35, -72, -114, -151,  
-158, -158, -150, -132, -110, -88, -71, -61, -40, -20, -8, -2, 1, 0, -2, -1

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4, 9, 10, 12, 13, 15

**A008059 BRE T2**  $O(IT) = 67, O(PL) = 6$

1, 4, 10, 20, 35, 57, 75, 87, 111, 129, 144, 156, 161, 146, 121, 81, 28, -24, -94, -162,  
-233, -301, -365, -421, -441, -449, -440, -397, -324, -246, -163, -54, 48, 152,  
238, 326, 395, 427, 458, 448, 413, 373, 311, 236, 167, 101, 26, -28, -79, -114, -146,  
-168, -153, -146, -136, -110, -85, -75, -60, -39, -20, -8, -2, 1, 0, -2, -1

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4, 9, 10, 12, 13, 15

**A008060 BRE T3**  $O(IT) = 64, O(PL) = 6$

1, 4, 11, 23, 36, 50, 71, 96, 115, 129, 146, 159, 155, 136, 114, 87, 33, -28, -86, -170,  
-248, -304, -362, -414, -448, -450, -420, -385, -331, -245, -162, -63, 58, 155,  
246, 334, 389, 424, 448, 448, 412, 357, 303, 245, 173, 98, 34, -34, -92, -118, -134,  
-154, -159, -146, -129, -111, -95, -75, -52, -36, -23, -11, -4, -1

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4, 9, 10, 12, 13, 15

**A008061 BRE T4**  $O(IT) = 66, O(PL) = 6$

1, 4, 11, 18, 36, 58, 74, 92, 110, 132, 146, 151, 155, 148, 121, 79, 32, -28, -95, -164,  
-234, -303, -378, -417, -433, -446, -436, -391, -331, -250, -152, -59, 54, 152,  
242, 334, 393, 430, 451, 435, 409, 380, 313, 237, 167, 90, 29, -28, -77, -114, -154,  
-164, -148, -141, -134, -112, -91, -77, -57, -37, -18, -10, -5, 2, -1, -1

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4, 9, 10, 12, 13, 15

**A008063 CAS T1**  $O(IT) = 38, O(PL) = 5$

1, 4, 12, 22, 37, 57, 70, 72, 80, 82, 57, 26, 14, -24, -84, -108, -103, -128, -164, -136,  
-96, -101, -98, -31, 18, 21, 44, 88, 92, 70, 66, 63, 42, 21, 13, 4, -1, -2

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3, 5, 8, 8, 12

**A008064 CAS T2**  $O(IT) = 33, O(PL) = 6$

1, 4, 12, 24, 33, 32, 26, 8, -21, -41, -50, -54, -65, -71, -56, -26, 0, 26, 56, 71, 65,  
54, 50, 41, 21, -8, -26, -32, -33, -24, -12, -4, -1

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3, 3, 4, 4, 8, 10

**A008065 CAS T3**  $O(IT) = 40, O(PL) = 5$

1, 4, 12, 22, 38, 56, 60, 63, 65, 66, 46, 34, 20, -11, -50, -90, -92, -113, -131, -133,  
-108, -94, -86, -54, -13, 21, 26, 50, 69, 72, 57, 56, 58, 43, 23, 9, 4, -2, 1, 1

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3, 4, 8, 10, 12

**A008066 CHA T1**  $O(IT) = 11, O(PL) = 3$

1, 3, 5, 8, 11, 12, 11, 8, 5, 3, 1  
1, 4, 5

**A008067 DAC T1**  $O(IT) = 62, O(PL) = 10$

1, 4, 12, 21, 33, 43, 36, 10, -34, -100, -173, -222, -228, -178, -67, 95, 286, 459, 550,  
543, 440, 239, -38, -322, -550, -699, -745, -688, -523, -281, -20, 246, 493, 665,  
739, 713, 579, 368, 92, -192, -409, -535, -569, -500, -332, -137, 37, 169, 240, 246,  
199, 121, 46, -8, -40, -54, -43, -24, -13, -4, 1, 2

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3, 4, 4, 5, 5, 6, 7, 7, 8, 11

**A008068 DAC T2**  $O(IT) = 65, O(PL) = 10$

1, 4, 12, 19, 31, 41, 38, 13, -23, -86, -169, -225, -242, -200, -88, 78, 274, 459, 572,  
579, 474, 265, -14, -307, -559, -728, -795, -728, -547, -298, -40, 250, 517, 692,  
763, 722, 608, 405, 124, -181, -426, -553, -604, -555, -386, -172, 45, 202, 283, 283,  
231, 138, 39, -31, -64, -69, -50, -23, -10, 2, 7, 6, -1, -2, -1

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3, 4, 4, 5, 5, 6, 7, 7, 8, 11

**A008069 DAC T3**  $O(IT) = 64, O(PL) = 10$

1, 4, 11, 23, 35, 38, 44, 15, -43, -108, -178, -229, -245, -176, -55, 133, 318, 469,  
562, 547, 410, 174, -71, -343, -567, -701, -728, -650, -474, -265, 7, 281, 487, 652,  
722, 691, 555, 334, 65, -180, -413, -546, -563, -473, -319, -129, 62, 185, 254, 235,  
181, 107, 36, -24, -50, -42, -37, -21, -7, 0, 2, 0, -2, -1

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3, 4, 4, 5, 5, 6, 7, 7, 8, 11

**A008070 DAC T4**  $O(IT) = 64, O(PL) = 10$

1, 4, 11, 23, 33, 42, 40, 19, -42, -111, -174, -238, -239, -185, -48, 133, 324, 467,  
556, 553, 400, 184, -77, -337, -562, -698, -738, -649, -488, -260, 7, 276, 501, 651,  
732, 688, 550, 328, 71, -190, -403, -552, -557, -471, -325, -129, 55, 194, 248, 244,  
177, 110, 35, -28, -46, -46, -35, -21, -7, 0, 2, 0, -2, -1

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3, 4, 4, 5, 5, 6, 7, 7, 8, 11

**A008071 DDR T1**  $O(IT) = 121, O(PL) = 9$

1, 4, 11, 23, 39, 60, 83, 102, 113, 124, 124, 121, 101, 71, 28, -42, -126, -212, -311,  
-417, -481, -535, -576, -585, -518, -470, -367, -213, -16, 157, 376, 590, 760, 888,  
996, 1059, 1010, 943, 797, 642, 382, 174, -78, -288, -556, -674, -780, -816, -809,  
-685, -552, -439, -227, -38, 140, 232, 396, 381, 389, 276, 203, -11, -165, -393,  
-534, -667, -771, -818, -771, -684, -610, -345, -128, 118, 333, 644, 771, 909, 1013,  
1087, 984, 928, 818, 612, 401, 213, 6, -215, -334, -471, -547, -592, -576, -578, -492,  
-424, -336, -235, -121, -47, 21, 85, 115, 121, 129, 140, 114, 104, 89, 66, 32, 20, 10,  
-1, -6, -1, 0, 0, 1, 2, 2

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5, 5, 9, 11, 12, 12, 14, 16, 30

**A008072 DDR T2**  $O(IT) = 129, O(PL) = 9$

1, 4, 12, 22, 37, 58, 89, 115, 136, 155, 187, 208, 196, 187, 162, 85, -23, -103, -238,  
-390, -519, -633, -776, -916, -952, -913, -896, -817, -579, -350, -141, 177, 594,  
868, 1088, 1416, 1644, 1640, 1663, 1693, 1501, 1123, 859, 579, 107, -328, -550, -802,  
-1160, -1293, -1175, -1141, -1171, -862, -499, -318, -175, 214, 398, 348, 361, 464,  
263, -86, -209, -370, -781, -1099, -1064, -1156, -1304, -1209, -846, -675, -445,  
31, 505, 702, 1042, 1470, 1644, 1634, 1724, 1730, 1441, 1175, 958, 670, 244, -49, -299,  
-544, -823, -897, -955, -991, -948, -806, -689, -575, -401, -260, -126, -39, 93,  
167, 209, 206, 234, 201, 166, 139, 115, 94, 63, 37, 17, 10, -9, -4, -1, -2, -1, 5, -1, 1,  
1, 0, 2

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5, 9, 10, 11, 12, 12, 14, 16, 30

**A008073 DDR T3**  $O(IT) = 122, O(PL) = 9$

1, 4, 12, 25, 40, 60, 81, 103, 127, 146, 147, 140, 123, 84, 17, -65, -148, -255, -367,  
-457, -541, -616, -645, -624, -583, -500, -341, -157, 29, 238, 491, 727, 904, 1041,  
1152, 1154, 1084, 991, 847, 594, 296, 34, -245, -529, -739, -816, -916, -972, -899,  
-707, -560, -363, -84, 150, 263, 389, 532, 546, 439, 316, 209, -67, -322, -505, -654,  
-864, -953, -911, -849, -787, -569, -267, -16, 232, 531, 820, 955, 1096, 1190, 1190,  
1059, 936, 768, 526, 263, 62, -123, -349, -511, -593, -643, -681, -628, -554, -475,  
-391, -265, -160, -72, 24, 97, 137, 147, 165, 155, 133, 116, 95, 59, 35, 23, 4, -14, -11,  
0, -2, -2, 3, 7, 1, 0, 2

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5, 6, 9, 10, 11, 12, 14, 16, 30

**A008074 DDR T4**  $O(IT) = 122, O(PL) = 9$

1, 4, 12, 24, 40, 61, 79, 97, 117, 127, 126, 111, 111, 69, 12, -39, -106, -233, -313,  
-390, -487, -560, -569, -554, -558, -457, -334, -207, -65, 189, 365, 573, 765, 941,  
985, 1018, 1021, 926, 787, 651, 441, 128, -88, -308, -534, -721, -712, -799, -839,  
-705, -536, -461, -225, 39, 127, 191, 386, 439, 307, 292, 252, -11, -255, -323, -514,  
-756, -750, -720, -835, -753, -488, -363, -198, 159, 435, 533, 749, 994, 988, 990,  
1073, 980, 710, 609, 460, 172, -54, -116, -332, -514, -543, -558, -619, -574, -456,  
-415, -354, -233, -107, -75, 18, 94, 120, 110, 144, 134, 113, 101, 90, 58, 38, 29, 6,  
-2, -1, -1, -8, 1, 2, 0, 0, 4

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5, 5, 9, 11, 12, 12, 14, 16, 30

**A008075 DDR T5**  $O(IT) = 120, O(PL) = 9$

1, 4, 10, 21, 37, 60, 86, 104, 116, 121, 125, 117, 107, 76, 31, -37, -113, -221, -325,  
-408, -486, -553, -577, -563, -564, -481, -364, -202, -54, 191, 407, 585, 728, 921,  
1027, 1031, 1043, 993, 810, 556, 427, 178, -99, -352, -476, -705, -833, -845, -741,  
-711, -608, -383, -211, -78, 116, 363, 368, 361, 373, 365, 127, -20, -155, -337,  
-606, -695, -734, -831, -835, -692, -515, -410, -139, 146, 401, 551, 801, 968, 1028,  
1016, 1050, 954, 762, 615, 441, 204, -38, -178, -360, -486, -567, -571, -591, -563,  
-506, -414, -337, -248, -127, -35, 33, 83, 125, 124, 128, 125, 119, 100, 94, 69, 36,  
16, 10, 0, -9, -2, 2, -1, 1, 4

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5, 5, 9, 11, 12, 12, 14, 16, 30

**A008076 DDR T6**  $O(IT) = 128, O(PL) = 9$

1, 4, 12, 24, 39, 56, 89, 109, 133, 170, 178, 190, 198, 205, 129, 94, 36, -127, -282, -332,  
-493, -689, -754, -861, -974, -979, -854, -790, -647, -398, -69, 155, 508, 868,  
1186, 1386, 1549, 1676, 1771, 1664, 1443, 1238, 944, 451, 51, -98, -572, -980, -1070,  
-1122, -1442, -1268, -945, -788, -793, -305, 12, 93, 220, 523, 539, 266, 220, 142,  
-177, -615, -635, -886, -1190, -1374, -1097, -1139, -1062, -728, -239, -44, 289,  
783, 1147, 1352, 1601, 1797, 1718, 1648, 1442, 1312, 978, 616, 280, 67, -379, -642,  
-743, -848, -1066, -1004, -886, -881, -765, -535, -377, -310, -128, 21, 92, 120,  
241, 246, 211, 204, 211, 133, 107, 100, 64, 23, 23, 9, -18, -9, 4, -5, -15, 6, 6, -6, 0, 12

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5, 9, 10, 11, 12, 12, 14, 16, 30



**A008077 DDR T7**  $O(IT) = 129, O(PL) = 9$

1, 4, 12, 24, 33, 59, 93, 124, 126, 158, 199, 192, 200, 194, 154, 78, -1, -147, -244,  
-389, -524, -633, -753, -911, -996, -911, -844, -813, -607, -266, -155, 145, 600,  
923, 1048, 1399, 1661, 1639, 1597, 1718, 1518, 1122, 823, 559, 129, -348, -527, -757,  
-1133, -1351, -1141, -1165, -1129, -938, -407, -348, -212, 164, 455, 284, 332, 512,  
245, -118, -193, -266, -885, -1031, -1055, -1111, -1390, -1102, -829, -695, -505,  
121, 462, 642, 1063, 1480, 1623, 1587, 1787, 1714, 1408, 1154, 1060, 610, 239, -30, -224,  
-626, -788, -862, -999, -1042, -899, -831, -734, -531, -399, -281, -176, 11, 72,  
167, 228, 241, 209, 236, 162, 124, 128, 105, 73, 27, 17, 3, -12, -18, -2, 1, 0, -6, 3, 0,  
-3, 6, 6

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5, 9, 10, 11, 12, 12, 14, 16, 30

**A008078 DOH T1**  $O(IT) = 94, O(PL) = 6$

1, 4, 12, 23, 41, 64, 92, 128, 167, 207, 258, 312, 358, 399, 422, 426, 426, 380, 327, 259,  
154, 39, -91, -260, -400, -533, -684, -769, -876, -950, -963, -985, -951, -905,  
-832, -762, -644, -512, -430, -266, -194, -64, 101, 166, 303, 412, 500, 630, 732,  
810, 871, 928, 942, 972, 943, 864, 815, 697, 574, 449, 276, 134, -1, -139, -239, -325,  
-404, -440, -439, -455, -415, -370, -349, -269, -215, -176, -109, -94, -64, -19,  
-15, -9, 6, 5, 0, 5, -1, -5, 3, -5, -6, 1, -2, -2

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10, 11, 11, 13, 14, 24

**A008079 DOH T2**  $O(IT) = 85, O(PL) = 6$

1, 4, 11, 24, 41, 62, 87, 117, 147, 173, 196, 220, 245, 255, 254, 238, 196, 142, 76, -4, -86,  
-168, -254, -319, -386, -471, -520, -552, -563, -535, -495, -460, -413, -347,  
-300, -226, -162, -136, -59, 19, 75, 133, 188, 231, 275, 349, 391, 429, 488, 520, 541,  
549, 520, 461, 413, 349, 257, 188, 102, 4, -61, -123, -195, -247, -273, -283, -260,  
-229, -205, -169, -143, -122, -85, -57, -40, -19, -4, 4, 9, 4, -3, -2, -2, -6, -4

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5, 11, 11, 13, 14, 24

**A008080 DOH T3**  $O(IT) = 94, O(PL) = 6$

1, 4, 12, 25, 42, 68, 90, 122, 167, 210, 267, 312, 354, 394, 410, 438, 431, 387, 326, 244,  
140, 49, -94, -265, -392, -549, -675, -768, -883, -960, -966, -960, -946, -878,  
-849, -767, -626, -543, -411, -287, -186, -62, 92, 189, 277, 402, 503, 637, 758, 820,  
892, 927, 948, 974, 936, 864, 785, 691, 588, 448, 266, 105, -24, -152, -233, -303, -408,  
-431, -433, -447, -409, -372, -347, -267, -205, -180, -107, -82, -80, -26, -14,  
-11, 10, 7, -2, 4, 5, -7, 0, -2, -10, 2, 0, -4

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10, 11, 11, 13, 14, 24

**A008081 DOH T4**  $O(IT) = 93, O(PL) = 6$

1, 4, 12, 24, 36, 61, 101, 133, 156, 204, 255, 308, 371, 395, 403, 440, 427, 365, 324, 273,  
165, 44, -85, -241, -423, -530, -644, -793, -834, -946, -1019, -955, -954, -930,  
-856, -736, -681, -529, -344, -372, -173, -38, 30, 246, 314, 380, 504, 659, 715, 801,  
904, 847, 981, 1002, 913, 884, 796, 702, 565, 473, 287, 120, 34, -140, -242, -318, -405,  
-453, -461, -424, -431, -394, -329, -293, -218, -156, -141, -81, -49, -38, -4,  
6, 6, 3, 5, 2, -3, 0, -6, 3, 3, -12, -6

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10, 11, 11, 13, 14, 24

**A008082 EAB T1**  $O(IT) = 25, O(PL) = 3$

1, 4, 9, 17, 30, 48, 67, 82, 94, 108, 124, 137, 142, 137, 124, 108, 94, 82, 67, 48, 30, 17, 9,  
4, 1

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5, 7, 12

**A008083 EAB T2 (also OFF T2)**  $O(IT) = 19, O(PL) = 3$

1, 4, 10, 20, 32, 45, 61, 79, 94, 100, 94, 79, 61, 45, 32, 20, 10, 4, 1

5, 6, 7

**A008084 ASV T1 (also EDI T1 THO T1, ACO T1)**  $O(IT) = 9, O(PL) = 3$

1, 3, 5, 9, 12, 9, 5, 3, 1

1, 3, 4

**A008085 EDI T2**  $O(IT) = 11, O(PL) = 3$

1, 3, 4, 9, 10, 13, 8, 3, -3, -4, 4

1, 3, 4

**A008086 EMT T1**  $O(IT) = 75, O(PL) = 4$

1, 4, 9, 16, 25, 36, 49, 63, 76, 87, 95, 100, 103, 105, 106, 107, 107, 105, 104, 104, 102,  
100, 101, 102, 104, 108, 109, 106, 104, 102, 101, 103, 98, 83, 66, 45, 20, 0, -20, -45,  
-66, -83, -98, -103, -101, -102, -104, -106, -109, -108, -104, -102, -101, -100,  
-102, -104, -104, -105, -107, -107, -106, -105, -103, -100, -95, -87, -76, -63,  
-49, -36, -25, -16, -9, -4, -1

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5, 7, 30, 32

**A008087 EMT T2**  $O(IT) = 66, O(PL) = 5$

1, 4, 9, 16, 25, 36, 48, 59, 67, 71, 70, 65, 56, 44, 33, 22, 8, -8, -22, -33, -44, -56, -65,  
-70, -71, -66, -57, -46, -34, -24, -17, -12, -9, -9, -12, -17, -24, -34, -46,  
-57, -66, -71, -70, -65, -56, -44, -33, -22, -8, 8, 22, 33, 44, 56, 65, 70, 71, 67, 59,  
48, 36, 25, 16, 9, 4, 1

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5, 6, 7, 15, 32

**A008088 EMT T3**  $O(IT) = 75, O(PL) = 4$

1, 4, 9, 16, 25, 36, 49, 63, 77, 90, 99, 102, 101, 99, 99, 103, 109, 112, 109, 102, 97, 97,  
101, 108, 113, 112, 106, 99, 96, 98, 101, 102, 98, 86, 68, 47, 24, 0, -24, -47, -68, -86,  
-98, -102, -101, -98, -96, -99, -106, -112, -113, -108, -101, -97, -97, -102,  
-109, -112, -109, -103, -99, -99, -101, -102, -99, -90, -77, -63, -49, -36, -25,  
-16, -9, -4, -1

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5, 7, 30, 32

**A008089 EMT T4**  $O(IT) = 75, O(PL) = 4$

1, 4, 9, 16, 25, 36, 49, 63, 76, 86, 92, 96, 101, 106, 108, 106, 102, 100, 103, 110, 116,  
116, 109, 100, 96, 99, 105, 109, 108, 103, 98, 96, 94, 85, 67, 44, 21, 0, -21, -44, -67,  
-85, -94, -96, -98, -103, -108, -109, -105, -99, -96, -100, -109, -116, -116,  
-110, -103, -100, -102, -106, -108, -106, -101, -96, -92, -86, -76, -63, -49,  
-36, -25, -16, -9, -4, -1

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5, 7, 30, 32

**A008090 EPI T1**  $O(IT) = 44, O(PL) = 8$

1, 4, 11, 23, 35, 39, 31, -1, -56, -111, -160, -183, -154, -73, 60, 209, 314, 360, 329,  
200, 15, -176, -326, -376, -336, -233, -75, 74, 168, 205, 177, 115, 51, -8, -39, -45,  
-40, -23, -6, 1, 2, 0, -2, -1

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3, 4, 4, 4, 5, 6, 7, 7

**A008091 EPI T2**  $O(IT) = 44, O(PL) = 8$

1, 4, 12, 21, 30, 39, 31, 1, -40, -109, -159, -175, -160, -70, 38, 173, 308, 354, 326,  
215, 35, -125, -283, -368, -339, -261, -111, 24, 129, 199, 149, 86, 13, -26, -52,  
-54, -31, -20, -3, 4, 3, 2, -1

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3, 4, 4, 4, 5, 6, 7, 7

**A008092 EPI T3**  $O(IT) = 44, O(PL) = 8$

1, 4, 12, 19, 32, 41, 29, 4, -43, -101, -159, -191, -165, -80, 50, 186, 306, 368, 338,  
221, 35, -158, -303, -373, -349, -248, -112, 40, 158, 207, 192, 136, 70, 9, -34, -56,  
-48, -30, -12, -1, 3, 4, -1, -1

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3, 4, 4, 4, 5, 6, 7, 7

**A008093 ERI T1 (also OFF T1)**  $O(IT) = 19, O(PL) = 3$

1, 4, 9, 17, 30, 49, 70, 84, 88, 88, 88, 84, 70, 49, 30, 17, 9, 4, 1

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5, 6, 7

**A008094 ERI T2**  $O(IT) = 25, O(PL) = 3$

1, 4, 10, 20, 32, 45, 60, 79, 102, 122, 130, 126, 122, 126, 130, 122, 102, 79, 60, 45, 32, 20,  
10, 4, 1

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5, 7, 12

**A008095 EUO T1**  $O(IT) = 229, O(PL) = 10$

1, 4, 11, 21, 36, 58, 88, 118, 146, 161, 187, 214, 238, 266, 293, 315, 343, 372, 366, 358,  
348, 332, 288, 252, 180, 92, 15, -135, -325, -454, -622, -827, -990, -1159, -1367,  
-1510, -1639, -1805, -1928, -2027, -2142, -2149, -2099, -2117, -2030, -1839,  
-1670, -1430, -1109, -796, -386, 116, 523, 1005, 1613, 2099, 2597, 3127, 3548, 3945,  
4402, 4716, 5013, 5295, 5407, 5425, 5491, 5367, 5110, 4864, 4476, 3974, 3521, 2843, 2090,  
1435, 618, -346, -1121, -1931, -2787, -3495, -4278, -5058, -5633, -6213, -6829,  
-7186, -7479, -7819, -7921, -7869, -7902, -7706, -7356, -7046, -6504, -5831,  
-5293, -4486, -3546, -2769, -1945, -970, -124, 812, 1795, 2579, 3324, 4245, 4975,  
5599, 6296, 6842, 7191, 7623, 7858, 7916, 8012, 7908, 7603, 7382, 6968, 6342, 5828, 5229,  
4451, 3708, 2970, 2131, 1393, 618, -293, -1104, -1804, -2599, -3241, -3789, -4383,  
-4806, -5087, -5453, -5577, -5537, -5554, -5422, -5125, -4914, -4563, -4109,  
-3721, -3291, -2769, -2352, -1822, -1184, -712, -289, 266, 660, 1006, 1438, 1683,  
1867, 2131, 2216, 2189, 2261, 2222, 2102, 2053, 1909, 1693, 1598, 1463, 1233, 1083, 916,  
645, 491, 358, 158, -2, -84, -226, -294, -325, -400, -407, -372, -402, -418, -361,  
-331, -313, -260, -244, -246, -218, -171, -154, -110, -76, -58, -31, -11, -2, 4,  
15, 6, 10, 14, 9, 15, 15, 0, -12, -6, -2, -5, 1, 2, -1, -5, -2, -4, 0, -1, -1

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5, 14, 17, 20, 21, 22, 23, 24, 26, 36

**A008096 EUO T10**  $O(IT) = 233, O(PL) = 11$

1, 4, 11, 24, 39, 67, 88, 107, 131, 170, 189, 191, 190, 209, 220, 207, 201, 177, 165, 154, 117, 40, 5, -56, -162, -274, -375, -545, -651, -771, -949, -1082, -1165, -1272, -1333, -1327, -1405, -1369, -1269, -1197, -1091, -920, -845, -607, -243, -76, 235, 655, 1011, 1400, 1880, 2171, 2528, 3019, 3223, 3464, 3775, 3810, 3841, 4025, 3791, 3543, 3502, 3115, 2661, 2486, 1839, 1181, 841, 178, -755, -1173, -2000, -2892, -3285, -3937, -4808, -5079, -5340, -6076, -6132, -6194, -6518, -6348, -5995, -6120, -5677, -5022, -4801, -4235, -3403, -3013, -2283, -1201, -555, 159, 1271, 1931, 2683, 3668, 4203, 4669, 5509, 5983, 6252, 6707, 6871, 6854, 7217, 7066, 6683, 6607, 6400, 5868, 5589, 5029, 4185, 3695, 3010, 2055, 1283, 562, -532, -1150, -1902, -2836, -3441, -3920, -4770, -5145, -5476, -6024, -6176, -6045, -6404, -6329, -6031, -6065, -5697, -5067, -4905, -4377, -3404, -2977, -2346, -1295, -782, -259, 732, 1194, 1510, 2439, 2828, 2971, 3525, 3711, 3602, 3971, 4094, 3708, 3823, 3712, 3261, 3102, 2947, 2229, 1912, 1648, 1073, 635, 450, -28, -316, -467, -820, -1103, -1074, -1246, -1366, -1347, -1416, -1464, -1350, -1258, -1280, -1118, -1012, -894, -731, -514, -427, -278, -127, -50, -9, 68, 141, 169, 219, 223, 188, 221, 237, 238, 193, 198, 168, 173, 160, 132, 102, 84, 41, 8, 7, -6, -15, -12, -12, -18, -10, -2, 2, -4, -2, -4, 2, 0, 10, 2, 4, 2, 2

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5, 8, 14, 17, 20, 21, 22, 23, 24, 26, 36

**A008097 EUO T2**  $O(IT) = 213, O(PL) = 10$

1, 4, 12, 25, 41, 63, 84, 110, 135, 161, 191, 218, 235, 252, 267, 253, 243, 243, 217, 193, 163, 105, 57, 8, -76, -172, -257, -389, -533, -653, -782, -939, -1057, -1177, -1303, -1343, -1406, -1442, -1388, -1348, -1334, -1209, -1048, -932, -703, -492, -286, 18, 323, 600, 999, 1379, 1641, 2014, 2362, 2597, 2875, 3113, 3225, 3335, 3424, 3334, 3321, 3281, 3033, 2820, 2588, 2238, 1842, 1527, 1006, 513, 41, -548, -1095, -1557, -2083, -2603, -2963, -3424, -3779, -3993, -4244, -4456, -4541, -4628, -4740, -4607, -4507, -4382, -4113, -3847, -3538, -3095, -2646, -2206, -1610, -1082, -590, -10, 577, 1050, 1564, 2082, 2479, 2895, 3324, 3652, 4006, 4312, 4460, 4594, 4763, 4723, 4664, 4609, 4369, 4088, 3829, 3422, 3013, 2631, 2126, 1599, 1174, 657, 108, -307, -805, -1306, -1699, -2119, -2535, -2759, -3037, -3306, -3376, -3421, -3474, -3393, -3239, -3137, -2897, -2650, -2437, -2073, -1736, -1459, -1105, -714, -481, -138, 188, 428, 679, 923, 1074, 1226, 1374, 1388, 1439, 1452, 1405, 1357, 1321, 1194, 1087, 1007, 828, 694, 580, 444, 310, 209, 94, 2, -60, -146, -177, -213, -239, -276, -252, -257, -268, -248, -236, -217, -199, -172, -155, -112, -100, -72, -42, -27, -10, 1, 12, 10, 9, 7, 9, 3, -1, -1, -2, -3, -5, -2, -1, -1, -1

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5, 10, 14, 17, 21, 22, 23, 24, 26, 36

**A008098 EUO T3**  $O(IT) = 226, O(PL) = 10$

1, 4, 12, 23, 38, 59, 85, 112, 136, 156, 188, 228, 249, 276, 298, 318, 334, 358, 347, 349, 358, 339, 288, 261, 192, 85, 8, -135, -311, -462, -639, -828, -977, -1168, -1377, -1509, -1642, -1825, -1935, -2020, -2138, -2143, -2100, -2125, -2007, -1822, -1685, -1444, -1094, -803, -366, 154, 579, 1065, 1646, 2075, 2574, 3136, 3525, 3906, 4417, 4745, 4997, 5296, 5403, 5409, 5499, 5360, 5046, 4871, 4491, 3917, 3416, 2795, 1993, 1339, 554, -355, -1101, -1872, -2776, -3477, -4183, -5014, -5659, -6173, -6788, -7223, -7522, -7820, -7916, -7818, -7848, -7641, -7225, -6893, -6425, -5784, -5193, -4438, -3558, -2788, -1964, -1024, -174, 701, 1698, 2551, 3347, 4255, 5043, 5670, 6360, 6807, 7146, 7546, 7778, 7772, 7873, 7794, 7545, 7305, 6906, 6346, 5868, 5266, 4488, 3779, 3052, 2138, 1343, 594, -330, -1150, -1848, -2647, -3266, -3750, -4356, -4745, -4951, -5277, -5476, -5447, -5475, -5399, -5154, -4936, -4623, -4112, -3713, -3305, -2754, -2258, -1816, -1189, -677, -254, 253, 681, 1002, 1373, 1620, 1795, 2011, 2143, 2169, 2216, 2207, 2125, 2056, 1923, 1725, 1577, 1447, 1223, 1044, 861, 657, 490, 348, 180, 44, -77, -196, -260, -310, -373, -383, -377, -379, -386, -371, -357, -314, -280, -260, -232, -186, -155, -131, -103, -91, -75, -46, -26, -11, 5, 12, 13, 11, 8, 2, 7, 0, 0, -3, 1, -1, 1, -1, -5, -4, -2, 0, -1

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5, 14, 17, 20, 21, 22, 23, 24, 26, 36

**A008099 EUO T4**  $O(IT) = 225, O(PL) = 10$

1, 4, 12, 22, 39, 58, 87, 112, 138, 167, 198, 218, 234, 262, 306, 319, 333, 358, 372, 359, 355, 328, 290, 252, 181, 86, -17, -124, -312, -460, -629, -832, -1007, -1153, -1351, -1513, -1662, -1833, -1937, -2005, -2115, -2166, -2127, -2107, -2026, -1817, -1682, -1414, -1075, -753, -376, 123, 553, 1041, 1601, 2087, 2577, 3157, 3589, 3964, 4427, 4733, 4959, 5277, 5429, 5430, 5501, 5332, 5093, 4844, 4488, 3868, 3454, 2800, 2065, 1327, 613, -297, -1099, -1932, -2819, -3580, -4262, -5048, -5669, -6195, -6796, -7214, -7463, -7785, -7909, -7901, -7862, -7655, -7308, -6912, -6451, -5795, -5189, -4467, -3630, -2777, -1936, -920, -69, 796, 1722, 2630, 3372, 4278, 4945, 5624, 6256, 6873, 7197, 7635, 7796, 7885, 7888, 7839, 7567, 7312, 6950, 6369, 5807, 5221, 4437, 3722, 3013, 2093, 1312, 539, -318, -1099, -1769, -2614, -3266, -3831, -4359, -4831, -5034, -5361, -5508, -5490, -5478, -5431, -5100, -4876, -4591, -4179, -3695, -3303, -2697, -2241, -1750, -1245, -714, -301, 256, 702, 1051, 1383, 1694, 1876, 2021, 2158, 2189, 2227, 2194, 2129, 2022, 1933, 1741, 1598, 1385, 1229, 1023, 897, 678, 520, 324, 168, -4, -106, -201, -260, -338, -362, -379, -398, -405, -378, -363, -335, -326, -288, -254, -211, -195, -169, -134, -116, -89, -59, -28, -28, -2, 0, 15, 11, 16, 8, 13, -4, 1, 2, 4, -2, 1, -2, -5, -7, -3, -3, -2

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5, 14, 17, 20, 21, 22, 23, 24, 26, 36

**A008100 EUO T5**  $O(IT) = 228, O(PL) = 10$

1, 4, 12, 20, 31, 60, 84, 108, 139, 166, 187, 211, 248, 268, 284, 337, 331, 336, 378, 385,  
311, 340, 330, 240, 163, 142, -16, -157, -230, -483, -653, -742, -987, -1205, -1266,  
-1520, -1727, -1743, -1902, -2117, -2038, -2108, -2222, -2071, -1971, -1977,  
-1644, -1387, -1232, -758, -294, -49, 535, 1130, 1409, 1999, 2690, 2985, 3533, 4045,  
4301, 4713, 5084, 5119, 5370, 5590, 5379, 5311, 5295, 4861, 4396, 4121, 3444, 2754, 2223,  
1393, 540, -22, -1064, -1989, -2564, -3461, -4414, -4842, -5600, -6280, -6653,  
-7105, -7593, -7705, -7858, -8041, -7863, -7587, -7508, -6942, -6335, -6019,  
-5229, -4385, -3857, -2883, -1853, -1214, -186, 840, 1568, 2468, 3454, 4092, 4849,  
5697, 6212, 6672, 7359, 7573, 7691, 8022, 7958, 7634, 7758, 7341, 6829, 6549, 5919, 5149,  
4674, 3848, 2976, 2276, 1434, 517, -187, -991, -1867, -2470, -3114, -3918, -4334,  
-4634, -5208, -5314, -5381, -5586, -5482, -5309, -5293, -4869, -4549, -4367,  
-3771, -3201, -2914, -2346, -1689, -1281, -856, -209, 151, 597, 1105, 1344, 1584,  
1971, 1978, 2043, 2303, 2211, 2111, 2195, 2073, 1871, 1810, 1642, 1403, 1275, 1094, 842,  
717, 551, 316, 186, 79, -156, -194, -209, -346, -392, -335, -404, -414, -367, -356,  
-366, -307, -297, -285, -230, -189, -194, -144, -91, -106, -67, -23, -26, -17,  
16, 1, 8, 24, 8, 0, 16, -4, -4, 2, 6, -6, 6, 6, -6, -4, 0, -2, -6, 0, -2

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5, 14, 17, 20, 21, 22, 23, 24, 26, 36

**A008101 EUO T6**  $O(IT) = 227, O(PL) = 10$

1, 4, 12, 20, 34, 56, 88, 119, 144, 168, 179, 206, 248, 272, 282, 315, 343, 357, 372, 366,  
333, 322, 315, 234, 173, 121, -4, -128, -281, -481, -639, -767, -1006, -1189, -1308,  
-1517, -1692, -1732, -1890, -2077, -2096, -2136, -2157, -2031, -2000, -1932,  
-1616, -1379, -1227, -781, -344, -6, 557, 1048, 1478, 2129, 2677, 2973, 3538, 4026,  
4248, 4667, 5109, 5172, 5353, 5513, 5364, 5307, 5264, 4778, 4418, 4141, 3470, 2794, 2265,  
1386, 568, -155, -1158, -2011, -2616, -3459, -4297, -4904, -5591, -6248, -6649,  
-7130, -7566, -7660, -7883, -8015, -7780, -7637, -7507, -6972, -6493, -5956,  
-5218, -4465, -3726, -2696, -1886, -1159, -168, 857, 1595, 2535, 3384, 4045, 4863,  
5711, 6167, 6745, 7312, 7497, 7771, 8040, 7904, 7829, 7752, 7290, 6864, 6509, 5817, 5108,  
4616, 3771, 2871, 2280, 1471, 541, -93, -1015, -1919, -2477, -3124, -3910, -4250,  
-4701, -5193, -5343, -5446, -5679, -5474, -5305, -5247, -4903, -4462, -4208,  
-3747, -3222, -2878, -2404, -1784, -1324, -736, -194, 139, 597, 1079, 1345, 1626,  
1917, 2044, 2185, 2230, 2204, 2174, 2168, 1986, 1894, 1783, 1576, 1427, 1328, 1089, 879,  
715, 496, 323, 218, 23, -113, -189, -290, -350, -338, -411, -399, -356, -386, -410,  
-331, -290, -295, -258, -234, -223, -184, -147, -127, -65, -57, -47, -9, 12, -8,  
5, 16, 8, 2, 12, 10, 18, 6, -10, -8, 6, -2, -4, 6, 2, -8, -6, -2, -4

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5, 14, 17, 20, 21, 22, 23, 24, 26, 36

**A008102 EUO T7**  $O(IT) = 228, O(PL) = 10$

1, 4, 12, 24, 39, 59, 87, 114, 137, 156, 183, 218, 261, 280, 285, 338, 339, 329, 348, 369,  
332, 336, 317, 228, 183, 106, -13, -153, -261, -507, -650, -751, -999, -1209, -1319,  
-1545, -1709, -1738, -1937, -2079, -2022, -2133, -2209, -2038, -1986, -1924,  
-1605, -1388, -1242, -696, -279, 30, 635, 1173, 1479, 2092, 2706, 2980, 3574, 4038,  
4217, 4723, 5158, 5134, 5330, 5630, 5358, 5238, 5216, 4810, 4390, 4084, 3312, 2596, 2158,  
1277, 376, -171, -1092, -2026, -2633, -3432, -4299, -4834, -5602, -6367, -6669,  
-7154, -7623, -7739, -7764, -7950, -7806, -7563, -7317, -6771, -6272, -5883,  
-5128, -4300, -3696, -2787, -1845, -1175, -213, 730, 1557, 2563, 3501, 4149, 4962,  
5774, 6236, 6737, 7283, 7462, 7681, 7876, 7744, 7617, 7718, 7255, 6744, 6447, 5815, 5171,  
4652, 3826, 2938, 2332, 1330, 410, -205, -1054, -2037, -2578, -3167, -3917, -4261,  
-4572, -5065, -5176, -5340, -5625, -5438, -5215, -5247, -4904, -4481, -4254,  
-3752, -3191, -2851, -2311, -1687, -1251, -757, -103, 248, 628, 1059, 1292, 1503,  
1826, 1982, 2094, 2237, 2175, 2150, 2152, 2018, 1882, 1784, 1568, 1399, 1270, 1069, 829,  
688, 489, 315, 178, 42, -76, -126, -236, -333, -333, -376, -405, -362, -368, -376,  
-355, -309, -291, -239, -228, -212, -165, -132, -123, -91, -46, -49, -32, -8,  
-1, 4, 11, 7, 8, 0, 2, 0, 8, -8, 0, 0, 2, -2, 2, 2, -4, 0, -2, 0, -2

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5, 14, 17, 20, 21, 22, 23, 24, 26, 36

**A008103 EUO T8**  $O(IT) = 227, O(PL) = 10$

1, 4, 12, 24, 36, 55, 86, 115, 133, 161, 180, 216, 268, 274, 284, 319, 352, 321, 362, 362,  
336, 337, 331, 228, 170, 134, -34, -139, -252, -460, -676, -766, -974, -1201, -1327,  
-1519, -1705, -1729, -1906, -2088, -2068, -2106, -2201, -2070, -1964, -1910,  
-1628, -1398, -1191, -772, -332, 11, 588, 1137, 1485, 2075, 2631, 3027, 3491, 4008,  
4265, 4706, 5103, 5170, 5360, 5507, 5380, 5305, 5205, 4766, 4448, 4110, 3371, 2703, 2181,  
1313, 540, -179, -1073, -1927, -2575, -3507, -4239, -4838, -5621, -6303, -6606,  
-7120, -7632, -7672, -7857, -7972, -7727, -7625, -7402, -6817, -6363, -5946,  
-5161, -4420, -3752, -2781, -1888, -1212, -235, 793, 1506, 2488, 3473, 4084, 4908,  
5782, 6198, 6732, 7251, 7458, 7665, 7965, 7778, 7745, 7653, 7306, 6784, 6483, 5872, 5149,  
4661, 3886, 2969, 2295, 1426, 478, -167, -1058, -1943, -2499, -3172, -3855, -4224,  
-4658, -5085, -5217, -5351, -5595, -5433, -5267, -5226, -4937, -4547, -4268,  
-3751, -3248, -2894, -2325, -1714, -1350, -709, -157, 173, 584, 1072, 1283, 1577,  
1833, 1969, 2104, 2247, 2176, 2142, 2182, 2033, 1890, 1815, 1593, 1402, 1325, 1063, 843,  
702, 506, 291, 221, 59, -82, -169, -238, -330, -342, -387, -398, -377, -363, -396,  
-362, -313, -285, -262, -226, -210, -166, -140, -106, -83, -69, -51, -16, -16,  
-4, 15, 8, 14, 2, 12, 0, 14, -6, 2, -4, 0, -2, 6, 0, -8, 0, -2, -2, -2

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5, 14, 17, 20, 21, 22, 23, 24, 26, 36

**A008104 EUO T9**  $O(IT) = 222, O(PL) = 11$

1, 4, 11, 23, 45, 66, 84, 104, 138, 169, 182, 188, 185, 183, 174, 154, 109, 59, 44, -17, -99,  
-137, -170, -252, -344, -386, -519, -602, -663, -743, -873, -928, -1010, -1066,  
-939, -954, -913, -766, -577, -496, -188, 47, 146, 491, 692, 848, 1143, 1484, 1545,  
1870, 2117, 2118, 2401, 2598, 2566, 2594, 2674, 2298, 2228, 2169, 1671, 1325, 1068, 505,  
58, -166, -754, -1172, -1352, -1998, -2458, -2583, -2988, -3413, -3480, -3809,  
-4098, -3927, -4022, -3968, -3654, -3502, -3450, -2827, -2423, -2158, -1531,  
-1134, -807, -268, 215, 511, 1184, 1666, 1872, 2364, 2847, 3170, 3570, 3935, 3906,  
4126, 4253, 4196, 4230, 4243, 3871, 3608, 3511, 3134, 2842, 2617, 2122, 1679, 1403, 760,  
286, 20, -544, -1247, -1600, -2161, -2620, -2773, -3158, -3580, -3630, -3846,  
-4058, -3821, -3763, -3861, -3590, -3380, -3266, -2797, -2382, -2213, -1652,  
-1198, -1002, -369, 258, 533, 970, 1421, 1542, 1936, 2334, 2294, 2493, 2668, 2496,  
2433, 2558, 2282, 2100, 2061, 1672, 1451, 1279, 1031, 691, 623, 198, -79, -210, -429,  
-591, -711, -838, -1029, -941, -1026, -1014, -932, -892, -842, -752, -614, -575,  
-396, -356, -281, -201, -147, -88, -25, 80, 60, 123, 124, 183, 203, 196, 190, 180,  
180, 142, 139, 95, 75, 53, 13, 15, -6, -5, -10, 4, -12, -4, 0, -6, 2, -2, 2, -4, 6, 0, 2,  
0, 2

5, 8, 10, 14, 17, 21, 22, 23, 24, 26, 36

**A008105 FAU T1**  $O(IT) = 15, O(PL) = 3$

1, 3, 5, 7, 9, 12, 15, 16, 15, 12, 9, 7, 5, 3, 1  
1, 6, 7

**A008106 FER T1**  $O(IT) = 53, O(PL) = 7$

1, 4, 12, 21, 37, 57, 66, 67, 55, 23, -31, -93, -151, -189, -217, -225, -192, -130,  
-55, 24, 141, 230, 308, 350, 327, 305, 186, 63, -30, -146, -196, -227, -241, -187,  
-171, -128, -41, -8, 55, 82, 89, 91, 52, 25, 6, -4, -12, -7, -3, 2, 3, 0, 2

4, 4, 5, 6, 7, 10, 10

**A008107 FER T2**  $O(IT) = 47, O(PL) = 7$

1, 4, 12, 27, 41, 53, 68, 68, 44, 6, -42, -90, -145, -193, -209, -205, -179, -135, -56,  
55, 146, 239, 317, 334, 315, 241, 148, 63, -46, -127, -175, -207, -217, -201, -151,  
-94, -40, 8, 46, 70, 68, 53, 41, 27, 12, 4, 1

4, 4, 5, 6, 7, 10, 10

**A008108 FER T3**  $O(IT) = 54, O(PL) = 6$

1, 4, 12, 20, 34, 62, 88, 88, 98, 110, 87, 53, 20, -17, -62, -144, -220, -232, -282,  
-309, -292, -220, -172, -102, -13, 95, 161, 200, 263, 312, 305, 243, 248, 167, 102, 4,  
-32, -46, -84, -125, -99, -88, -98, -70, -61, -11, -7, -2, 5, 12, -2, 0, 0, -4

4, 5, 7, 10, 10, 12

**A008109 FER T4**  $O(IT) = 62, O(PL) = 7$

1, 4, 12, 23, 40, 65, 92, 118, 135, 154, 157, 127, 83, 14, -93, -191, -318, -445, -527,  
-579, -607, -543, -458, -314, -80, 121, 355, 567, 740, 834, 914, 846, 760, 603, 378,  
173, -76, -273, -453, -538, -613, -591, -556, -461, -338, -214, -89, -7, 85, 130,  
161, 163, 151, 119, 95, 70, 38, 24, 12, 3, -1, -2

5, 7, 8, 8, 10, 10, 12

**A008110 GME T1 (also AFX T1)**  $O(IT) = 17, O(PL) = 3$

1, 4, 9, 17, 28, 40, 52, 62, 66, 62, 52, 40, 28, 17, 9, 4, 1  
4, 5, 7

**A008111 GOO T1**  $O(IT) = 33, O(PL) = 5$

1, 4, 9, 17, 28, 37, 39, 24, 8, 2, -3, -19, -42, -51, -38, -25, -41, -54, -44, -20, -6,  
1, 9, 28, 41, 37, 29, 19, 9, 0, -1, 0, 2

3, 3, 5, 7, 12

**A008112 GOO T2**  $O(IT) = 38, O(PL) = 5$

1, 4, 10, 18, 28, 34, 34, 30, 22, 12, 4, 0, -3, -6, -14, -25, -38, -50, -61, -61, -50,  
-38, -25, -14, -6, -3, 0, 4, 12, 22, 30, 34, 34, 28, 18, 10, 4, 1

3, 3, 5, 12, 14

**A008113 GOO T3**  $O(IT) = 33, O(PL) = 5$

1, 4, 9, 17, 28, 37, 35, 28, 18, 2, -14, -30, -38, -39, -39, -40, -39, -39, -36, -28,  
-16, 2, 18, 30, 35, 35, 28, 19, 9, 2, -1, 0, 2

3, 3, 5, 7, 12

**A008114 GOO T4**  $O(IT) = 31, O(PL) = 5$

1, 4, 10, 18, 26, 37, 39, 27, 8, -4, -6, -17, -40, -49, -38, -32, -38, -49, -40, -17,  
-6, -4, 8, 27, 39, 37, 26, 18, 10, 4, 1  
3, 3, 5, 7, 12

**A008115 GOO T5**  $O(IT) = 40, O(PL) = 5$

1, 4, 10, 18, 26, 31, 35, 36, 28, 14, -6, -9, -1, 2, -9, -24, -40, -55, -59, -63, -55,  
-44, -22, -9, 4, -1, -7, -4, 12, 26, 34, 37, 29, 28, 20, 12, 0, -1, 0, 2  
3, 3, 5, 12, 14

**A008116 HEU T1**  $O(IT) = 40, O(PL) = 5$

1, 4, 10, 20, 33, 57, 70, 69, 80, 76, 44, 1, -47, -79, -106, -146, -165, -143, -105,  
-83, -58, -12, 38, 74, 80, 81, 87, 67, 38, 14, 4, 1, -8, -3, 2, 0, 2, 1, 0, 1  
4, 5, 6, 7, 10

**A008117 HEU T2**  $O(IT) = 28, O(PL) = 5$

1, 4, 11, 23, 38, 49, 62, 77, 58, 13, -23, -61, -106, -144, -146, -108, -61, -23, 13,  
56, 77, 64, 49, 38, 23, 11, 4, 1  
4, 5, 5, 6, 7

**A008118 HEU T3**  $O(IT) = 37, O(PL) = 5$

1, 4, 10, 19, 36, 53, 69, 75, 79, 78, 42, -2, -44, -82, -110, -148, -163, -136, -111,  
-81, -53, -15, 46, 71, 78, 86, 79, 67, 37, 10, 5, 0, -5, -2, 2, 3, 2  
4, 5, 6, 7, 10

**A008119 HEU T4**  $O(IT) = 35, O(PL) = 5$

1, 4, 11, 21, 34, 56, 73, 74, 75, 67, 41, -2, -55, -80, -101, -138, -154, -141, -108,  
-80, -56, -8, 44, 70, 78, 79, 72, 56, 35, 17, 10, 3, -2, 2, 2  
4, 5, 6, 7, 10

**A008120 HEU T5**  $O(IT) = 39, O(PL) = 5$

1, 4, 12, 18, 33, 57, 71, 75, 64, 71, 56, -2, -53, -81, -91, -130, -168, -152, -105,  
-79, -61, -22, 44, 79, 76, 77, 77, 69, 35, 18, 10, 0, -3, -4, 0, 2, 0, 0, 2  
4, 5, 6, 7, 10

**A008121 JBW T1**  $O(IT) = 19, O(PL) = 4$

1, 4, 10, 21, 37, 51, 53, 45, 29, 0, -29, -45, -53, -51, -37, -21, -10, -4, -1  
4, 4, 5, 5

**A008122 JBW T2**  $O(IT) = 19, O(PL) = 4$

1, 4, 12, 24, 34, 46, 54, 46, 27, 0, -27, -46, -54, -46, -34, -24, -12, -4, -1  
4, 4, 5, 5

**A008123 KFI T1**  $O(IT) = 10, O(PL) = 3$

1, 2, 2, 3, 4, 4, 3, 2, 2, 1  
1, 1, 7

**A008124 LAU T1**  $O(IT) = 26, O(PL) = 4$

1, 4, 10, 20, 32, 46, 60, 68, 71, 67, 54, 38, 15, -15, -38, -54, -67, -71, -68, -60, -46,  
-32, -20, -10, -4, -1  
4, 5, 7, 9

**A008125 LAU T2**  $O(IT) = 28, O(PL) = 4$

1, 4, 10, 19, 31, 47, 60, 69, 71, 68, 58, 36, 10, -10, -36, -60, -68, -71, -69, -58, -47,  
-33, -17, -10, -4, 1, 0, -2  
4, 5, 7, 9

**A008126 LAU T3**  $O(IT) = 26, O(PL) = 4$

1, 4, 10, 19, 32, 48, 60, 66, 71, 70, 55, 34, 12, -12, -34, -55, -70, -71, -66, -60, -48,  
-32, -19, -10, -4, -1  
4, 5, 7, 9

- A008127 LEV T1**  $O(IT) = 24, O(PL) = 4$   
1, 4, 9, 17, 30, 47, 62, 69, 67, 57, 39, 14, -14, -39, -57, -67, -69, -62, -47, -30, -17, -9, -4, -1  
5, 5, 6, 7
- A008128 LEV T2**  $O(IT) = 24, O(PL) = 4$   
1, 4, 10, 20, 32, 44, 55, 65, 70, 62, 41, 14, -14, -41, -62, -70, -65, -55, -44, -32, -20, -10, -4, -1  
5, 5, 6, 7
- A008129 LIO T1**  $O(IT) = 22, O(PL) = 3$   
1, 3, 6, 10, 14, 18, 20, 21, 22, 21, 20, 20, 21, 22, 21, 20, 18, 14, 10, 6, 3, 1  
1, 5, 15
- A008131 LIO T3 (also MAR T4)**  $O(IT) = 22, O(PL) = 3$   
1, 3, 6, 10, 14, 17, 19, 22, 24, 22, 18, 18, 22, 24, 22, 19, 17, 14, 10, 6, 3, 1  
1, 5, 15
- A008132 LOS T1**  $O(IT) = 17, O(PL) = 3$   
1, 3, 6, 10, 14, 17, 19, 22, 24, 22, 19, 17, 14, 10, 6, 3, 1  
1, 5, 10
- A008134 LOV T1**  $O(IT) = 45, O(PL) = 7$   
1, 4, 10, 20, 32, 41, 44, 24, -13, -44, -74, -91, -82, -63, -52, -44, -45, -42, -10, 41, 105, 154, 170, 154, 99, 37, -6, -38, -43, -40, -54, -67, -82, -91, -74, -42, -13, 22, 44, 39, 32, 22, 10, 4, 1  
3, 4, 5, 5, 5, 11, 11
- A008135 LOV T2**  $O(IT) = 54, O(PL) = 7$   
1, 4, 9, 19, 38, 49, 61, 72, 63, 27, 10, -34, -81, -100, -147, -186, -204, -213, -219, -147, -62, 26, 131, 207, 249, 284, 280, 272, 264, 198, 135, 27, -50, -158, -210, -199, -222, -169, -143, -106, -82, -38, 2, 16, 66, 68, 65, 56, 37, 20, 10, 3, -1, 2  
4, 5, 5, 6, 10, 11, 11
- A008136 LOV T3**  $O(IT) = 50, O(PL) = 7$   
1, 4, 8, 19, 35, 40, 40, 41, 16, 8, -46, -54, -64, -82, -104, -110, -128, -122, -66, -40, 53, 124, 133, 159, 139, 135, 151, 133, 108, 65, -16, -74, -130, -132, -106, -112, -70, -56, -54, -50, 0, 8, 37, 52, 36, 39, 23, 4, 4, 1  
3, 4, 5, 5, 10, 11, 11
- A008137 LTA T1 (also RHO T1)**  $O(IT) = 8, O(PL) = 3$   
1, 2, 2, 3, 3, 2, 2, 1  
1, 1, 5
- A008138 LTL T1**  $O(IT) = 25, O(PL) = 3$   
1, 4, 9, 17, 29, 46, 69, 97, 126, 148, 157, 156, 154, 156, 157, 148, 126, 97, 69, 46, 29, 17, 9, 4, 1  
7, 8, 9
- A008139 LTL T2**  $O(IT) = 25, O(PL) = 3$   
1, 4, 10, 21, 35, 49, 66, 88, 112, 135, 155, 171, 178, 171, 155, 135, 112, 88, 66, 49, 35, 21, 10, 4, 1  
7, 8, 9
- A008140 LTN T1**  $O(IT) = 139, O(PL) = 5$   
1, 4, 10, 20, 34, 53, 76, 102, 132, 166, 205, 248, 294, 343, 395, 452, 514, 581, 654, 733, 816, 898, 975, 1046, 1112, 1176, 1237, 1291, 1335, 1367, 1390, 1406, 1417, 1424, 1422, 1407, 1377, 1334, 1281, 1218, 1143, 1052, 943, 817, 676, 523, 363, 201, 38, -129, -302, -481, -664, -848, -1031, -1212, -1393, -1577, -1764, -1948, -2117, -2261, -2379, -2478, -2566, -2646, -2715, -2766, -2793, -2794, -2774, -2741, -2700, -2651, -2586, -2499, -2389, -2259, -2115, -1960, -1799, -1633, -1459, -1274, -1077, -876, -681, -499, -330, -167, -4, 162, 330, 493, 643, 775, 891, 998, 1098, 1190, 1269, 1330, 1373, 1399, 1413, 1419, 1421, 1420, 1410, 1387, 1350, 1302, 1247, 1188, 1127, 1063, 994, 919, 839, 757, 678, 605, 538, 475, 415, 358, 303, 252, 206, 166, 132, 102, 76, 53, 34, 20, 10, 4, 1  
19, 20, 26, 34, 39

**A008141 LTN T2**  $O(IT) = 177, O(PL) = 5$

1, 4, 10, 20, 34, 51, 71, 96, 126, 162, 202, 244, 290, 338, 390, 448, 511, 581, 656, 733, 811, 891, 974, 1056, 1137, 1215, 1292, 1374, 1453, 1528, 1595, 1653, 1713, 1768, 1817, 1863, 1905, 1945, 1970, 1977, 1970, 1948, 1917, 1870, 1803, 1718, 1618, 1508, 1384, 1255, 1120, 971, 804, 613, 412, 200, -20, -236, -464, -700, -939, -1185, -1425, -1658, -1877, -2090, -2311, -2525, -2729, -2918, -3090, -3248, -3389, -3520, -3637, -3745, -3845, -3914, -3947, -3950, -3934, -3902, -3850, -3785, -3699, -3589, -3457, -3307, -3155, -3001, -2839, -2653, -2434, -2200, -1962, -1727, -1495, -1261, -1026, -783, -537, -296, -65, 147, 348, 542, 732, 918, 1090, 1250, 1395, 1520, 1627, 1719, 1802, 1875, 1933, 1970, 1983, 1979, 1964, 1945, 1925, 1903, 1873, 1823, 1760, 1695, 1631, 1566, 1493, 1412, 1323, 1234, 1153, 1071, 990, 913, 832, 751, 671, 594, 523, 456, 398, 344, 290, 241, 196, 152, 112, 81, 56, 35, 21, 11, 2, -3, -3, -2, -3, -4, -6, -8, -6, -3, 0, 2, 4, 9, 12, 13, 13, 9, 5, 3, 1

19, 26, 34, 39, 40

**A008142 LTN T3**  $O(IT) = 174, O(PL) = 5$

1, 4, 10, 20, 33, 50, 71, 97, 129, 163, 200, 240, 287, 343, 401, 461, 523, 591, 665, 740, 818, 895, 970, 1047, 1128, 1214, 1296, 1372, 1448, 1524, 1599, 1664, 1721, 1777, 1829, 1876, 1911, 1936, 1952, 1955, 1950, 1932, 1897, 1847, 1786, 1717, 1629, 1521, 1400, 1266, 1119, 955, 778, 589, 389, 182, -36, -258, -482, -710, -941, -1174, -1407, -1648, -1889, -2112, -2317, -2514, -2712, -2907, -3092, -3261, -3408, -3541, -3659, -3754, -3826, -3880, -3919, -3930, -3917, -3888, -3837, -3768, -3683, -3586, -3470, -3328, -3168, -2983, -2783, -2585, -2387, -2183, -1959, -1723, -1482, -1237, -1001, -767, -535, -306, -76, 150, 369, 564, 738, 910, 1076, 1231, 1373, 1505, 1622, 1713, 1790, 1857, 1908, 1945, 1967, 1976, 1971, 1955, 1929, 1885, 1837, 1796, 1751, 1690, 1612, 1532, 1456, 1387, 1324, 1250, 1164, 1077, 993, 910, 828, 754, 682, 603, 527, 458, 394, 338, 290, 248, 205, 164, 128, 93, 65, 46, 31, 16, 4, -2, -7, -11, -11, -7, -1, 4, 6, 4, 3, 7, 11, 11, 8, 5, 3, 1

19, 26, 34, 39, 40

**A008143 LTN T4**  $O(IT) = 171, O(PL) = 5$

1, 4, 9, 17, 30, 49, 72, 97, 125, 158, 197, 242, 291, 342, 398, 462, 532, 602, 669, 738, 812, 890, 971, 1052, 1132, 1211, 1290, 1370, 1448, 1523, 1595, 1666, 1736, 1798, 1846, 1880, 1907, 1928, 1939, 1942, 1938, 1924, 1896, 1854, 1799, 1725, 1632, 1528, 1412, 1276, 1117, 945, 768, 582, 385, 179, -33, -252, -481, -717, -954, -1187, -1416, -1642, -1864, -2088, -2318, -2541, -2741, -2920, -3092, -3259, -3412, -3549, -3668, -3760, -3824, -3869, -3900, -3914, -3910, -3891, -3853, -3790, -3701, -3588, -3456, -3311, -3156, -2987, -2801, -2598, -2378, -2150, -1927, -1711, -1490, -1256, -1015, -771, -526, -289, -67, 145, 356, 564, 760, 939, 1098, 1237, 1363, 1483, 1597, 1701, 1792, 1864, 1913, 1945, 1967, 1978, 1973, 1956, 1932, 1898, 1850, 1787, 1717, 1652, 1597, 1543, 1475, 1393, 1309, 1230, 1156, 1083, 1007, 925, 838, 752, 670, 595, 528, 465, 402, 339, 282, 234, 194, 162, 136, 112, 86, 57, 30, 10, -2, -9, -13, -12, -8, -5, -4, -1, 7, 15, 18, 15, 9, 4, 1

19, 26, 34, 39, 40

**A008144 MAZ T1**  $O(IT) = 53, O(PL) = 5$

1, 4, 10, 20, 35, 54, 78, 103, 129, 157, 179, 195, 200, 193, 175, 142, 92, 33, -32, -105, -181, -249, -304, -350, -380, -390, -380, -351, -308, -254, -182, -105, -36, 31, 94, 144, 177, 194, 201, 198, 182, 155, 128, 105, 77, 52, 34, 20, 10, 4, -1, 0, 2

7, 8, 10, 11, 14

**A008145 MAZ T2**  $O(IT) = 51, O(PL) = 5$

1, 4, 10, 21, 36, 53, 74, 103, 133, 160, 180, 193, 199, 191, 172, 140, 97, 36, -38, -112, -177, -241, -304, -353, -383, -390, -383, -353, -304, -241, -177, -112, -38, 36, 97, 140, 172, 191, 199, 193, 180, 160, 133, 103, 74, 53, 36, 21, 10, 4, 1

7, 8, 10, 11, 14

**A008146 MEI T1**  $O(IT) = 111, O(PL) = 7$

1, 4, 9, 18, 30, 46, 63, 93, 121, 142, 161, 193, 212, 218, 214, 226, 205, 176, 156, 114, 55, 0, -68, -132, -218, -302, -358, -464, -524, -579, -659, -706, -712, -741, -716, -728, -651, -570, -502, -413, -269, -166, 4, 118, 287, 427, 559, 694, 842, 899, 1004, 1044, 1102, 1098, 1062, 997, 940, 833, 735, 555, 434, 293, 142, -3, -146, -296, -390, -515, -565, -653, -727, -725, -717, -730, -691, -680, -584, -529, -460, -363, -304, -245, -110, -75, -8, 43, 103, 157, 188, 196, 238, 211, 232, 223, 190, 167, 151, 115, 102, 60, 42, 24, 12, 8, 2, -5, 2, 1, 2, 3, 1

7, 9, 12, 15, 17, 22, 23

**A008147 MEI T2**  $O(IT) = 111, O(PL) = 7$

1, 4, 10, 17, 30, 46, 67, 90, 119, 142, 169, 186, 210, 218, 226, 216, 203, 178, 159, 112, 55, -6, -65, -134, -221, -301, -377, -443, -528, -588, -655, -687, -724, -724, -738, -698, -667, -574, -503, -388, -296, -147, -21, 153, 268, 425, 560, 719, 816, 926, 979, 1065, 1086, 1094, 1050, 1006, 920, 847, 711, 581, 417, 283, 146, 5, -160, -283, -403, -482, -576, -658, -713, -722, -729, -715, -707, -652, -602, -522, -455, -374, -311, -217, -144, -51, -14, 52, 100, 159, 180, 208, 205, 232, 218, 220, 190, 169, 145, 125, 87, 73, 41, 27, 15, 9, 3, -1, -2, 3, 0, 1, 1

7, 9, 12, 15, 17, 22, 23



**A008148 MEI T3**  $O(IT) = 121, O(PL) = 8$

1, 4, 10, 16, 26, 46, 66, 93, 110, 147, 173, 182, 189, 222, 208, 161, 117, 110, 68, -46,  
-128, -199, -251, -357, -450, -539, -562, -654, -657, -735, -693, -701, -650,  
-632, -470, -429, -253, -206, 74, 209, 370, 460, 783, 857, 1061, 1042, 1282, 1295, 1361,  
1259, 1367, 1161, 1155, 874, 860, 559, 394, 34, -40, -402, -493, -870, -886, -1153,  
-1171, -1373, -1247, -1383, -1237, -1344, -1048, -1051, -833, -793, -474, -416,  
-129, -130, 206, 233, 453, 476, 642, 592, 761, 657, 773, 649, 654, 552, 543, 418, 417,  
227, 207, 104, 54, -40, -92, -155, -143, -220, -204, -203, -192, -173, -143, -122,  
-87, -78, -40, -18, -16, -8, -6, 1, 6, -2, -2, 0, -2

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7, 9, 10, 12, 15, 17, 22, 23

**A008149 MEI T4**  $O(IT) = 110, O(PL) = 7$

1, 4, 9, 18, 30, 39, 67, 97, 117, 137, 167, 195, 221, 218, 210, 205, 220, 200, 139, 92, 69,  
6, -64, -138, -199, -296, -389, -441, -506, -607, -671, -715, -713, -728, -751,  
-717, -641, -566, -491, -423, -294, -145, 2, 146, 274, 408, 557, 697, 834, 920, 978,  
1047, 1108, 1135, 1080, 990, 932, 843, 715, 578, 423, 301, 158, -7, -142, -297, -429,  
-500, -596, -650, -705, -754, -725, -701, -703, -671, -631, -509, -429, -395,  
-293, -202, -156, -73, -18, 48, 98, 142, 203, 226, 220, 243, 230, 218, 201, 164, 140,  
129, 94, 61, 33, 21, 12, 0, -2, 1, -3, 3, 9, 3

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7, 9, 12, 15, 17, 22, 23

**A008150 MEL T1**  $O(IT) = 78, O(PL) = 7$

1, 4, 12, 21, 36, 62, 84, 108, 127, 140, 152, 149, 119, 72, 21, -56, -122, -210, -301,  
-381, -434, -479, -505, -490, -456, -364, -255, -139, -20, 146, 298, 430, 545, 630,  
678, 724, 699, 626, 551, 435, 291, 150, -1, -154, -243, -358, -459, -493, -499, -490,  
-424, -384, -319, -210, -119, -57, 23, 71, 108, 158, 151, 140, 128, 111, 83, 69, 33,  
18, 16, 2, -3, 0, 3, 0, 2, 0, -1, -1

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5, 7, 8, 10, 11, 13, 16

**A008151 MEL T2**  $O(IT) = 74, O(PL) = 7$

1, 4, 11, 23, 38, 60, 89, 109, 125, 145, 150, 137, 116, 75, 18, -50, -136, -218, -295,  
-376, -442, -480, -500, -484, -435, -367, -259, -132, 0, 150, 294, 424, 545, 634,  
684, 704, 688, 629, 541, 421, 284, 146, -1, -141, -263, -366, -439, -484, -497, -480,  
-437, -371, -296, -214, -129, -48, 20, 76, 114, 138, 151, 142, 123, 108, 87, 59, 37,  
22, 12, 4, -1, 0, 2, 1

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5, 7, 8, 10, 11, 13, 16

**A008152 MEL T3**  $O(IT) = 79, O(PL) = 7$

1, 4, 12, 23, 38, 61, 87, 103, 127, 149, 146, 134, 113, 78, 23, -44, -141, -207, -283,  
-380, -450, -485, -500, -477, -424, -381, -271, -136, -2, 144, 297, 413, 542, 637,  
681, 709, 708, 635, 541, 424, 273, 151, 14, -142, -270, -362, -444, -476, -494, -489,  
-445, -369, -305, -215, -129, -46, 27, 75, 106, 133, 156, 140, 128, 109, 87, 58, 40,  
23, 12, 5, -2, -2, 2, 3, 0, 1, 0, -1, -1

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5, 7, 8, 10, 11, 13, 16

**A008153 MEL T4**  $O(IT) = 77, O(PL) = 7$

1, 4, 12, 23, 38, 58, 83, 109, 130, 144, 148, 139, 118, 77, 17, -47, -124, -213, -298,  
-379, -449, -477, -492, -492, -445, -369, -269, -140, -3, 139, 303, 432, 534, 636,  
692, 711, 700, 635, 534, 436, 302, 143, 3, -146, -271, -364, -446, -495, -492, -481,  
-450, -380, -307, -217, -119, -44, 17, 77, 117, 142, 155, 146, 130, 112, 85, 58, 36,  
21, 10, 3, -2, -3, 0, 1, 1, 1, 1

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5, 7, 8, 10, 11, 13, 16

**A008154 MEL T5**  $O(IT) = 74, O(PL) = 7$

1, 4, 11, 22, 36, 56, 86, 115, 130, 143, 153, 146, 119, 70, 7, -45, -111, -221, -321,  
-391, -441, -462, -486, -504, -450, -357, -267, -139, 4, 145, 316, 446, 523, 623,  
696, 707, 693, 625, 519, 438, 314, 139, -3, -141, -273, -360, -447, -506, -486, -457,  
-440, -389, -317, -220, -106, -39, 7, 71, 120, 144, 153, 142, 127, 115, 86, 54, 35, 21,  
10, 4, 0, 0, 2, 1

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5, 7, 8, 10, 11, 13, 16

**A008155 MEL T6**  $O(IT) = 77, O(PL) = 7$

1, 4, 11, 23, 38, 56, 84, 114, 130, 138, 144, 145, 128, 77, 7, -54, -126, -219, -298,  
-368, -428, -464, -503, -513, -443, -349, -257, -134, -12, 121, 292, 431, 530, 632,  
686, 690, 685, 627, 540, 457, 313, 138, 1, -132, -249, -331, -431, -508, -506, -481,  
-442, -370, -302, -226, -135, -71, -7, 75, 129, 148, 148, 135, 126, 119, 91, 62, 45,  
25, 9, 5, 4, 1, 1, 0, -3, -3, -1

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5, 7, 8, 10, 11, 13, 16

**A008156 MEL T7**  $O(IT) = 80, O(PL) = 7$

1, 4, 12, 21, 40, 62, 79, 111, 129, 141, 147, 140, 110, 80, 31, -59, -121, -215, -290,  
-376, -443, -492, -491, -481, -450, -360, -279, -135, -2, 145, 280, 429, 536, 634,  
690, 709, 704, 639, 546, 422, 284, 149, 9, -137, -267, -356, -448, -486, -493, -497,  
-430, -382, -299, -224, -125, -55, 32, 74, 103, 149, 144, 141, 128, 113, 83, 68, 36,  
20, 12, 5, 1, -1, -1, 2, 2, -1, 1, 0, -1, -1

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5, 7, 8, 10, 11, 13, 16

**A008157 MEP T1**  $O(IT) = 90, O(PL) = 7$

1, 4, 12, 24, 38, 56, 71, 75, 82, 87, 79, 63, 50, 40, 13, 4, -31, -73, -110, -140, -197,  
-229, -242, -272, -281, -247, -239, -227, -172, -132, -85, -9, 43, 86, 171, 212,  
270, 353, 386, 383, 393, 408, 350, 279, 255, 172, 119, 80, 6, -87, -117, -162, -224,  
-232, -264, -295, -289, -240, -232, -198, -149, -137, -72, -34, -3, -1, 39, 51,  
65, 95, 96, 89, 73, 74, 60, 40, 29, 16, 10, -3, 3, -6, -7, -11, -5, -2, 2, 4, 3, 3

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3, 5, 8, 13, 14, 17, 19

**A008158 MEP T2**  $O(IT) = 88, O(PL) = 7$

1, 4, 12, 23, 38, 54, 67, 79, 86, 82, 77, 67, 49, 29, 36, 4, -29, -73, -116, -158, -170,  
-218, -272, -276, -253, -263, -237, -200, -194, -155, -65, -16, 38, 99, 147, 212,  
333, 351, 359, 398, 404, 365, 365, 326, 213, 171, 140, 69, 12, -52, -148, -182, -188,  
-239, -278, -282, -281, -268, -213, -179, -170, -119, -95, -38, -1, 19, 7, 45, 86,  
94, 91, 95, 79, 62, 55, 49, 30, 14, -1, 9, -2, -5, -9, -3, -9, 0, 6, 6

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3, 5, 8, 13, 14, 17, 19

**A008159 MEP T3**  $O(IT) = 91, O(PL) = 7$

1, 4, 12, 25, 40, 51, 68, 88, 82, 80, 64, 71, 76, 44, -9, -28, -20, -54, -95, -148, -201,  
-226, -246, -268, -282, -281, -265, -206, -139, -85, -107, -27, 15, 97, 189, 233,  
285, 307, 416, 411, 415, 404, 315, 297, 249, 201, 89, 51, -23, -47, -85, -151, -218,  
-265, -265, -318, -264, -278, -246, -197, -136, -79, -94, -32, -32, 23, 44, 44, 59,  
60, 116, 86, 104, 76, 71, 52, 17, 0, -4, 1, -8, -4, 4, 8, -4, -12, 0, -8, 0, 0, 12

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3, 5, 8, 13, 14, 17, 19

**A008160 MER T1**  $O(IT) = 10, O(PL) = 3$

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1, 3, 5, 8, 11, 11, 8, 5, 3, 1  
1, 3, 5

**A008161 MFI T1**  $O(IT) = 233, O(PL) = 7$

1, 4, 12, 22, 41, 61, 88, 125, 159, 198, 249, 293, 351, 392, 441, 485, 516, 563, 580, 599,  
627, 626, 651, 640, 623, 626, 602, 598, 546, 522, 485, 442, 407, 329, 292, 226, 138, 89,  
-15, -96, -195, -286, -375, -490, -591, -688, -785, -885, -986, -1052, -1124,  
-1234, -1294, -1361, -1412, -1457, -1550, -1563, -1569, -1600, -1597, -1610,  
-1545, -1524, -1465, -1390, -1333, -1212, -1140, -1012, -898, -853, -701, -606,  
-497, -439, -392, -252, -202, -140, -115, -45, 48, 79, 138, 211, 303, 359, 429, 532,  
602, 678, 744, 827, 892, 932, 959, 1041, 1066, 1025, 1073, 1079, 1103, 1084, 1049, 1091,  
1081, 1065, 1046, 1076, 1102, 1051, 1082, 1083, 1076, 1078, 1042, 1095, 1078, 1043, 1062,  
1089, 1096, 1038, 1066, 1091, 1089, 1084, 1039, 1065, 1040, 971, 927, 907, 820, 750, 677,  
600, 544, 424, 363, 294, 214, 131, 65, 63, -35, -103, -148, -210, -261, -387, -430,  
-497, -606, -711, -844, -888, -1010, -1150, -1215, -1330, -1376, -1454, -1530,  
-1548, -1601, -1605, -1600, -1573, -1557, -1544, -1459, -1419, -1363, -1298,  
-1237, -1127, -1055, -1001, -873, -787, -687, -590, -503, -373, -286, -187, -92,  
-2, 84, 129, 223, 288, 338, 404, 431, 487, 523, 543, 590, 601, 619, 634, 636, 652, 625,  
625, 604, 582, 562, 513, 490, 446, 393, 350, 289, 256, 202, 156, 122, 86, 62, 42, 24, 11, 4,  
-2, 1, 0, 2, 0, 1

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10, 13, 22, 32, 34, 46, 70

**A008162 MFI T10**  $O(IT) = 211, O(PL) = 8$

1, 4, 11, 22, 36, 60, 89, 109, 131, 160, 183, 190, 197, 202, 187, 179, 181, 162, 136, 112,  
90, 69, 45, 16, -19, -42, -60, -87, -136, -209, -246, -277, -329, -382, -423, -438,  
-437, -431, -481, -528, -514, -495, -495, -515, -516, -470, -396, -352, -335,  
-311, -268, -176, -108, -63, -5, 85, 173, 239, 300, 330, 388, 471, 540, 611, 662, 728,  
793, 845, 847, 811, 790, 751, 729, 665, 555, 477, 419, 351, 230, 97, -23, -75, -100, -186,  
-254, -303, -317, -336, -397, -491, -530, -499, -515, -515, -513, -486, -393,  
-337, -335, -331, -262, -187, -87, -10, 9, 100, 202, 263, 298, 314, 342, 418, 499,  
500, 513, 522, 512, 524, 474, 381, 341, 345, 303, 245, 186, 106, 76, 7, -120, -243, -333,  
-395, -463, -554, -679, -731, -753, -802, -817, -841, -840, -784, -714, -670,  
-620, -544, -480, -390, -326, -294, -234, -159, -77, 6, 53, 85, 172, 269, 315, 344,  
361, 401, 476, 515, 489, 481, 503, 526, 537, 482, 427, 434, 442, 418, 369, 321, 282, 261,  
216, 137, 86, 59, 38, 13, -23, -51, -63, -80, -109, -137, -161, -181, -184, -188,  
-201, -195, -184, -178, -162, -137, -111, -90, -62, -36, -20, -10, -3, 1, 0, -2,  
-1

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5, 8, 13, 22, 23, 32, 34, 70

**A008163 MFI T11**  $O(IT) = 202, O(PL) = 7$

1, 4, 12, 22, 38, 58, 88, 113, 137, 164, 191, 207, 239, 253, 274, 300, 312, 322, 329, 320,  
318, 330, 326, 309, 292, 283, 267, 239, 177, 128, 65, 24, -24, -89, -158, -208, -252,  
-310, -407, -480, -556, -606, -642, -705, -766, -789, -810, -841, -880, -912,  
-909, -893, -858, -836, -810, -786, -716, -652, -605, -569, -478, -385, -261,  
-154, -48, 47, 183, 291, 371, 446, 507, 587, 676, 712, 738, 770, 769, 786, 756, 698, 653,  
663, 622, 577, 520, 484, 425, 371, 259, 176, 104, 48, 16, -18, -80, -115, -130, -182,  
-225, -254, -251, -224, -168, -152, -118, -71, -16, 12, 58, 94, 178, 263, 360, 425,  
488, 525, 582, 627, 644, 653, 703, 754, 784, 788, 758, 744, 706, 670, 582, 524, 442, 373,  
289, 183, 48, -47, -166, -255, -377, -483, -566, -606, -655, -708, -778, -824,  
-842, -862, -882, -906, -903, -889, -837, -813, -793, -776, -704, -638, -586,  
-555, -490, -416, -312, -255, -205, -155, -88, -21, 27, 63, 121, 172, 242, 273, 282,  
292, 308, 328, 328, 319, 317, 328, 321, 317, 296, 275, 256, 239, 206, 190, 162, 137, 114,  
89, 60, 37, 20, 13, 4, 0, 1, 1

5, 13, 22, 23, 32, 34, 70

**A008164 MFI T12**  $O(IT) = 228, O(PL) = 7$

1, 4, 12, 23, 38, 58, 85, 114, 138, 158, 187, 217, 237, 257, 274, 287, 314, 332, 328, 315,  
320, 335, 322, 305, 301, 303, 294, 264, 241, 206, 185, 159, 131, 110, 63, 35, 1, -48, -108,  
-181, -229, -264, -319, -391, -434, -464, -503, -550, -599, -637, -684, -713,  
-740, -746, -782, -816, -802, -811, -825, -839, -813, -753, -740, -711, -655,  
-565, -518, -506, -449, -383, -319, -276, -234, -169, -133, -103, -68, -44, -51,  
-42, 20, 75, 83, 97, 161, 216, 248, 252, 307, 385, 411, 435, 472, 517, 515, 513, 551, 564,  
547, 506, 536, 580, 542, 503, 523, 545, 538, 532, 530, 542, 543, 536, 545, 548, 536, 520,  
547, 547, 518, 501, 526, 576, 549, 518, 548, 573, 550, 499, 512, 506, 475, 447, 416, 390,  
316, 247, 242, 222, 147, 93, 92, 73, 27, -36, -50, -47, -79, -120, -143, -157, -220,  
-262, -320, -388, -442, -506, -525, -578, -658, -703, -726, -740, -819, -846,  
-823, -807, -809, -822, -786, -747, -725, -710, -686, -639, -602, -554, -510,  
-470, -431, -377, -317, -263, -231, -193, -108, -47, -4, 30, 64, 115, 140, 165, 183,  
202, 230, 258, 294, 303, 304, 310, 325, 337, 320, 308, 320, 331, 318, 293, 280, 261, 235,  
214, 186, 157, 138, 116, 88, 60, 38, 22, 11, 2, -2, -2, 0, 1, 2, 1

5, 13, 22, 32, 34, 46, 70

**A008165 MFI T2**  $O(IT) = 194, O(PL) = 8$

1, 4, 12, 22, 39, 64, 91, 117, 158, 209, 246, 290, 341, 406, 449, 471, 510, 529, 547, 527, 498,  
490, 405, 337, 279, 183, 53, -90, -183, -280, -429, -577, -684, -738, -841, -993,  
-1012, -1085, -1138, -1173, -1210, -1201, -1256, -1233, -1197, -1163, -1191,  
-1212, -1076, -1007, -1006, -989, -866, -759, -651, -607, -491, -316, -235, -64,  
72, 296, 399, 585, 819, 960, 1151, 1276, 1497, 1689, 1786, 1876, 2046, 2190, 2197, 2187,  
2192, 2248, 2187, 2105, 1955, 1917, 1787, 1588, 1493, 1295, 1158, 945, 861, 714, 549, 366,  
276, 267, 56, -113, -229, -230, -391, -575, -730, -848, -922, -1175, -1287, -1464,  
-1616, -1792, -1885, -1944, -2129, -2169, -2225, -2187, -2208, -2225, -2160,  
-1994, -1916, -1843, -1671, -1488, -1273, -1168, -977, -815, -581, -416, -286,  
-55, 51, 219, 346, 504, 605, 658, 771, 867, 977, 976, 1033, 1110, 1198, 1142, 1159, 1214,  
1228, 1252, 1178, 1212, 1177, 1136, 1090, 1028, 981, 830, 762, 696, 572, 429, 286, 196,  
86, -66, -182, -252, -350, -421, -498, -496, -522, -547, -528, -514, -474, -453,  
-400, -335, -295, -250, -203, -149, -118, -92, -66, -41, -22, -13, 0, 2, 0, -6, 0,  
-1

10, 13, 14, 17, 22, 32, 35, 46

**A008166 MFI T3**  $O(IT) = 226, O(PL) = 7$

1, 4, 12, 23, 37, 61, 87, 108, 134, 169, 188, 203, 236, 263, 278, 293, 310, 332, 324, 319,  
322, 320, 313, 308, 321, 314, 287, 251, 236, 216, 181, 136, 135, 127, 94, 35, -18, -46,  
-134, -183, -223, -272, -313, -376, -394, -460, -535, -578, -607, -623, -691,  
-707, -726, -718, -779, -814, -827, -818, -843, -855, -789, -745, -724, -694,  
-646, -565, -572, -505, -451, -384, -316, -288, -180, -157, -127, -127, -106,  
-50, -68, -22, 23, 77, 112, 95, 198, 184, 221, 208, 323, 396, 413, 457, 488, 557, 489, 493,  
515, 542, 558, 508, 584, 562, 559, 526, 505, 544, 480, 522, 536, 585, 554, 525, 569, 550,  
527, 500, 522, 548, 510, 531, 542, 569, 553, 521, 561, 535, 539, 487, 530, 522, 477, 442,  
419, 420, 308, 244, 207, 190, 178, 90, 125, 67, 38, -31, -59, -41, -117, -115, -150,  
-139, -207, -265, -310, -372, -453, -519, -556, -576, -644, -695, -725, -734,  
-803, -837, -840, -814, -833, -831, -770, -728, -713, -720, -674, -625, -617,  
-580, -528, -462, -410, -384, -308, -270, -206, -189, -124, -66, -26, 32, 95, 126,  
135, 152, 185, 218, 223, 235, 283, 312, 323, 315, 327, 327, 316, 312, 308, 330, 314, 305,  
282, 268, 235, 203, 184, 163, 134, 109, 91, 71, 37, 19, 10, 2, -2, 0, 3, 2

5, 13, 22, 32, 34, 46, 70

**A008167 MFI T4**  $O(IT) = 235, O(PL) = 8$

1, 4, 12, 21, 36, 60, 86, 110, 137, 156, 178, 194, 202, 193, 183, 188, 179, 164, 140, 105, 83, 77, 52, -1, -14, -25, -31, -32, -91, -122, -146, -147, -160, -196, -232, -250, -219, -252, -285, -337, -392, -375, -373, -405, -441, -425, -398, -365, -351, -386, -371, -342, -289, -278, -273, -268, -208, -146, -172, -129, -83, -14, 67, 109, 146, 212, 327, 345, 348, 401, 385, 449, 444, 388, 373, 399, 373, 329, 288, 228, 250, 267, 211, 189, 225, 265, 289, 321, 256, 308, 356, 329, 346, 273, 256, 235, 281, 182, 121, 108, 22, 66, 36, -19, -26, -15, 1, -2, 25, -45, 21, 22, 2, 15, -24, -2, 5, 36, -53, -22, 19, -23, 44, -6, -26, 22, 27, 33, -39, -26, -97, -79, -96, -216, -219, -283, -266, -281, -316, -351, -335, -279, -329, -277, -307, -286, -185, -196, -211, -285, -216, -266, -255, -321, -424, -356, -400, -371, -426, -447, -415, -401, -335, -379, -287, -214, -177, -74, -78, 14, 73, 137, 130, 155, 224, 259, 306, 271, 274, 327, 357, 393, 368, 384, 378, 436, 444, 397, 388, 350, 383, 339, 306, 253, 226, 247, 219, 200, 153, 136, 155, 127, 104, 37, 29, 17, 24, -5, -63, -73, -82, -92, -126, -169, -191, -190, -187, -194, -196, -196, -181, -149, -140, -112, -88, -64, -37, -18, -11, -2, 3, 0, -3, -1, -1

5, 8, 13, 22, 32, 34, 46, 70

**A008168 MFI T5**  $O(IT) = 169, O(PL) = 8$

1, 4, 12, 24, 38, 63, 93, 123, 157, 206, 246, 300, 339, 395, 450, 477, 509, 525, 544, 528, 495, 481, 422, 337, 253, 152, 52, -116, -254, -395, -552, -713, -893, -991, -1149, -1323, -1424, -1520, -1591, -1691, -1753, -1747, -1742, -1727, -1699, -1602, -1505, -1422, -1259, -1064, -897, -702, -479, -205, 44, 267, 504, 826, 1137, 1335, 1581, 1868, 2140, 2332, 2528, 2708, 2889, 3013, 3077, 3194, 3230, 3151, 3073, 3049, 2931, 2648, 2421, 2184, 1927, 1559, 1131, 792, 453, -3, -449, -781, -1151, -1570, -1909, -2152, -2439, -2688, -2925, -3007, -3058, -3192, -3251, -3163, -3053, -3022, -2904, -2713, -2523, -2332, -2131, -1863, -1586, -1354, -1133, -805, -506, -299, -43, 226, 494, 682, 876, 1075, 1279, 1416, 1482, 1608, 1714, 1727, 1738, 1748, 1746, 1687, 1588, 1536, 1433, 1306, 1135, 1004, 905, 701, 540, 405, 261, 114, -62, -147, -245, -343, -428, -473, -490, -531, -545, -523, -506, -483, -448, -390, -336, -305, -249, -203, -155, -124, -94, -62, -38, -26, -13, -3, 0, -1, -1

10, 13, 14, 17, 22, 23, 32, 35

**A008169 MFI T6**  $O(IT) = 203, O(PL) = 7$

1, 4, 12, 22, 40, 60, 84, 112, 134, 157, 192, 208, 229, 263, 292, 297, 303, 325, 328, 314, 325, 321, 319, 312, 317, 299, 247, 223, 166, 137, 72, 16, -20, -78, -117, -192, -287, -355, -414, -476, -548, -587, -647, -688, -722, -781, -844, -899, -911, -879, -888, -882, -862, -816, -774, -786, -764, -708, -639, -550, -433, -357, -245, -141, -40, 50, 115, 218, 343, 473, 570, 639, 684, 731, 763, 719, 703, 724, 736, 748, 733, 705, 650, 569, 500, 443, 350, 305, 257, 266, 187, 103, 31, -56, -108, -189, -203, -220, -181, -170, -165, -168, -203, -194, -178, -132, -67, 8, 100, 186, 274, 278, 310, 363, 427, 489, 551, 638, 719, 727, 766, 745, 736, 703, 704, 754, 701, 695, 640, 597, 480, 346, 233, 105, 45, -56, -147, -239, -334, -415, -547, -636, -716, -768, -797, -790, -811, -857, -862, -873, -881, -924, -898, -845, -794, -729, -691, -635, -571, -548, -480, -431, -363, -288, -198, -114, -76, -9, 14, 78, 129, 155, 211, 246, 306, 316, 315, 330, 322, 324, 308, 320, 320, 307, 298, 300, 264, 228, 207, 189, 156, 133, 112, 89, 71, 40, 18, 10, 4, -1, 0, 0, 2

5, 13, 22, 23, 32, 34, 70

**A008170 MFI T7**  $O(IT) = 200, O(PL) = 7$

1, 4, 12, 24, 38, 55, 86, 120, 140, 155, 185, 222, 240, 249, 269, 299, 321, 320, 319, 323, 324, 319, 322, 321, 294, 270, 267, 247, 189, 104, 65, 46, -19, -106, -169, -200, -240, -319, -408, -485, -543, -607, -652, -687, -758, -818, -825, -806, -857, -946, -937, -860, -829, -855, -849, -764, -688, -657, -629, -559, -475, -379, -273, -151, -51, 38, 174, 325, 389, 401, 486, 629, 691, 690, 699, 774, 822, 771, 723, 709, 686, 632, 605, 601, 536, 460, 417, 391, 298, 138, 68, 79, 49, -49, -101, -89, -112, -178, -243, -257, -254, -237, -179, -117, -98, -102, -35, 52, 76, 65, 126, 290, 399, 419, 453, 542, 612, 602, 619, 671, 704, 734, 787, 826, 770, 692, 693, 695, 619, 477, 409, 404, 335, 175, 26, -62, -141, -262, -385, -482, -558, -618, -649, -687, -768, -854, -858, -828, -862, -938, -937, -846, -810, -836, -828, -760, -683, -646, -606, -545, -487, -407, -322, -248, -199, -164, -104, -19, 44, 61, 101, 190, 249, 268, 270, 294, 320, 318, 320, 328, 325, 319, 320, 319, 299, 271, 250, 240, 222, 185, 155, 140, 120, 86, 55, 38, 24, 12, 4, 1

5, 13, 22, 23, 32, 34, 70

**A008171 MFI T8**  $O(IT) = 226, O(PL) = 7$

1, 4, 12, 21, 37, 62, 86, 109, 134, 164, 190, 211, 238, 257, 277, 301, 310, 314, 330, 330,  
322, 315, 321, 315, 306, 295, 292, 273, 242, 209, 180, 156, 142, 101, 67, 37, -8, -49,  
-111, -169, -236, -281, -317, -365, -432, -472, -511, -549, -608, -630, -688,  
-703, -736, -759, -785, -778, -820, -830, -831, -817, -807, -785, -739, -681,  
-659, -592, -529, -482, -435, -384, -322, -288, -205, -186, -127, -106, -74,  
-63, -43, -19, 24, 38, 99, 100, 168, 189, 263, 276, 314, 340, 415, 469, 472, 486, 511,  
545, 550, 537, 540, 539, 548, 535, 532, 546, 516, 547, 518, 541, 536, 545, 544, 546, 534,  
530, 540, 549, 529, 539, 519, 524, 522, 527, 555, 553, 556, 529, 559, 535, 520, 488, 470,  
452, 418, 372, 322, 284, 229, 175, 161, 107, 96, 53, 15, 3, -46, -56, -98, -94, -150,  
-169, -218, -265, -322, -360, -458, -494, -550, -582, -646, -675, -745, -777,  
-811, -808, -828, -833, -819, -789, -785, -766, -721, -700, -677, -650, -608,  
-562, -499, -479, -427, -389, -303, -274, -216, -181, -114, -60, 3, 28, 74, 103,  
149, 161, 185, 197, 235, 261, 286, 294, 309, 318, 335, 325, 313, 320, 315, 320, 320, 308,  
278, 265, 232, 209, 187, 160, 131, 112, 89, 70, 35, 18, 8, 4, -4, 1, 2, 4

5, 13, 22, 32, 34, 46, 70

**A008172 MFI T9**  $O(IT) = 203, O(PL) = 7$

1, 4, 11, 23, 39, 61, 89, 108, 130, 165, 192, 208, 231, 264, 289, 294, 300, 316, 337, 333,  
319, 313, 316, 319, 308, 287, 259, 223, 181, 130, 77, 20, -45, -84, -119, -193, -272,  
-351, -415, -474, -540, -603, -655, -698, -736, -762, -833, -891, -900, -891,  
-880, -896, -884, -832, -772, -741, -751, -722, -634, -532, -454, -366, -265,  
-147, -20, 63, 139, 225, 337, 476, 555, 616, 678, 735, 759, 748, 728, 722, 742, 723, 709,  
691, 637, 584, 511, 468, 381, 292, 247, 225, 192, 96, 13, -48, -94, -153, -204, -211,  
-215, -183, -170, -178, -191, -200, -150, -103, -62, -10, 81, 188, 252, 284, 302,  
375, 453, 499, 570, 628, 690, 725, 752, 757, 721, 708, 731, 757, 730, 673, 617, 565, 488,  
351, 225, 125, 57, -31, -156, -265, -357, -440, -524, -627, -727, -764, -758, -783,  
-827, -877, -880, -866, -888, -906, -896, -842, -776, -738, -693, -642, -592,  
-538, -477, -416, -351, -284, -205, -120, -71, -29, 27, 77, 121, 169, 213, 256, 286,  
314, 336, 326, 310, 310, 323, 330, 315, 304, 299, 294, 268, 229, 199, 186, 166, 133, 111,  
92, 64, 39, 21, 10, 3, -1, 0, 2, 1

5, 13, 22, 23, 32, 34, 70

**A008173 MFS T1**  $O(IT) = 59, O(PL) = 7$

1, 4, 12, 23, 38, 57, 76, 86, 83, 63, 23, -31, -114, -192, -256, -299, -316, -290, -223,  
-111, 23, 147, 282, 390, 451, 461, 422, 326, 216, 61, -77, -193, -287, -320, -326,  
-286, -221, -152, -70, 8, 51, 90, 100, 98, 90, 62, 35, 18, -1, -11, -11, -10, -5, 0,  
-1, 1, 3, 0, 2

4, 5, 6, 7, 7, 10, 10

**A008174 MFS T2**  $O(IT) = 60, O(PL) = 8$

1, 4, 11, 20, 37, 57, 65, 67, 47, 8, -53, -133, -200, -246, -272, -267, -207, -100,  
41, 166, 318, 439, 506, 526, 442, 341, 163, -64, -258, -415, -525, -544, -512, -383,  
-235, -94, 81, 177, 280, 292, 278, 262, 169, 88, 15, -56, -80, -100, -93, -46, -32,  
-5, 3, 8, 10, 2, 0, -2, 0, -2

4, 4, 5, 6, 7, 7, 10, 10

**A008175 MFS T3**  $O(IT) = 51, O(PL) = 7$

1, 4, 12, 24, 41, 59, 73, 89, 82, 53, 18, -45, -108, -180, -260, -294, -306, -284, -221,  
-121, 9, 162, 292, 399, 465, 469, 423, 306, 190, 31, -95, -205, -292, -312, -310, -272,  
-206, -120, -57, 26, 57, 82, 99, 77, 67, 41, 24, 12, 4, -1, -2

4, 5, 6, 7, 7, 10, 10

**A008176 MFS T4**  $O(IT) = 62, O(PL) = 8$

1, 4, 12, 26, 38, 51, 65, 66, 43, -4, -61, -119, -193, -262, -276, -259, -187, -88, 18,  
207, 339, 428, 525, 491, 440, 322, 95, -61, -262, -446, -493, -529, -486, -359, -231,  
-62, 94, 179, 255, 310, 272, 217, 155, 65, 16, -39, -86, -79, -69, -60, -30, -12, 0,  
11, 6, 4, 2, 0, -2, 0, 0, -2

4, 4, 5, 6, 7, 7, 10, 10

**A008177 MFS T5**  $O(IT) = 76, O(PL) = 8$

1, 4, 12, 19, 35, 63, 92, 109, 126, 140, 144, 99, 23, -68, -193, -323, -451, -590, -653,  
-662, -626, -458, -284, -38, 321, 654, 907, 1132, 1245, 1337, 1255, 973, 651, 256,  
-122, -498, -917, -1201, -1301, -1348, -1191, -1023, -811, -415, -60, 196, 473,  
608, 695, 747, 651, 534, 400, 226, 97, -1, -110, -165, -190, -156, -144, -119, -77,  
-42, -16, 1, -2, 15, 20, 0, 2, -2, -2, 0, 0, -4

5, 7, 7, 8, 8, 10, 10, 12

**A008178 MFS T6**  $O(IT) = 67, O(PL) = 8$

1, 4, 10, 22, 36, 63, 93, 108, 116, 127, 94, 21, -68, -175, -318, -456, -559, -603,  
-549, -489, -320, 4, 312, 583, 886, 1104, 1228, 1160, 945, 697, 339, -154, -589, -877,  
-1116, -1238, -1233, -1009, -713, -419, -118, 245, 502, 603, 640, 631, 561, 380, 221,  
74, -15, -107, -173, -156, -126, -116, -74, -38, -18, 8, 1, 5, 8, -2, 0, 0, -4

5, 6, 7, 7, 8, 8, 10, 10

**A008179 MFS T7**  $O(IT) = 72, O(PL) = 8$

1, 4, 12, 22, 40, 61, 88, 124, 128, 124, 130, 108, 21, -86, -229, -320, -427, -589, -686,  
-655, -557, -457, -244, -26, 334, 689, 961, 1076, 1247, 1302, 1187, 983, 563, 179,  
-151, -473, -981, -1165, -1296, -1281, -1116, -973, -779, -368, 18, 196, 483, 557,  
665, 722, 641, 427, 356, 237, 82, -7, -130, -144, -138, -134, -150, -84, -63, -34,  
-18, -12, 2, 5, 6, -4, 0, -4

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5, 7, 7, 8, 8, 10, 10, 12

**A008180 MFS T8**  $O(IT) = 69, O(PL) = 8$

1, 4, 12, 24, 38, 65, 96, 104, 128, 150, 122, 68, 27, -80, -195, -330, -493, -555, -606,  
-659, -627, -445, -232, 56, 326, 611, 911, 1154, 1277, 1238, 1143, 921, 617, 247, -179,  
-605, -859, -1117, -1272, -1267, -1192, -961, -643, -386, -86, 226, 411, 625, 681,  
630, 587, 505, 358, 221, 78, -27, -62, -132, -160, -142, -114, -92, -69, -42, -22,  
-10, -4, 1, 2

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5, 7, 7, 8, 8, 10, 10, 12

**A008181 MON T1**  $O(IT) = 26, O(PL) = 5$

1, 4, 11, 22, 38, 48, 48, 38, 0, -32, -72, -102, -96, -89, -35, 3, 29, 58, 48, 45, 23, 6,  
4, -2, 1, 1

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3, 4, 4, 6, 6

**A008182 MOR T1**  $O(IT) = 93, O(PL) = 8$

1, 4, 12, 22, 38, 60, 87, 110, 138, 165, 166, 154, 139, 114, 53, -41, -111, -193, -306,  
-405, -480, -539, -622, -648, -587, -533, -483, -367, -172, 17, 157, 346, 548, 683,  
776, 889, 1004, 998, 921, 891, 855, 717, 517, 364, 213, -8, -216, -357, -501, -710,  
-872, -905, -912, -981, -1002, -899, -783, -688, -541, -333, -158, -33, 164, 378,  
488, 533, 581, 641, 624, 543, 485, 405, 296, 192, 117, 45, -57, -117, -137, -154, -163,  
-162, -140, -112, -86, -58, -38, -23, -13, -4, 1, -1, -1

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6, 7, 8, 9, 13, 13, 14, 20

**A008183 MOR T2**  $O(IT) = 95, O(PL) = 8$

1, 4, 12, 20, 37, 64, 86, 109, 137, 161, 168, 156, 134, 107, 48, -26, -105, -183, -300,  
-406, -474, -534, -607, -650, -618, -533, -474, -373, -186, -4, 148, 325, 560,  
706, 777, 865, 999, 1011, 934, 881, 864, 718, 525, 387, 254, 0, -251, -372, -495, -701,  
-873, -893, -929, -996, -994, -876, -794, -719, -562, -322, -153, -21, 150, 360,  
481, 539, 612, 645, 614, 548, 489, 413, 297, 178, 108, 42, -35, -111, -141, -153, -164,  
-165, -143, -115, -91, -63, -33, -19, -12, -5, 2, 2, -2, -1, -1

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6, 7, 8, 9, 13, 13, 14, 20

**A008184 MOR T3**  $O(IT) = 94, O(PL) = 8$

1, 4, 11, 24, 39, 54, 85, 121, 140, 155, 164, 161, 139, 101, 60, -15, -129, -222, -283,  
-368, -491, -590, -616, -611, -603, -547, -454, -352, -221, -12, 231, 377, 468,  
624, 833, 959, 969, 967, 958, 892, 798, 733, 606, 344, 109, -7, -112, -329, -586, -731,  
-816, -909, -958, -948, -952, -962, -854, -638, -459, -363, -230, -4, 206, 350,  
461, 558, 603, 601, 612, 601, 506, 369, 273, 214, 131, 20, -58, -101, -142, -161, -162,  
-155, -141, -125, -88, -52, -36, -23, -11, -3, 1, 0, -2, -1

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6, 7, 8, 9, 13, 13, 14, 20

**A008185 MOR T4**  $O(IT) = 94, O(PL) = 8$

1, 4, 11, 24, 39, 60, 91, 117, 132, 155, 172, 159, 127, 89, 46, -15, -109, -208, -291,  
-386, -485, -554, -598, -625, -617, -565, -444, -318, -207, -36, 185, 373, 506,  
662, 827, 915, 933, 965, 992, 914, 778, 695, 588, 386, 163, 9, -158, -395, -590, -689,  
-780, -919, -988, -962, -938, -912, -816, -668, -517, -369, -184, 28, 202, 320,  
443, 560, 619, 627, 598, 557, 492, 389, 283, 204, 115, 18, -50, -89, -122, -159, -172,  
-155, -137, -121, -92, -58, -36, -23, -11, -3, 1, 0, -2, -1

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6, 7, 8, 9, 13, 13, 14, 20

**A008186 MTN T1**  $O(IT) = 60, O(PL) = 6$

1, 4, 12, 25, 43, 67, 90, 117, 139, 151, 149, 139, 107, 55, -9, -90, -176, -272, -345,  
-402, -437, -438, -400, -338, -256, -137, -17, 110, 227, 325, 401, 435, 450, 425,  
368, 289, 208, 120, 21, -49, -106, -151, -176, -170, -152, -136, -107, -69, -38,  
-19, -3, 13, 10, 3, 2, 0, -4, -5, -2, -2

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5, 6, 8, 10, 10, 13

**A008187 MTN T2**  $O(IT) = 58, O(PL) = 6$

1, 4, 12, 23, 35, 53, 75, 79, 78, 74, 76, 56, 39, -17, -68, -115, -158, -204, -224, -224,  
-244, -208, -167, -104, -69, 11, 109, 153, 188, 221, 250, 238, 215, 185, 147, 95, 22,  
-1, -61, -93, -86, -85, -95, -75, -61, -60, -32, -11, 4, 0, 8, 11, 6, -3, 6, 3, -6,  
-6

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3, 5, 8, 10, 10, 13

**A008188 MTN T3**  $O(IT) = 58, O(PL) = 6$

1, 4, 12, 23, 32, 51, 84, 84, 68, 74, 66, 65, 50, 2, -110, -114, -160, -194, -223, -200,  
-235, -254, -118, -129, -81, -11, 143, 138, 174, 235, 242, 253, 170, 232, 176, 76, 18,  
2, -35, -158, -56, -60, -86, -104, -57, -54, -81, 10, -8, 21, -10, 20, 12, 0, 12, 12,  
0, -24

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3, 5, 8, 10, 10, 13

**A008189 MTT T1**  $O(IT) = 119, O(PL) = 9$

1, 4, 12, 23, 43, 65, 88, 116, 139, 146, 149, 136, 119, 72, 20, -30, -99, -175, -224,  
-301, -317, -340, -404, -445, -429, -450, -498, -537, -517, -451, -343, -294,  
-198, 83, 337, 514, 692, 914, 1114, 1288, 1251, 1188, 1177, 1172, 1004, 860, 704, 580,  
448, 321, 29, -213, -431, -719, -973, -1251, -1582, -1740, -1760, -1788, -1727,  
-1605, -1320, -1009, -685, -484, -254, 38, 288, 442, 608, 660, 850, 1043, 1116, 1160,  
1200, 1229, 1279, 1176, 916, 712, 555, 348, 100, -144, -310, -361, -419, -514, -569,  
-513, -467, -427, -407, -419, -367, -295, -281, -249, -192, -111, -34, 25, 63, 97,  
142, 162, 145, 140, 124, 96, 71, 44, 21, 12, 4, -1, -2

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5, 7, 7, 11, 11, 18, 18, 20, 20

**A008190 MTT T2**  $O(IT) = 118, O(PL) = 9$

1, 4, 12, 24, 40, 63, 92, 124, 143, 165, 186, 209, 197, 173, 117, 68, -40, -121, -262,  
-367, -507, -600, -743, -781, -859, -838, -851, -747, -661, -472, -291, -82,  
149, 434, 692, 936, 1187, 1389, 1623, 1638, 1798, 1772, 1811, 1558, 1429, 1172, 939, 464,  
168, -405, -646, -1164, -1529, -1868, -2102, -2323, -2438, -2424, -2304, -2159,  
-1899, -1569, -1215, -662, -414, 93, 466, 905, 1110, 1490, 1600, 1775, 1774, 1824,  
1646, 1653, 1415, 1201, 939, 718, 416, 177, -48, -316, -502, -612, -747, -848, -834,  
-889, -797, -736, -615, -510, -367, -282, -150, -35, 84, 100, 181, 204, 207, 197,  
182, 142, 125, 90, 64, 41, 28, 10, 0, -3, -2, -2, 2, 2

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5, 9, 9, 11, 11, 14, 14, 20, 20

**A008191 MTT T3**  $O(IT) = 133, O(PL) = 9$

1, 4, 12, 22, 40, 66, 93, 112, 143, 179, 198, 219, 235, 260, 265, 244, 200, 145, 88, 46, -110,  
-204, -319, -448, -643, -828, -942, -1081, -1182, -1291, -1379, -1303, -1266,  
-1282, -1099, -864, -528, -315, 104, 475, 930, 1318, 1664, 2075, 2575, 2846, 2986,  
3163, 3281, 3195, 2978, 2726, 2383, 2095, 1455, 806, 141, -393, -1151, -1919, -2482,  
-2894, -3436, -3817, -4191, -4282, -4175, -4188, -3921, -3525, -2880, -2446,  
-1988, -1201, -496, 129, 779, 1318, 2012, 2454, 2757, 2917, 3147, 3349, 3126, 3033,  
2837, 2593, 2184, 1725, 1291, 901, 587, 112, -320, -504, -811, -1078, -1244, -1323,  
-1327, -1351, -1277, -1267, -1058, -930, -865, -678, -457, -330, -212, -96, 19,  
92, 163, 189, 219, 285, 261, 235, 231, 210, 171, 150, 113, 95, 66, 47, 22, 9, 4, -1, -2

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5, 11, 11, 14, 14, 18, 18, 20, 20

**A008192 MTT T4**  $O(IT) = 135, O(PL) = 9$

1, 4, 12, 22, 40, 64, 94, 120, 137, 166, 213, 218, 239, 257, 258, 237, 213, 155, 82, 25, -61,  
-245, -317, -446, -668, -798, -933, -1087, -1211, -1273, -1360, -1337, -1272,  
-1233, -1146, -781, -568, -325, 68, 510, 881, 1363, 1704, 2073, 2530, 2861, 2981,  
3131, 3322, 3155, 2992, 2752, 2433, 1945, 1516, 805, 163, -410, -1125, -1948, -2414,  
-2895, -3455, -3922, -4090, -4243, -4271, -4064, -4030, -3484, -2913, -2439,  
-1976, -1225, -479, 91, 748, 1457, 1894, 2480, 2764, 2914, 3190, 3280, 3177, 2987,  
2943, 2556, 2145, 1737, 1332, 897, 561, 101, -300, -510, -761, -1158, -1254, -1297,  
-1366, -1313, -1304, -1214, -1109, -929, -852, -689, -457, -316, -234, -54, 17,  
91, 147, 190, 237, 275, 265, 236, 233, 210, 170, 131, 120, 96, 76, 39, 24, 9, 2, -5, -2, 0, 4

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5, 11, 11, 14, 14, 18, 18, 20, 20

**A008193 MTT T5**  $O(IT) = 129, O(PL) = 9$

1, 4, 12, 24, 41, 61, 93, 116, 142, 159, 176, 182, 188, 159, 138, 81, 68, -24, -84, -182,  
-247, -337, -414, -549, -603, -714, -780, -841, -886, -847, -808, -707, -625,  
-397, -238, 27, 229, 599, 753, 1150, 1266, 1562, 1699, 1927, 1881, 1992, 1976, 1868,  
1692, 1451, 1104, 813, 483, -51, -398, -871, -1171, -1760, -1847, -2346, -2394,  
-2569, -2597, -2653, -2382, -2328, -2021, -1710, -1227, -938, -421, 21, 342, 874,  
1108, 1412, 1640, 1951, 1882, 2018, 1923, 1898, 1715, 1625, 1277, 1133, 861, 585, 254,  
55, -227, -436, -583, -744, -815, -852, -868, -883, -769, -738, -624, -548, -419,  
-336, -249, -174, -95, -26, 61, 82, 138, 165, 189, 191, 173, 165, 140, 123, 97, 66, 43,  
22, 10, 0, -3, -2, -2, 2, 2

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5, 7, 11, 11, 14, 18, 18, 20, 20

**A008194 MTT T6**  $O(IT) = 124, O(PL) = 9$

1, 4, 12, 22, 42, 65, 90, 114, 142, 177, 200, 204, 214, 220, 213, 148, 72, -2, -53, -180,  
-310, -444, -523, -645, -806, -924, -950, -970, -1031, -1026, -896, -767, -643,  
-473, -228, 174, 391, 759, 1066, 1464, 1708, 1920, 2131, 2336, 2436, 2436, 2181, 2128,  
1882, 1450, 1043, 531, 120, -374, -882, -1538, -1922, -2264, -2647, -3013, -2957,  
-3116, -2991, -2929, -2731, -2322, -1870, -1520, -1070, -380, 192, 489, 1039, 1474,  
1786, 2196, 2151, 2360, 2450, 2418, 2093, 1894, 1808, 1438, 1064, 787, 389, 212, -148,  
-483, -655, -755, -900, -1070, -991, -992, -972, -896, -822, -673, -519, -450,  
-336, -184, -41, -2, 68, 148, 189, 226, 228, 206, 210, 187, 138, 112, 92, 71, 42, 20, 12,  
4, -1, -2

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5, 9, 11, 11, 14, 14, 18, 20, 20

**A008195 MTT T7**  $O(IT) = 119, O(PL) = 9$

1, 4, 12, 24, 44, 65, 84, 118, 142, 146, 144, 140, 124, 82, 9, -34, -126, -146, -224, -303, -352, -328, -393, -382, -486, -480, -518, -477, -504, -500, -430, -216, -96, 96, 258, 446, 834, 1004, 1086, 1076, 1287, 1266, 1286, 972, 934, 873, 948, 550, 392, 194, 159, -210, -434, -860, -1009, -1213, -1568, -1682, -1811, -1773, -1716, -1496, -1301, -971, -860, -438, -252, 147, 126, 416, 570, 840, 893, 986, 990, 1260, 1308, 1235, 1146, 1064, 990, 814, 540, 224, 102, -68, -204, -452, -482, -518, -477, -504, -506, -512, -362, -383, -372, -322, -287, -228, -158, -120, -56, 17, 78, 100, 142, 166, 138, 146, 122, 90, 71, 44, 22, 12, 4, -1, -2

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5, 7, 7, 11, 11, 18, 18, 20, 20

**A008196 MTW T1**  $O(IT) = 86, O(PL) = 9$

1, 4, 11, 22, 38, 59, 83, 97, 110, 117, 115, 81, 18, -56, -139, -255, -388, -498, -595, -649, -659, -608, -442, -211, 19, 327, 666, 1040, 1316, 1473, 1584, 1575, 1413, 1091, 616, 149, -331, -905, -1432, -1834, -2016, -2067, -2018, -1824, -1422, -891, -311, 167, 630, 1099, 1423, 1576, 1574, 1471, 1312, 1031, 658, 314, 5, -222, -446, -609, -661, -643, -589, -497, -384, -251, -135, -50, 24, 84, 113, 115, 108, 94, 83, 59, 36, 21, 11, 3, -1, 0, 2, 1

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5, 6, 7, 9, 9, 11, 11, 12, 12

**A008197 MTW T2**  $O(IT) = 86, O(PL) = 9$

1, 4, 11, 22, 38, 59, 81, 99, 110, 118, 110, 82, 29, -55, -153, -257, -369, -503, -597, -664, -667, -574, -442, -258, 37, 334, 693, 1016, 1289, 1508, 1590, 1580, 1408, 1050, 662, 171, -389, -883, -1432, -1824, -2022, -2079, -2024, -1814, -1422, -869, -369, 189, 676, 1058, 1418, 1581, 1580, 1506, 1285, 1007, 685, 321, 23, -269, -446, -575, -669, -658, -591, -502, -365, -253, -149, -49, 35, 85, 108, 116, 108, 96, 81, 59, 36, 21, 11, 3, -1, 0, 2, 1

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5, 6, 7, 9, 9, 11, 11, 12, 12

**A008198 MTW T3**  $O(IT) = 79, O(PL) = 8$

1, 4, 12, 21, 37, 61, 80, 106, 122, 137, 148, 139, 94, 58, -6, -117, -250, -372, -489, -579, -658, -727, -704, -588, -445, -279, -5, 303, 628, 896, 1119, 1283, 1412, 1409, 1269, 1024, 775, 417, -6, -404, -769, -1055, -1255, -1390, -1430, -1299, -1102, -884, -643, -302, 9, 268, 457, 598, 685, 733, 673, 575, 475, 377, 256, 111, 8, -55, -106, -133, -144, -146, -119, -102, -81, -62, -37, -20, -12, -5, 2, -1, -1

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5, 7, 9, 9, 11, 11, 12, 12

**A008199 MTW T4**  $O(IT) = 77, O(PL) = 8$

1, 4, 12, 23, 37, 58, 81, 107, 127, 133, 141, 140, 109, 59, -34, -130, -228, -353, -502, -607, -670, -681, -681, -611, -475, -236, 33, 307, 577, 897, 1137, 1303, 1380, 1362, 1255, 1067, 746, 380, 0, -380, -746, -1067, -1255, -1362, -1380, -1303, -1137, -897, -577, -307, -33, 236, 475, 611, 681, 681, 670, 607, 502, 353, 228, 130, 34, -59, -109, -140, -141, -133, -127, -107, -81, -58, -37, -23, -12, -4, -1

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5, 7, 9, 9, 11, 11, 12, 12

**A008200 MTW T5**  $O(IT) = 85, O(PL) = 9$

1, 4, 12, 21, 37, 57, 82, 102, 117, 110, 103, 80, 35, -45, -148, -254, -387, -511, -598, -654, -657, -562, -458, -256, 20, 351, 684, 1017, 1287, 1499, 1592, 1596, 1380, 1053, 668, 167, -384, -901, -1383, -1782, -2023, -2127, -2037, -1793, -1369, -926, -377, 182, 665, 1043, 1408, 1568, 1594, 1501, 1303, 1005, 696, 359, 14, -270, -447, -579, -658, -643, -604, -512, -387, -248, -155, -45, 40, 84, 97, 121, 109, 103, 84, 57, 33, 22, 12, 5, -2, 1, 1

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5, 6, 7, 9, 9, 11, 11, 12, 12

**A008201 MTW T6**  $O(IT) = 83, O(PL) = 9$

1, 4, 12, 24, 39, 54, 80, 105, 116, 111, 99, 76, 32, -52, -143, -268, -386, -498, -602, -649, -625, -583, -439, -243, 28, 361, 690, 1004, 1281, 1476, 1601, 1539, 1337, 1080, 652, 161, -385, -927, -1363, -1725, -2025, -2100, -2025, -1725, -1363, -927, -385, 161, 652, 1080, 1337, 1539, 1601, 1476, 1281, 1004, 690, 361, 28, -243, -439, -583, -625, -649, -602, -498, -386, -268, -143, -52, 32, 76, 99, 111, 116, 105, 80, 54, 39, 24, 12, 4, 1

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5, 6, 7, 9, 9, 11, 11, 12, 12

**A008202 MTW T7**  $O(IT) = 84, O(PL) = 9$

1, 4, 12, 23, 38, 58, 78, 98, 116, 117, 105, 66, 20, -35, -134, -256, -392, -509, -569, -632, -660, -586, -458, -232, 31, 303, 647, 1008, 1299, 1491, 1552, 1559, 1422, 1096, 680, 159, -354, -838, -1373, -1798, -2013, -2105, -2037, -1829, -1412, -903, -405, 129, 629, 1066, 1423, 1552, 1559, 1525, 1335, 1043, 689, 340, 41, -223, -445, -594, -668, -637, -591, -532, -408, -268, -143, -38, 26, 67, 106, 124, 117, 102, 88, 60, 37, 23, 12, 4, -1, -2

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5, 6, 7, 9, 9, 11, 11, 12, 12



**A008203 NAT T1**  $O(IT) = 29, O(PL) = 3$

1, 4, 9, 18, 31, 43, 58, 67, 77, 79, 67, 66, 49, 39, 28, 15, 2, -1, 2, 0, -6, -6, 0, -2, -2,  
-4, 2, 2, 2

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3, 6, 8

**A008204 NAT T2**  $O(IT) = 27, O(PL) = 4$

1, 4, 7, 12, 20, 24, 3, 8, 4, -12, -7, -12, -4, -20, -11, -8, -13, -16, 20, 12, -12,  
-32, 16, 20, 12, -12, -4

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2, 3, 3, 8

**A008205 NES T1**  $O(IT) = 116, O(PL) = 7$

1, 4, 11, 21, 36, 58, 89, 123, 157, 186, 232, 282, 319, 350, 360, 351, 342, 317, 268, 200,  
100, -21, -151, -273, -424, -596, -737, -866, -988, -1089, -1173, -1223, -1219,  
-1173, -1115, -1009, -863, -712, -499, -253, -9, 226, 459, 709, 952, 1175, 1352,  
1497, 1622, 1685, 1695, 1670, 1616, 1519, 1377, 1197, 973, 736, 480, 241, 30, -214,  
-467, -697, -870, -997, -1099, -1169, -1234, -1240, -1196, -1133, -1017, -884,  
-761, -624, -463, -305, -164, -21, 102, 202, 279, 328, 356, 381, 397, 373, 335, 296,  
240, 201, 166, 121, 85, 49, 21, 11, 3, -3, -10, -9, -5, -3, 0, 0, 1, 1, 2, 1, 2, 2, 3, 0, 1, 1

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9, 10, 11, 14, 15, 18, 23

**A008206 NES T2**  $O(IT) = 112, O(PL) = 7$

1, 4, 12, 22, 38, 57, 86, 118, 152, 195, 240, 280, 308, 337, 367, 370, 353, 313, 262, 195,  
106, -19, -152, -275, -430, -603, -736, -861, -1000, -1105, -1176, -1202, -1203,  
-1193, -1139, -1007, -840, -683, -520, -265, -1, 230, 469, 722, 967, 1170, 1329,  
1493, 1636, 1702, 1689, 1656, 1630, 1543, 1354, 1157, 981, 763, 497, 220, -6, -223,  
-476, -695, -868, -994, -1097, -1204, -1236, -1207, -1173, -1136, -1037, -877,  
-732, -616, -469, -304, -146, -12, 96, 187, 286, 332, 355, 384, 390, 365, 323, 283,  
253, 207, 158, 112, 80, 55, 23, 6, 2, -2, -5, -8, -6, -1, 1, 3, 1, 5, 3, 3, 0, 3

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9, 10, 11, 14, 15, 18, 23

**A008207 NES T3**  $O(IT) = 114, O(PL) = 7$

1, 4, 12, 20, 34, 57, 88, 125, 158, 191, 219, 275, 335, 355, 359, 353, 335, 311, 281, 215,  
91, -22, -142, -297, -427, -562, -746, -886, -981, -1099, -1186, -1210, -1219,  
-1188, -1099, -1003, -905, -711, -465, -242, -9, 218, 444, 710, 972, 1183, 1361,  
1507, 1598, 1655, 1708, 1708, 1624, 1492, 1357, 1199, 991, 725, 474, 263, 24, -238,  
-477, -688, -851, -991, -1111, -1186, -1214, -1245, -1222, -1104, -984, -904,  
-785, -617, -451, -294, -149, -38, 93, 218, 275, 316, 372, 384, 370, 368, 344, 290,  
240, 197, 158, 128, 82, 43, 24, 17, 8, -6, -9, -4, -4, 0, 0, 2, 2, 0, 2, 2, 0, 0, 2

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9, 10, 11, 14, 15, 18, 23

**A008208 NES T4**  $O(IT) = 124, O(PL) = 7$

1, 4, 12, 20, 31, 57, 84, 118, 150, 186, 232, 271, 332, 358, 370, 422, 402, 393, 421, 369,  
287, 223, 130, 42, -55, -212, -372, -528, -667, -832, -995, -1080, -1213, -1388,  
-1416, -1440, -1477, -1444, -1382, -1287, -1132, -981, -784, -501, -210, 51, 287,  
604, 946, 1194, 1443, 1705, 1878, 1996, 2068, 2168, 2219, 2129, 2003, 1879, 1712, 1498,  
1222, 946, 691, 385, 56, -238, -481, -701, -984, -1157, -1244, -1399, -1495, -1500,  
-1470, -1404, -1373, -1289, -1140, -1004, -843, -692, -539, -342, -230, -123,  
60, 151, 228, 321, 365, 409, 425, 406, 425, 410, 378, 331, 268, 248, 212, 146, 129, 81, 32,  
23, 13, -3, 0, -10, -13, -9, -3, 2, 2, 6, 2, 6, 2, 4, 0, 2

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9, 10, 14, 15, 18, 22, 23

**A008209 NES T5**  $O(IT) = 104, O(PL) = 7$

1, 4, 11, 24, 40, 63, 86, 114, 158, 207, 250, 283, 297, 327, 364, 376, 355, 300, 244, 183,  
74, -37, -138, -281, -450, -607, -747, -864, -978, -1103, -1165, -1163, -1182,  
-1206, -1127, -944, -794, -681, -498, -259, 9, 253, 467, 731, 984, 1136, 1271, 1478,  
1656, 1671, 1621, 1627, 1623, 1508, 1310, 1119, 975, 780, 472, 196, 9, -209, -474, -698,  
-819, -936, -1105, -1205, -1198, -1153, -1143, -1134, -1015, -847, -724, -613,  
-469, -290, -134, -41, 58, 189, 267, 300, 343, 374, 371, 334, 298, 286, 256, 208, 152,  
109, 90, 65, 36, 22, 11, 2, -3, 0, 4, 2

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9, 10, 11, 14, 15, 18, 23

**A008210 NES T6**  $O(IT) = 111, O(PL) = 7$

1, 4, 12, 22, 35, 55, 83, 119, 151, 183, 232, 286, 326, 348, 355, 356, 358, 344, 290, 212,  
97, -31, -163, -269, -402, -584, -754, -901, -1015, -1105, -1179, -1220, -1222,  
-1190, -1150, -1052, -868, -689, -476, -257, -26, 214, 455, 736, 1005, 1221, 1367,  
1468, 1600, 1711, 1758, 1720, 1646, 1519, 1349, 1177, 977, 774, 513, 227, -21, -281,  
-500, -711, -875, -989, -1121, -1218, -1280, -1253, -1174, -1103, -1006, -898,  
-776, -626, -446, -266, -129, -2, 90, 201, 291, 351, 385, 389, 395, 359, 314, 292, 244,  
212, 162, 108, 69, 33, 16, 12, 6, -5, -12, -15, -7, 2, 2, 6, 6, 4, 8, 0, 4

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9, 10, 11, 14, 15, 18, 23

**A008211 NES T7**  $O(IT) = 110, O(PL) = 7$

1, 4, 12, 24, 32, 50, 88, 120, 152, 179, 221, 287, 334, 354, 353, 349, 354, 342, 303, 233,  
99, -47, -156, -288, -388, -542, -767, -913, -1021, -1112, -1183, -1214, -1208,  
-1201, -1155, -1060, -917, -682, -439, -256, -53, 208, 435, 723, 1021, 1253, 1385,  
1445, 1574, 1696, 1780, 1788, 1646, 1495, 1347, 1177, 989, 777, 545, 250, -51, -296,  
-503, -708, -859, -980, -1137, -1231, -1280, -1276, -1189, -1084, -979, -927,  
-807, -626, -444, -258, -112, -23, 89, 205, 289, 352, 402, 401, 383, 356, 324, 291,  
253, 207, 162, 120, 64, 22, 16, 14, 8, -4, -15, -16, -10, 2, 4, 4, 8, 8, 0, 8

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9, 10, 11, 14, 15, 18, 23

**A008212 NON T1**  $O(IT) = 87, O(PL) = 8$

1, 4, 12, 25, 42, 65, 87, 109, 123, 130, 123, 104, 54, 2, -62, -166, -275, -345, -454,  
-544, -558, -549, -545, -442, -275, -133, 73, 322, 545, 741, 931, 1039, 1115, 1087,  
987, 838, 627, 314, 44, -236, -550, -792, -957, -1095, -1128, -1083, -991, -814,  
-618, -392, -143, 95, 263, 440, 555, 593, 595, 586, 487, 397, 299, 190, 75, 3, -68, -121,  
-139, -152, -145, -125, -98, -78, -42, -26, -2, 1, 11, 8, 5, 2, 2, 0, -3, -1, -2, -1,  
-1

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5, 5, 8, 9, 10, 12, 13, 14

**A008213 NON T2**  $O(IT) = 98, O(PL) = 8$

1, 4, 12, 24, 39, 63, 95, 118, 150, 177, 192, 202, 224, 198, 142, 98, 5, -140, -262, -397,  
-553, -689, -824, -928, -980, -1021, -953, -799, -640, -411, -74, 229, 541, 930,  
1256, 1530, 1779, 1927, 1923, 1893, 1716, 1462, 1141, 760, 277, -138, -632, -1053,  
-1383, -1706, -1894, -1911, -1930, -1871, -1590, -1350, -1061, -700, -284, 22,  
358, 601, 828, 955, 991, 1010, 1027, 886, 734, 631, 443, 261, 127, 25, -91, -150, -212,  
-223, -242, -237, -192, -147, -127, -90, -60, -42, -25, -6, 7, 4, 3, 7, 0, -6, 0, 0,  
-2, -2

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5, 9, 10, 10, 12, 13, 14, 16

**A008214 NON T3**  $O(IT) = 85, O(PL) = 8$

1, 4, 11, 23, 44, 70, 87, 102, 123, 136, 120, 101, 70, 8, -89, -171, -253, -363, -451,  
-510, -562, -595, -539, -447, -310, -99, 92, 283, 569, 785, 906, 1072, 1154, 1060,  
973, 865, 604, 312, 29, -278, -545, -804, -1003, -1052, -1116, -1144, -980, -771,  
-626, -374, -82, 96, 254, 434, 555, 620, 596, 539, 506, 392, 246, 185, 115, -28, -88,  
-87, -133, -166, -130, -111, -108, -81, -38, -18, -13, 12, 11, 0, 4, 6, -2, -2, 0,  
-4, -2

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5, 5, 8, 9, 10, 12, 13, 14

**A008215 NON T4**  $O(IT) = 91, O(PL) = 8$

1, 4, 12, 24, 41, 64, 93, 121, 148, 166, 184, 196, 167, 132, 65, -39, -168, -285, -444,  
-601, -719, -826, -884, -891, -829, -713, -480, -237, 79, 445, 798, 1095, 1407,  
1630, 1727, 1776, 1687, 1491, 1166, 758, 309, -115, -611, -1033, -1370, -1633, -1810,  
-1817, -1723, -1559, -1281, -940, -554, -186, 142, 427, 719, 862, 953, 985, 930, 793,  
668, 517, 331, 180, 31, -59, -149, -215, -233, -219, -209, -170, -122, -97, -72,  
-41, -13, 0, 8, 12, 9, 2, 0, 0, 0, -2, -4, -2

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5, 8, 9, 10, 10, 12, 13, 14

**A008216 NON T5**  $O(IT) = 91, O(PL) = 8$

1, 4, 12, 24, 40, 61, 88, 130, 141, 169, 182, 188, 169, 140, 54, -38, -146, -306, -433,  
-565, -734, -826, -855, -881, -838, -677, -503, -249, 106, 398, 768, 1114, 1358,  
1567, 1759, 1705, 1670, 1486, 1164, 762, 355, -131, -560, -966, -1356, -1592, -1739,  
-1803, -1705, -1502, -1320, -938, -584, -212, 101, 425, 617, 850, 921, 943, 924, 812,  
643, 527, 376, 172, 76, -46, -126, -201, -208, -224, -203, -171, -130, -108, -71,  
-54, -20, -8, 4, 13, 8, 4, 2, 4, -4, 4, 0, -4, -4

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5, 8, 9, 10, 10, 12, 13, 14

**A008219 PAU T1**  $O(IT) = 41, O(PL) = 3$

1, 3, 5, 9, 13, 16, 21, 22, 23, 29, 28, 24, 27, 28, 28, 31, 26, 20, 23, 31, 33, 20, 12, 25, 32,  
19, 10, 8, 6, 6, 4, 0, -4, -7, -2, 6, 1, -6, -1, 4, 2

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1, 7, 22

**A008220 PAU T2**  $O(IT) = 31, O(PL) = 3$

1, 3, 5, 9, 14, 17, 21, 24, 24, 27, 28, 25, 25, 25, 26, 28, 26, 25, 25, 25, 28, 27, 24, 24, 21,  
17, 14, 9, 5, 3, 1

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1, 7, 22

**A008221 PAU T3**  $O(IT) = 44, O(PL) = 3$

1, 3, 5, 9, 14, 17, 20, 24, 26, 25, 24, 25, 28, 28, 22, 23, 32, 31, 25, 24, 24, 28, 30, 24, 19,  
14, 12, 14, 6, -3, -2, 1, 4, 3, -2, -1, 0, -2, 0, 0, -2, 0, 2, 1

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1, 7, 22

**A008222 PAU T4**  $O(IT) = 43, O(PL) = 3$

1, 3, 5, 9, 14, 16, 19, 24, 26, 26, 24, 24, 28, 28, 27, 27, 24, 28, 32, 24, 23, 28, 26, 25, 20,  
15, 16, 7, 1, 6, 2, -2, 1, 0, 0, 0, -2, 0, 0, -2, 0, 2, 1

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1, 7, 22

**A008223 PAU T5**  $O(IT) = 31, O(PL) = 3$

1, 3, 5, 9, 13, 16, 21, 23, 24, 28, 27, 25, 27, 25, 26, 30, 26, 25, 27, 25, 27, 28, 24, 23, 21,  
16, 13, 9, 5, 3, 1

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1, 7, 22

**A008224 PAU T6**  $O(IT) = 31, O(PL) = 3$

1, 3, 5, 8, 12, 16, 20, 23, 25, 27, 28, 28, 27, 26, 26, 26, 26, 26, 27, 28, 28, 27, 25, 23, 20,  
16, 12, 8, 5, 3, 1

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1, 7, 22

**A008225 PAU T7**  $O(IT) = 29, O(PL) = 3$

1, 3, 5, 8, 13, 17, 19, 21, 22, 26, 31, 30, 25, 20, 18, 17, 14, 9, 2, -5, -5, 0, 0, -5, -8,  
-3, 5, 6, 2

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1, 7, 11

**A008226 PAU T8**  $O(IT) = 42, O(PL) = 3$

1, 3, 5, 9, 14, 17, 20, 25, 25, 24, 27, 27, 26, 24, 28, 31, 22, 21, 31, 29, 24, 25, 23, 23, 22,  
21, 15, 4, 2, 6, 4, 0, -2, -1, 2, -1, 0, 2, -3, -3, 2, 2

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1, 7, 22

**A008227 PHI T1**  $O(IT) = 23, O(PL) = 4$

1, 4, 9, 17, 27, 36, 40, 36, 27, 18, 10, 0, -10, -18, -27, -36, -40, -36, -27, -17, -9, -4, -1

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3, 4, 5, 10

**A008228 PHI T2 (also SIV T3)**  $O(IT) = 28, O(PL) = 4$

1, 4, 9, 17, 27, 35, 41, 47, 50, 48, 43, 36, 26, 10, -10, -26, -36, -43, -48, -50, -47,  
-41, -35, -27, -17, -9, -4, -1

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3, 4, 10, 10

**A008229 SGT T1**  $O(IT) = 72, O(PL) = 7$

1, 4, 11, 20, 28, 36, 35, 30, 12, 2, -5, -10, -44, -108, -125, -98, -46, -50, -70, -77,  
-35, 37, 68, 101, 88, 70, 57, 87, 150, 152, 78, -37, -21, 55, 79, 5, -121, -153, -115,  
-47, -31, -50, -80, -90, -43, 27, 94, 78, -6, -56, -14, 71, 81, 16, -49, -50, 1, 37,  
42, 20, -6, -21, -16, 5, 20, 10, -18, -28, -12, 8, 12, 4

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3, 3, 4, 8, 10, 10, 15

**A008230 SGT T2**  $O(IT) = 80, O(PL) = 7$

1, 4, 11, 19, 29, 41, 45, 51, 35, 37, 29, 17, -26, -94, -116, -125, -102, -144, -190,  
-157, -103, -5, -28, 19, 56, 115, 181, 135, 221, 151, 195, 111, 131, 178, 76, 38, -176,  
-23, -32, -39, -187, -300, -118, -110, 33, -117, -40, -46, -13, 69, 36, 154, -10,  
-16, -68, 57, 120, 29, -25, -90, 36, 47, 52, -8, -25, 0, -20, 2, 0, 20, -12, -28, -12,  
12, 20, -4, -8, -4, 4, 4

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3, 3, 8, 8, 10, 10, 15

**A008231 SGT T3**  $O(IT) = 81, O(PL) = 7$

1, 4, 11, 21, 30, 40, 47, 41, 44, 41, 32, 0, -43, -76, -107, -115, -135, -156, -152,  
-162, -83, -57, 13, 17, 46, 131, 135, 234, 143, 206, 135, 159, 158, 100, 127, -76, -15,  
-133, -28, -88, -184, -167, -226, -31, -106, 14, -68, -21, 10, 3, 124, 35, 81, -46,  
5, 20, 44, 47, -34, -4, -28, 34, 16, 17, 4, -17, 0, -10, 13, 0, -1, -12, -10, 2, 3, 5, -4,  
-2, 0, 2, 2

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3, 3, 8, 8, 10, 10, 15

**A008232 SGT T4**  $O(IT) = 68, O(PL) = 6$

1, 4, 12, 22, 34, 37, 40, 48, 56, 47, 11, -23, -28, -22, -51, -116, -148, -99, -47, -53,  
-112, -121, -41, 39, 50, 6, 4, 48, 101, 116, 119, 117, 82, 36, 30, 82, 85, 6, -104, -108,  
-22, 34, -8, -89, -79, -18, 33, 21, -10, -18, -17, -6, -1, 12, 12, -5, -17, -8, 17,  
19, 2, -12, -6, 6, 6, 0, -4, -2

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3, 3, 8, 8, 10, 15

**A008234 STI T1**  $O(IT) = 43, O(PL) = 5$

1, 4, 10, 19, 30, 46, 58, 59, 61, 65, 59, 38, 16, 2, -18, -51, -82, -98, -106, -113, -115, -109, -97, -79, -49, -17, 1, 14, 38, 63, 68, 59, 55, 56, 47, 32, 21, 10, 1, -2, 0, 2, 1  
3, 5, 8, 10, 13

**A008235 STI T2**  $O(IT) = 40, O(PL) = 5$

1, 4, 11, 19, 32, 45, 54, 62, 63, 62, 55, 39, 18, -1, -22, -50, -76, -94, -106, -116, -116, -106, -94, -76, -50, -22, -1, 18, 39, 55, 62, 63, 62, 54, 45, 32, 19, 11, 4, 1  
3, 5, 8, 10, 13

**A008236 STI T3**  $O(IT) = 43, O(PL) = 5$

1, 4, 9, 16, 31, 47, 56, 59, 64, 76, 64, 27, 3, 5, -1, -42, -94, -117, -107, -101, -105, -113, -115, -88, -38, 1, 3, -1, 27, 72, 82, 60, 51, 52, 49, 35, 20, 9, -2, -5, 0, 4, 2  
3, 5, 8, 10, 13

**A008237 STI T4**  $O(IT) = 41, O(PL) = 5$

1, 4, 12, 17, 30, 45, 60, 66, 54, 56, 57, 49, 20, -1, -24, -53, -82, -90, -99, -120, -124, -103, -88, -78, -55, -24, 1, 18, 45, 61, 60, 54, 60, 58, 49, 32, 17, 10, 4, -1, 2  
3, 5, 8, 10, 13

**A008239 THO T2**  $O(IT) = 13, O(PL) = 3$

1, 3, 5, 9, 11, 12, 14, 12, 11, 9, 5, 3, 1  
1, 3, 8

**A008240 THO T3**  $O(IT) = 15, O(PL) = 3$

1, 3, 4, 9, 13, 12, 8, 16, 13, 9, 8, 3, -3, -4, 4  
1, 3, 8

**A008241 TON T1**  $O(IT) = 44, O(PL) = 6$

1, 4, 12, 24, 38, 52, 67, 69, 48, 24, -11, -48, -88, -125, -146, -158, -156, -145, -92, -40, 14, 90, 133, 164, 178, 154, 129, 96, 38, 13, -10, -46, -61, -71, -68, -50, -30, -14, 4, 7, 2, 2, -2, -2  
4, 4, 5, 6, 10, 10

**A008242 TON T2**  $O(IT) = 38, O(PL) = 6$

1, 4, 12, 22, 37, 45, 40, 29, 4, -18, -42, -63, -65, -70, -82, -92, -91, -57, -10, 41, 93, 104, 98, 74, 55, 57, 38, 28, 6, -25, -40, -51, -41, -26, -14, -4, 1, 2  
3, 4, 4, 5, 10, 10

**A008243 TON T3**  $O(IT) = 42, O(PL) = 6$

1, 4, 12, 21, 36, 51, 59, 44, 39, 31, -1, -33, -67, -81, -123, -158, -162, -129, -83, -54, -4, 52, 88, 115, 146, 163, 143, 94, 63, 35, 3, -33, -41, -39, -55, -56, -44, -25, -11, -4, 1, 2  
3, 4, 5, 8, 10, 10

**A008244 TON T4**  $O(IT) = 51, O(PL) = 6$

1, 4, 12, 22, 39, 65, 90, 114, 122, 139, 139, 108, 52, -22, -111, -185, -273, -376, -407, -419, -368, -311, -211, -95, 69, 202, 296, 387, 400, 443, 367, 292, 194, 120, 39, -53, -107, -158, -141, -139, -107, -97, -67, -37, -24, -9, -2, 5, 2, 0, -4  
5, 6, 8, 8, 10, 10

**A008245 VFI T1**  $O(IT) = 24, O(PL) = 3$

1, 3, 7, 9, 11, 13, 17, 21, 25, 28, 28, 26, 26, 28, 28, 25, 21, 17, 13, 11, 9, 7, 3, 1  
1, 8, 14

**A008246 VFI T2**  $O(IT) = 37, O(PL) = 3$

1, 3, 6, 8, 12, 14, 16, 20, 26, 29, 33, 39, 41, 38, 43, 49, 47, 42, 41, 42, 36, 31, 33, 31, 19, 13, 13, 12, 8, 6, 5, 2, -3, -2, 0, 1, 1  
1, 14, 16

**A008247 YUG T1**  $O(IT) = 25, O(PL) = 5$

1, 4, 11, 20, 30, 34, 30, 14, -11, -42, -60, -64, -56, -39, -16, 9, 29, 39, 34, 22, 8, 2, -1, 1, 1  
3, 3, 4, 5, 7

**A008248 YUG T2**  $O(IT) = 22, O(PL) = 4$

$$\frac{1, 4, 10, 20, 31, 40, 42, 33, 17, 1, -17, -35, -42, -38, -32, -24, -11, 0, 3, 0, -2, -1}{3, 3, 5, 7}$$

**A008249 Banalsite T1**  $O(IT) = 12, O(PL) = 3$

$$\frac{1, 3, 7, 10, 16, 15, 12, 6, 1, -1, -1, -1}{1, 3, 4}$$

**A008250 Banalsite T2**  $O(IT) = 12, O(PL) = 3$

$$\frac{1, 3, 7, 12, 14, 13, 12, 8, 3, -3, -1, -1}{1, 3, 4}$$

**A008251 Cordierite T1**  $O(IT) = 35, O(PL) = 5$

$$\frac{1, 4, 10, 24, 42, 56, 97, 112, 110, 100, 85, 44, -50, -96, -156, -216, -250, -224, -186, -140, -68, 28, 65, 116, 104, 136, 89, 88, 36, 28, 10, 4, -5, 0, 2}{5, 5, 6, 8, 8}$$

**A008252 Cordierite T2**  $O(IT) = 26, O(PL) = 5$

$$\frac{1, 4, 11, 23, 44, 60, 69, 59, 29, -17, -76, -119, -142, -131, -90, -39, 25, 55, 77, 64, 54, 27, 13, 0, 1, -2}{4, 4, 5, 5, 6}$$

**A008253 Cristobalite** (also **Diamond**)  $O(IT) = 5, O(PL) = 3$

$$\frac{1, 2, 4, 2, 1}{1, 1, 2}$$

**A008254 Feldspar T1**  $O(IT) = 10, O(PL) = 3$

$$\frac{1, 3, 6, 8, 12, 8, 3, -1, -2, 2}{1, 3, 3}$$

**A008255 Feldspar T2**  $O(IT) = 8, O(PL) = 3$

$$\frac{1, 3, 6, 10, 10, 6, 3, 1}{1, 3, 3}$$

**A008256 Milarite T1**  $O(IT) = 22, O(PL) = 3$

$$\frac{1, 4, 10, 22, 43, 68, 90, 109, 129, 146, 147, 134, 115, 92, 68, 47, 26, 8, 2, 1, -1, -1}{5, 6, 8}$$

**A008257 Milarite T2**  $O(IT) = 27, O(PL) = 3$

$$\frac{1, 4, 12, 22, 36, 58, 93, 132, 151, 168, 199, 236, 240, 224, 207, 184, 171, 136, 99, 66, 42, 22, 16, 4, -5, 0, 2}{6, 8, 10}$$

**A008258 Moganite T1**  $O(IT) = 10, O(PL) = 3$

$$\frac{1, 3, 6, 12, 10, 12, -1, 1, -2, 2}{1, 3, 3}$$

**A008259 Moganite T2** (also **BGB1**)  $O(IT) = 8, O(PL) = 3$

$$\frac{1, 3, 7, 11, 11, 7, 3, 1}{1, 3, 3}$$

**A008260 Paracelsian**  $O(IT) = 8, O(PL) = 3$

$$\frac{1, 2, 3, 5, 5, 3, 2, 1}{1, 1, 5}$$

**A008261 Quartz**  $O(IT) = 9, O(PL) = 3$

$$\frac{1, 3, 7, 14, 11, 3, -1, -2, 2}{1, 2, 3}$$

**A008262 Scapolite T1**  $O(IT) = 33, O(PL) = 5$

1, 4, 11, 20, 38, 60, 70, 75, 63, 42, 17, -30, -70, -102, -134, -140, -128, -102, -66,  
-30, 17, 48, 63, 75, 68, 56, 40, 20, 9, 2, -1, 2, 2  

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4, 4, 6, 7, 9

**A008263 Scapolite T2**  $O(IT) = 31, O(PL) = 5$

1, 4, 11, 26, 41, 50, 67, 75, 59, 46, 17, -32, -67, -104, -129, -130, -129, -104, -67,  
-32, 17, 46, 59, 75, 67, 50, 41, 26, 11, 4, 1  

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4, 4, 6, 7, 9

**A008264 Tridymite (also Lonsdaleite)**  $O(IT) = 7, O(PL) = 3$

$\frac{1, 2, 5, 5, 5, 2, 1}{1, 1, 4}$

**A008265 ATO T1**  $O(IT) = 12, O(PL) = 3$

$\frac{1, 3, 7, 11, 15, 20, 20, 15, 11, 7, 3, 1}{1, 5, 5}$

**A008266 GIS T1**  $O(IT) = 9, O(PL) = 3$

$\frac{1, 3, 5, 8, 10, 8, 5, 3, 1}{1, 3, 4}$

**A008267 Coesite T1**  $O(IT) = 40, O(PL) = 6$

1, 4, 10, 21, 42, 68, 87, 84, 44, -4, -99, -195, -250, -279, -220, -100, 31, 168, 275,  
283, 253, 166, 36, -47, -101, -127, -93, -54, -23, 16, 11, 8, 3, -5, -9, -9, 0, 1, 2, 1  

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3, 4, 5, 6, 6, 7

**A008268 Coesite T2**  $O(IT) = 36, O(PL) = 6$

1, 4, 10, 21, 38, 58, 67, 48, -9, -87, -145, -183, -185, -126, -28, 88, 171, 209, 184,  
124, 34, -47, -87, -92, -66, -28, 3, 20, 23, 7, -6, -16, -11, -2, 6, 2  

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3, 3, 4, 5, 6, 7

**A009844 Keatite T1**  $O(IT) = 34, O(PL) = 4$

1, 4, 12, 26, 48, 75, 109, 136, 167, 174, 181, 163, 136, 97, 33, -15, -83, -116, -169,  
-175, -186, -161, -154, -117, -85, -56, -32, -16, 0, 1, 4, -2, 2, -2  

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5, 6, 8, 10

**A009845 Keatite T2**  $O(IT) = 35, O(PL) = 4$

1, 4, 12, 29, 50, 81, 111, 140, 160, 179, 175, 165, 135, 87, 40, -30, -78, -134, -157,  
-184, -176, -173, -143, -117, -85, -53, -29, -9, 0, 1, 0, 0, -1, -2, 1  

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5, 6, 8, 10

**A009846 -CHI T1**  $O(IT) = 111, O(PL) = 8$

1, 4, 11, 22, 40, 64, 89, 118, 151, 177, 193, 202, 192, 169, 138, 89, 26, -28, -99, -165,  
-234, -306, -383, -446, -526, -598, -659, -696, -726, -712, -677, -607, -474,  
-334, -174, 35, 218, 406, 602, 742, 884, 1017, 1095, 1162, 1222, 1240, 1227, 1201, 1115,  
978, 850, 620, 382, 153, -136, -398, -600, -845, -994, -1105, -1203, -1239, -1237,  
-1223, -1169, -1085, -1007, -899, -733, -592, -419, -215, -44, 156, 352, 463, 593,  
683, 715, 727, 704, 651, 596, 536, 447, 373, 307, 234, 164, 108, 23, -29, -79, -135,  
-169, -191, -205, -190, -175, -155, -122, -88, -64, -39, -23, -11, -4, 1, -1, 0,  
-1  

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7, 7, 8, 11, 16, 17, 19, 22

**A009847 -CHI T2**  $O(IT) = 111, O(PL) = 8$

1, 4, 10, 20, 36, 60, 86, 113, 148, 172, 188, 202, 193, 159, 118, 65, -13, -114, -200,  
-291, -383, -487, -578, -618, -661, -721, -721, -676, -609, -528, -410, -229,  
-17, 200, 411, 658, 903, 1069, 1227, 1350, 1383, 1377, 1313, 1194, 1043, 821, 574, 350,  
104, -202, -487, -681, -907, -1121, -1282, -1370, -1380, -1367, -1341, -1183,  
-974, -783, -582, -324, -76, 126, 299, 446, 584, 673, 687, 712, 727, 675, 610, 546, 462,  
367, 266, 158, 71, -8, -100, -153, -167, -202, -215, -192, -158, -136, -115, -90,  
-50, -25, -27, -26, -2, 4, -5, -7, 2, 6, 5, 1, 3, 4, 4, 1, 1, 1, 1  

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7, 7, 8, 11, 11, 16, 17, 19

**A009848 -CHI T3**  $O(IT) = 112, O(PL) = 8$

1, 3, 8, 13, 29, 53, 80, 111, 140, 174, 197, 215, 200, 182, 131, 100, -21, -65, -218, -259,  
-410, -440, -625, -584, -743, -651, -809, -629, -761, -452, -529, -175, -202,  
303, 236, 825, 687, 1270, 1071, 1609, 1197, 1678, 1124, 1518, 810, 1168, 311, 695, -198,  
117, -743, -369, -1272, -779, -1632, -1067, -1780, -1097, -1736, -886, -1389,  
-513, -931, -6, -452, 479, 0, 772, 314, 980, 451, 1022, 464, 936, 417, 791, 249, 579, 94,  
353, -79, 126, -244, -7, -316, -110, -326, -119, -259, -72, -182, -28, -94, 16,  
-55, 21, -32, 20, -20, 10, -17, 11, -6, 11, -2, 9, 0, 6, 0, 3, 0, 1

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7, 7, 8, 11, 11, 16, 17, 19

**A009849 -CHI T4**  $O(IT) = 103, O(PL) = 8$

1, 4, 6, 14, 28, 56, 80, 112, 142, 170, 196, 204, 166, 120, 71, -46, -131, -281, -376,  
-509, -526, -644, -611, -632, -510, -494, -288, -288, -46, 20, 261, 271, 562, 518,  
854, 789, 1078, 912, 1199, 903, 1098, 693, 740, 208, 274, -342, -286, -823, -746, -1151,  
-873, -1254, -880, -1113, -684, -884, -380, -643, -135, -300, 156, -54, 440, 200,  
636, 450, 755, 490, 752, 437, 588, 269, 339, 6, 117, -160, -68, -268, -128, -262, -96,  
-196, -66, -114, 0, -64, 6, -40, 11, -24, 10, -24, 6, -8, 10, -4, 10, 0, 8, 0, 4, 0, 2

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7, 7, 8, 8, 11, 11, 17, 19

**A009850 -CLO T1**  $O(IT) = 65, O(PL) = 4$

1, 4, 9, 16, 23, 31, 44, 58, 70, 82, 93, 107, 124, 137, 151, 171, 190, 198, 191, 178, 162, 134,  
97, 64, 48, 44, 23, -14, -39, -59, -93, -135, -168, -183, -199, -231, -249, -229,  
-196, -181, -174, -147, -109, -86, -71, -45, -11, 11, 12, 13, 31, 46, 40, 29, 27, 25,  
15, 1, -9, -12, -14, -18, -17, -9, -2

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7, 11, 15, 16

**A009851 -CLO T2**  $O(IT) = 64, O(PL) = 4$

1, 4, 9, 17, 27, 37, 47, 55, 62, 71, 82, 98, 119, 142, 165, 181, 188, 187, 175, 157, 138,  
119, 106, 99, 93, 86, 72, 45, 3, -53, -115, -175, -226, -259, -272, -267, -247, -219,  
-187, -154, -126, -105, -89, -76, -64, -52, -38, -20, 0, 19, 33, 40, 42, 38, 28, 15,  
2, -7, -12, -14, -12, -8, -4, -1

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7, 11, 15, 16

**A009852 -CLO T3**  $O(IT) = 67, O(PL) = 4$

1, 4, 8, 13, 22, 34, 44, 54, 68, 86, 104, 114, 123, 141, 159, 172, 180, 187, 197, 189, 159,  
131, 110, 89, 56, 13, -11, -17, -36, -73, -108, -129, -155, -199, -229, -227, -215,  
-212, -215, -196, -153, -124, -113, -95, -62, -28, -13, -8, 6, 25, 35, 31, 28, 35,  
35, 21, 9, 5, 1, -6, -14, -16, -11, -9, -9, -5, -1

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7, 11, 15, 16

**A009853 -CLO T4**  $O(IT) = 62, O(PL) = 4$

1, 4, 9, 16, 23, 32, 45, 57, 72, 89, 102, 120, 137, 151, 173, 189, 200, 205, 185, 163, 146,  
120, 103, 84, 54, 32, 2, -35, -62, -95, -131, -168, -211, -237, -247, -246, -227,  
-206, -179, -146, -127, -105, -73, -49, -31, -19, -12, 1, 18, 29, 32, 32, 28, 17, 5,  
-5, -13, -15, -14, -13, -8, -2

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7, 11, 15, 16

**A009854 -CLO T5**  $O(IT) = 68, O(PL) = 4$

1, 3, 5, 10, 18, 29, 45, 55, 62, 81, 100, 111, 119, 127, 144, 162, 173, 181, 184, 189, 186,  
157, 123, 99, 71, 31, -17, -45, -36, -37, -78, -118, -131, -145, -185, -221, -216,  
-197, -206, -230, -219, -163, -119, -116, -112, -76, -31, -11, -9, 8, 38, 48, 37,  
35, 50, 56, 37, 19, 17, 13, 1, -15, -24, -20, -18, -18, -10, -2

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7, 11, 15, 16

**A009855 -PAR T1**  $O(IT) = 58, O(PL) = 8$

1, 4, 9, 18, 30, 41, 49, 49, 34, -4, -55, -113, -173, -208, -213, -190, -119, -16, 93,  
203, 294, 357, 377, 340, 261, 150, 13, -133, -259, -345, -383, -367, -311, -213, -88,  
15, 104, 185, 219, 213, 186, 137, 77, 16, -39, -70, -71, -59, -44, -20, 3, 10, 7, 4, 2,  
-2, -4, -2

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4, 5, 5, 5, 6, 7, 9, 11

**A009856 -PAR T2**  $O(IT) = 49, O(PL) = 7$

1, 4, 9, 19, 33, 48, 64, 64, 56, 34, -3, -60, -118, -163, -198, -220, -206, -168, -106,  
-16, 67, 159, 242, 293, 307, 295, 250, 167, 74, -9, -100, -168, -206, -222, -203,  
-167, -121, -63, -5, 35, 55, 65, 65, 49, 33, 20, 9, 4, 1

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5, 5, 5, 6, 7, 9, 11

**A009857 -PAR T3**  $O(IT) = 49, O(PL) = 7$

1, 4, 10, 19, 33, 49, 59, 67, 55, 32, -5, -57, -116, -163, -198, -215, -208, -168,  
-103, -25, 71, 159, 241, 293, 308, 295, 246, 166, 78, -16, -97, -164, -207, -218,  
-203, -168, -122, -62, -5, 31, 56, 69, 61, 49, 34, 19, 10, 4, 1

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5, 5, 5, 6, 7, 9, 11

**A009858 -PAR T4**  $O(IT) = 57, O(PL) = 8$

1, 3, 8, 16, 28, 43, 50, 50, 35, 4, -47, -116, -170, -202, -214, -196, -129, -19, 85,  
176, 285, 361, 377, 344, 265, 174, 41, -128, -262, -328, -363, -387, -333, -211, -102,  
-1, 94, 176, 232, 220, 178, 140, 85, 14, -44, -64, -58, -57, -43, -15, 2, 3, 1, 2, 0, -2,  
-2

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4, 5, 5, 5, 6, 7, 9, 11

**A009859 -ROG T1**  $O(IT) = 55, O(PL) = 6$

1, 3, 7, 14, 26, 39, 44, 44, 45, 40, 19, -2, -21, -43, -67, -94, -103, -94, -77, -62,  
-53, -48, -35, -8, 5, 14, 39, 54, 53, 52, 67, 90, 96, 91, 74, 50, 23, 1, -19, -42, -46,  
-44, -44, -40, -28, -13, -6, -2, 2, 2, -2, -2

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3, 5, 6, 8, 10, 16

**A009860 -ROG T2**  $O(IT) = 46, O(PL) = 5$

1, 4, 10, 17, 25, 41, 64, 81, 88, 96, 100, 87, 61, 34, 11, -9, -33, -69, -105, -123, -121,  
-123, -133, -133, -127, -127, -127, -107, -71, -31, -1, 15, 36, 63, 85, 96, 94, 86,  
79, 66, 43, 25, 17, 10, 4, 1

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5, 6, 8, 10, 16

**A009861 -ROG T3**  $O(IT) = 55, O(PL) = 5$

1, 4, 8, 15, 25, 35, 41, 51, 60, 52, 42, 38, 30, 17, 9, 7, -7, -11, -8, -20, -31, -34, -38,  
-66, -86, -82, -88, -94, -86, -70, -52, -38, -19, -20, -16, 1, 5, 9, 7, 19, 28, 30,  
38, 46, 58, 55, 47, 39, 23, 15, 8, 2, -1, 0, 2

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3, 5, 8, 16, 20

**A009862 -WEN T1**  $O(IT) = 29, O(PL) = 3$

1, 4, 9, 16, 27, 46, 73, 101, 125, 148, 174, 200, 218, 225, 226, 225, 218, 200, 174, 148,  
125, 101, 73, 46, 27, 16, 9, 4, 1

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7, 10, 11

**A009863 -WEN T2**  $O(IT) = 32, O(PL) = 4$

1, 4, 9, 18, 30, 40, 48, 59, 72, 81, 82, 76, 68, 56, 36, 12, -12, -36, -56, -68, -76, -82,  
-81, -72, -59, -48, -40, -30, -18, -9, -4, -1

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3, 7, 10, 11

**A009864 -WEN T3**  $O(IT) = 34, O(PL) = 4$

1, 3, 9, 20, 33, 44, 48, 53, 63, 78, 90, 83, 64, 52, 40, 13, -17, -38, -50, -66, -85, -90,  
-76, -61, -55, -48, -40, -33, -22, -9, -3, 1, 0, -2

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3, 7, 10, 11

**A009865 AFX T2**  $O(IT) = 24, O(PL) = 3$

1, 4, 9, 17, 28, 40, 51, 59, 64, 68, 73, 78, 78, 73, 68, 64, 59, 51, 40, 28, 17, 9, 4, 1

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4, 5, 14

**A009866 AHT T1**  $O(IT) = 11, O(PL) = 3$

1, 2, 4, 3, 5, 5, 5, 3, 4, 2, 1

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1, 1, 8

**A009867 AHT T2**  $O(IT) = 23, O(PL) = 3$

1, 3, 6, 8, 14, 21, 25, 27, 33, 33, 27, 26, 26, 18, 6, 3, 4, 2, -3, -2, 0, 1, 1

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1, 8, 8

**A009868 CON T1**  $O(IT) = 101, O(PL) = 8$

1, 4, 10, 19, 32, 50, 72, 97, 122, 144, 162, 175, 186, 183, 147, 96, 40, -30, -123, -241,  
-352, -446, -540, -636, -717, -746, -731, -697, -637, -536, -389, -217, -21, 180,  
388, 618, 825, 992, 1111, 1215, 1312, 1316, 1266, 1184, 1042, 865, 629, 390, 145, -138,  
-381, -626, -866, -1041, -1185, -1270, -1313, -1303, -1217, -1122, -993, -824,  
-631, -399, -177, 26, 215, 386, 533, 627, 694, 740, 748, 713, 644, 557, 446, 340, 244,  
134, 32, -44, -95, -145, -187, -190, -179, -167, -144, -116, -95, -78, -52, -28,  
-17, -11, -4, 2, 1, -2, -1

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6, 9, 10, 11, 12, 13, 16, 20



**A009869 CON T2**  $O(IT) = 96, O(PL) = 7$

1, 4, 11, 18, 31, 52, 77, 98, 126, 163, 200, 229, 251, 275, 291, 263, 226, 194, 134, 39, -68,  
-177, -314, -445, -574, -704, -809, -883, -933, -972, -981, -911, -821, -706,  
-554, -358, -141, 65, 291, 528, 738, 946, 1125, 1242, 1332, 1381, 1387, 1333, 1243,  
1127, 951, 748, 541, 292, 68, -140, -347, -544, -709, -816, -908, -978, -980, -941,  
-881, -805, -708, -579, -453, -320, -179, -70, 34, 137, 195, 229, 257, 285, 282, 255,  
231, 200, 166, 127, 96, 75, 52, 35, 18, 10, 4, -2, 1, 0, 0, 1

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9, 10, 11, 12, 13, 16, 20

**A009870 CON T3**  $O(IT) = 100, O(PL) = 8$

1, 4, 10, 21, 32, 47, 73, 101, 124, 137, 159, 188, 188, 167, 136, 103, 54, -39, -138, -235,  
-339, -445, -555, -639, -701, -733, -731, -709, -640, -529, -382, -214, -33, 186,  
408, 617, 812, 980, 1128, 1229, 1290, 1316, 1268, 1164, 1026, 849, 639, 387, 125, -121,  
-378, -632, -858, -1035, -1157, -1256, -1305, -1284, -1227, -1128, -992, -827,  
-628, -415, -187, 28, 204, 373, 521, 637, 712, 738, 747, 715, 647, 561, 447, 341, 238,  
137, 41, -54, -110, -144, -173, -191, -191, -161, -134, -120, -102, -74, -44, -30,  
-21, -10, -2, 1, -2, -2

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6, 9, 10, 11, 12, 13, 16, 20

**A009871 CON T4**  $O(IT) = 101, O(PL) = 8$

1, 4, 10, 19, 32, 51, 73, 96, 120, 145, 166, 176, 182, 179, 151, 104, 40, -36, -132, -246,  
-347, -448, -543, -637, -721, -740, -732, -706, -642, -539, -366, -191, -23, 179,  
389, 626, 832, 982, 1125, 1237, 1309, 1306, 1228, 1152, 1048, 868, 633, 376, 122, -131,  
-387, -639, -862, -1036, -1151, -1241, -1315, -1307, -1233, -1123, -974, -819,  
-619, -391, -183, 23, 196, 375, 545, 641, 705, 732, 735, 713, 635, 548, 446, 339, 243,  
131, 33, -43, -102, -147, -180, -183, -175, -165, -143, -118, -94, -73, -51, -31,  
-20, -11, -3, 1, 0, -2, -1

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6, 9, 10, 11, 12, 13, 16, 20

**A009872 CON T5**  $O(IT) = 101, O(PL) = 8$

1, 4, 10, 19, 32, 51, 73, 97, 120, 144, 166, 176, 184, 178, 148, 106, 43, -41, -140, -242,  
-338, -446, -554, -642, -707, -737, -739, -708, -635, -522, -372, -209, -25, 183,  
399, 621, 817, 989, 1128, 1228, 1304, 1300, 1247, 1169, 1039, 869, 629, 377, 130, -142,  
-382, -632, -869, -1037, -1169, -1250, -1306, -1305, -1224, -1123, -981, -810,  
-618, -395, -181, 26, 212, 378, 530, 634, 704, 739, 735, 703, 638, 553, 444, 332, 238,  
137, 39, -43, -104, -147, -179, -183, -175, -165, -142, -117, -95, -74, -51, -31,  
-20, -11, -3, 1, 0, -2, -1

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6, 9, 10, 11, 12, 13, 16, 20

**A009873 CON T6**  $O(IT) = 101, O(PL) = 8$

1, 4, 11, 18, 28, 49, 76, 99, 115, 136, 168, 186, 187, 175, 143, 109, 51, -34, -132, -237,  
-331, -438, -556, -654, -718, -735, -733, -714, -649, -532, -378, -220, -45, 169,  
409, 639, 829, 978, 1111, 1228, 1306, 1314, 1260, 1176, 1054, 872, 632, 377, 127, -120,  
-362, -619, -859, -1043, -1173, -1257, -1318, -1311, -1233, -1121, -979, -835,  
-654, -419, -180, 35, 208, 371, 531, 644, 709, 738, 738, 717, 662, 566, 447, 334, 241,  
143, 36, -51, -106, -144, -177, -191, -189, -172, -138, -114, -98, -79, -51, -25,  
-18, -12, -3, 2, 2, -2, -2

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6, 9, 10, 11, 12, 13, 16, 20

**A009874 CON T7**  $O(IT) = 96, O(PL) = 7$

1, 4, 11, 19, 32, 49, 75, 105, 131, 158, 191, 237, 263, 269, 274, 267, 241, 194, 117, 34, -63,  
-173, -318, -458, -577, -693, -801, -891, -956, -969, -951, -913, -821, -708,  
-547, -348, -144, 73, 304, 521, 753, 941, 1117, 1242, 1320, 1383, 1388, 1323, 1244,  
1112, 944, 754, 522, 300, 74, -140, -344, -548, -710, -820, -915, -949, -972, -954,  
-890, -799, -695, -580, -461, -315, -174, -62, 33, 120, 193, 239, 266, 275, 270, 263,  
239, 191, 158, 129, 105, 75, 48, 33, 20, 10, 4, -1, 1, 0, 0, 1

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9, 10, 11, 12, 13, 16, 20

**A009875 DFO T1**  $O(IT) = 99, O(PL) = 4$

1, 4, 9, 16, 26, 41, 60, 82, 107, 135, 166, 198, 232, 267, 302, 339, 375, 407, 437, 465, 491,  
516, 538, 556, 562, 555, 543, 524, 496, 461, 425, 393, 362, 326, 283, 234, 182, 129, 73,  
13, -47, -100, -153, -212, -268, -315, -353, -387, -416, -439, -467, -501, -528,  
-546, -560, -566, -559, -539, -517, -496, -465, -428, -393, -362, -331, -294,  
-257, -224, -192, -160, -127, -98, -75, -47, -18, 1, 11, 16, 21, 19, 9, 7, 13, 15, 12,  
9, 9, 8, 3, 2, 4, 0, -6, -8, -8, -9, -10, -7, -2

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10, 18, 19, 31

**A009876 DFO T2**  $O(IT) = 100, O(PL) = 4$

1, 4, 10, 18, 27, 42, 62, 84, 109, 135, 166, 201, 233, 267, 304, 337, 368, 401, 440, 480, 507,  
524, 536, 541, 544, 546, 544, 529, 490, 445, 419, 404, 378, 329, 268, 214, 161, 113, 74,  
24, -37, -109, -180, -222, -250, -284, -319, -367, -424, -466, -494, -500, -500,  
-527, -554, -559, -554, -536, -512, -489, -456, -428, -409, -378, -340, -298,  
-251, -212, -184, -163, -138, -97, -52, -26, -19, -18, -11, 4, 15, 21, 22, 17, 12,  
9, 5, 1, 2, 6, 7, 1, -7, -10, -7, -2, 1, 2, -1, -6, -6, -2

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10, 18, 19, 31

**A009877 DFO T3**  $O(IT) = 96, O(PL) = 4$

1, 4, 10, 18, 28, 45, 65, 84, 106, 134, 172, 212, 242, 268, 299, 333, 369, 406, 445, 481, 502, 516, 532, 543, 540, 529, 525, 524, 503, 457, 409, 373, 346, 317, 281, 235, 175, 115, 63, 11, -44, -98, -145, -188, -245, -311, -354, -375, -394, -425, -474, -517, -536, -540, -537, -535, -542, -542, -526, -497, -454, -419, -392, -355, -320, -292, -263, -234, -193, -143, -112, -95, -78, -57, -27, -5, -1, -1, -1, 1, 7, 7, 5, 8, 9, 9, 7, 1, 0, 3, 4, 3, -1, -6, -6, -2

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10, 18, 19, 31

**A009878 DFO T4**  $O(IT) = 92, O(PL) = 4$

1, 4, 9, 17, 29, 45, 63, 82, 106, 136, 167, 197, 229, 263, 296, 332, 376, 418, 445, 463, 490, 528, 557, 564, 555, 538, 514, 492, 488, 490, 464, 406, 347, 303, 261, 213, 169, 132, 78, -5, -82, -125, -151, -187, -239, -288, -326, -369, -410, -436, -466, -506, -533, -536, -527, -531, -549, -542, -507, -484, -476, -458, -419, -370, -333, -307, -275, -238, -200, -154, -105, -73, -63, -53, -28, -4, 2, 2, 13, 27, 27, 15, 7, 7, 8, 8, 7, 1, -10, -15, -9, -2

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10, 18, 19, 31

**A009879 DFO T5**  $O(IT) = 100, O(PL) = 4$

1, 4, 9, 17, 29, 44, 62, 85, 112, 139, 168, 202, 238, 275, 307, 336, 372, 407, 435, 463, 494, 523, 539, 539, 540, 540, 525, 504, 485, 467, 438, 392, 347, 309, 266, 223, 185, 146, 92, 18, -45, -92, -149, -209, -256, -292, -330, -385, -438, -462, -475, -497, -522, -544, -556, -560, -557, -535, -507, -493, -475, -434, -381, -338, -316, -288, -243, -210, -192, -169, -133, -92, -62, -47, -35, -26, -17, 0, 17, 23, 11, -3, -1, 5, 7, 10, 12, 14, 12, 2, -1, 3, 3, 2, 0, -4, -8, -10, -7, -2

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10, 18, 19, 31

**A009880 DFO T6**  $O(IT) = 79, O(PL) = 4$

1, 4, 10, 18, 28, 45, 66, 89, 115, 141, 170, 201, 235, 274, 310, 342, 377, 411, 438, 460, 485, 517, 540, 547, 547, 542, 525, 497, 472, 452, 427, 394, 358, 318, 270, 219, 174, 130, 76, 16, -44, -102, -158, -211, -256, -296, -336, -378, -419, -454, -484, -511, -533, -546, -553, -557, -554, -533, -501, -474, -450, -423, -387, -350, -318, -282, -241, -203, -170, -141, -115, -89, -66, -45, -28, -18, -10, -4, -1

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10, 18, 19, 31

**A009881 -RON T1**  $O(IT) = 57, O(PL) = 6$

1, 4, 7, 16, 27, 42, 58, 63, 68, 74, 74, 51, 23, 5, -26, -87, -124, -124, -141, -161, -167, -164, -155, -110, -69, -48, -25, 20, 65, 64, 91, 154, 178, 156, 146, 150, 134, 106, 85, 45, 5, -22, -45, -69, -88, -67, -57, -59, -47, -28, -16, -11, -2, 2, 4, -2, -4

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3, 6, 8, 10, 10, 16

**A009882 -RON T2**  $O(IT) = 54, O(PL) = 6$

1, 4, 10, 19, 27, 37, 57, 74, 69, 61, 64, 55, 23, -13, -38, -61, -90, -136, -180, -183, -146, -115, -120, -126, -92, -44, -20, 10, 52, 90, 110, 110, 117, 150, 190, 183, 135, 89, 69, 52, 11, -29, -50, -59, -63, -67, -70, -61, -40, -26, -22, -13, -4, -1

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3, 6, 8, 10, 10, 16

**A009883 -RON T3**  $O(IT) = 63, O(PL) = 6$

1, 4, 10, 14, 23, 36, 36, 36, 43, 42, 20, 6, 12, -6, -28, -32, -44, -52, -50, -38, -55, -68, -44, -54, -77, -80, -42, -36, -57, -26, 2, 20, 35, 44, 52, 56, 91, 88, 42, 46, 57, 60, 36, 34, 52, 32, 24, 8, -6, -10, -14, -22, -47, -44, -34, -36, -29, -20, -8, -2, 1, 0, -2

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3, 3, 8, 10, 16, 20

**A009884 -RON T4**  $O(IT) = 58, O(PL) = 6$

1, 2, 4, 9, 22, 34, 47, 65, 67, 69, 75, 73, 40, 6, 1, -53, -113, -131, -135, -143, -167, -174, -173, -130, -79, -65, -44, -4, 63, 61, 48, 140, 186, 163, 140, 153, 163, 107, 95, 75, 28, -14, -43, -49, -87, -83, -61, -59, -54, -38, -21, -15, -2, 1, 3, 2, -4, -2

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3, 6, 8, 10, 10, 16

**A009885 RSN T1**  $O(IT) = 89, O(PL) = 9$

1, 4, 9, 18, 35, 49, 55, 69, 78, 76, 66, 64, 35, 13, -64, -137, -248, -290, -381, -425, -455, -419, -396, -344, -241, -40, 157, 401, 643, 857, 956, 1050, 1112, 1051, 919, 786, 525, 181, -248, -625, -917, -1175, -1353, -1405, -1415, -1386, -1181, -945, -635, -260, 210, 510, 764, 892, 1044, 1087, 1025, 989, 883, 660, 398, 176, -41, -250, -335, -375, -398, -456, -415, -385, -315, -258, -140, -58, -4, 50, 56, 70, 59, 82, 74, 54, 52, 37, 21, 8, 3, -1, 2

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3, 5, 10, 10, 11, 11, 12, 12, 13

**A009886 RSN T2**  $O(IT) = 88, O(PL) = 9$

1, 4, 10, 20, 33, 47, 66, 70, 66, 70, 74, 63, 39, -8, -66, -128, -226, -338, -387, -402, -419, -432, -414, -333, -198, -43, 158, 407, 638, 834, 992, 1046, 1036, 1057, 978, 753, 470, 118, -225, -542, -931, -1202, -1319, -1403, -1422, -1345, -1229, -941, -531, -209, 121, 466, 738, 951, 1035, 1045, 1070, 1006, 829, 641, 409, 146, -37, -181, -321, -418, -432, -423, -409, -387, -331, -224, -136, -70, -9, 33, 65, 78, 73, 63, 70, 67, 45, 33, 22, 10, 4, 1

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3, 5, 10, 10, 11, 11, 12, 12, 13

**A009887 RSN T3**  $O(IT) = 90, O(PL) = 9$

1, 4, 9, 20, 38, 47, 57, 68, 74, 68, 70, 55, 52, 10, -78, -144, -237, -319, -385, -384, -432, -398, -397, -337, -254, -80, 146, 458, 670, 828, 993, 1004, 1017, 982, 939, 797, 599, 205, -218, -645, -990, -1231, -1289, -1357, -1351, -1263, -1197, -1026, -685, -300, 165, 548, 839, 940, 1015, 984, 999, 973, 808, 734, 487, 204, -102, -218, -379, -394, -406, -395, -375, -399, -322, -261, -158, -86, 16, 62, 51, 75, 59, 64, 72, 61, 51, 38, 26, 7, 2, -1, 0, 2

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3, 5, 10, 10, 11, 11, 12, 12, 13

**A009888 RSN T4**  $O(IT) = 90, O(PL) = 9$

1, 4, 11, 20, 36, 49, 64, 65, 64, 66, 71, 71, 40, -4, -60, -148, -256, -326, -374, -396, -381, -397, -409, -369, -258, -51, 178, 406, 700, 905, 941, 971, 985, 984, 978, 829, 573, 186, -237, -641, -994, -1269, -1332, -1287, -1292, -1309, -1242, -998, -677, -272, 164, 554, 817, 1009, 1021, 984, 949, 937, 895, 708, 423, 203, -36, -259, -377, -426, -413, -377, -377, -371, -331, -267, -148, -68, -6, 42, 89, 69, 63, 56, 64, 66, 52, 38, 20, 12, 2, -2, -1, 3

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3, 5, 10, 10, 11, 11, 12, 12, 13

**A009889 RSN T5**  $O(IT) = 83, O(PL) = 9$

1, 4, 8, 19, 40, 45, 52, 58, 59, 44, 16, -2, -8, -43, -114, -181, -231, -292, -318, -326, -267, -185, -93, -3, 65, 211, 352, 534, 649, 759, 757, 739, 525, 357, 204, -59, -143, -330, -593, -853, -901, -1050, -951, -861, -601, -340, -125, -43, 214, 317, 515, 705, 781, 747, 697, 542, 346, 191, 49, 19, -103, -155, -265, -294, -364, -282, -257, -163, -126, -19, -28, 12, 6, 40, 49, 70, 54, 41, 44, 23, 4, 4, 1

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3, 5, 5, 10, 11, 11, 12, 12, 13

**A009890 RTE T1**  $O(IT) = 23, O(PL) = 4$

1, 4, 10, 18, 28, 41, 48, 43, 29, 10, -8, -26, -43, -49, -43, -33, -21, -9, -1, 3, 1, -2, -1

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3, 4, 5, 7

**A009891 RTE T2**  $O(IT) = 20, O(PL) = 4$

1, 4, 10, 21, 32, 39, 43, 39, 28, 11, -11, -28, -39, -43, -39, -32, -21, -10, -4, -1

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3, 4, 5, 7

**A009892 RTE T3**  $O(IT) = 20, O(PL) = 4$

1, 4, 11, 20, 30, 41, 44, 39, 27, 9, -9, -27, -39, -44, -41, -30, -20, -11, -4, -1

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3, 4, 5, 7

**A009893 RTH T1**  $O(IT) = 53, O(PL) = 8$

1, 4, 11, 20, 29, 36, 37, 27, -1, -45, -86, -116, -132, -124, -97, -49, 10, 67, 120, 153, 160, 154, 140, 114, 79, 41, 0, -41, -79, -114, -140, -154, -160, -153, -120, -67, -10, 49, 97, 124, 132, 116, 86, 45, 1, -27, -37, -36, -29, -20, -11, -4, -1

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3, 4, 5, 5, 6, 7, 9, 13

**A009894 RTH T2**  $O(IT) = 56, O(PL) = 8$

1, 4, 10, 20, 31, 38, 35, 19, -4, -31, -74, -119, -140, -133, -101, -50, 10, 70, 119, 150, 170, 166, 137, 108, 82, 42, 0, -43, -86, -112, -137, -164, -165, -142, -115, -72, -15, 44, 96, 130, 142, 127, 82, 36, 6, -23, -44, -46, -34, -18, -6, 0, 2, 0, -2, -1

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3, 4, 5, 5, 6, 7, 9, 13

**A009895 RTH T3**  $O(IT) = 57, O(PL) = 7$

1, 4, 10, 18, 27, 39, 58, 60, 48, 30, 7, -13, -57, -103, -140, -160, -169, -164, -151, -116, -61, 6, 70, 132, 171, 211, 235, 243, 213, 165, 131, 81, 17, -66, -117, -145, -161, -175, -166, -138, -107, -61, -15, 9, 30, 42, 63, 64, 44, 26, 17, 12, 3, -2, -2, 1, 1

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3, 5, 6, 7, 9, 10, 13

**A009896 RTH T4**  $O(IT) = 61, O(PL) = 8$

1, 4, 10, 17, 26, 40, 44, 40, 21, -11, -37, -80, -112, -134, -147, -137, -109, -68,  
-17, 45, 108, 176, 225, 238, 234, 207, 168, 111, 33, -35, -105, -163, -207, -226, -239,  
-229, -182, -116, -45, 9, 66, 113, 135, 148, 137, 115, 81, 43, 15, -19, -40, -49, -43,  
-32, -19, -8, -3, 2, 2, -1, -1

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3, 4, 5, 6, 7, 9, 10, 13

**A009897 RUT T1**  $O(IT) = 83, O(PL) = 7$

1, 4, 10, 21, 37, 57, 82, 102, 113, 118, 113, 86, 41, -14, -86, -158, -212, -261, -303,  
-319, -297, -253, -200, -125, -44, 36, 125, 212, 268, 287, 301, 304, 263, 196, 116, 24,  
-72, -143, -193, -238, -243, -198, -137, -67, 24, 121, 199, 260, 305, 310, 289, 259,  
208, 125, 33, -47, -125, -203, -260, -295, -312, -303, -264, -210, -154, -86, -12,  
44, 84, 112, 122, 116, 99, 79, 57, 36, 20, 10, 3, -1, 0, 2, 1

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5, 6, 8, 8, 9, 13, 30

**A009898 RUT T2**  $O(IT) = 74, O(PL) = 9$

1, 4, 10, 21, 36, 51, 58, 53, 31, -7, -64, -128, -170, -206, -213, -173, -118, -45, 36,  
122, 195, 218, 244, 263, 235, 236, 235, 207, 164, 86, 6, -123, -255, -346, -431, -466,  
-437, -350, -253, -127, 8, 93, 169, 213, 243, 244, 229, 255, 239, 210, 191, 122, 39, -46,  
-116, -167, -214, -209, -173, -130, -66, -6, 36, 55, 61, 55, 37, 19, 6, 1, -1, 0, 2, 1

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4, 4, 5, 6, 6, 8, 9, 13, 15

**A009899 RUT T3**  $O(IT) = 80, O(PL) = 7$

1, 4, 11, 23, 38, 57, 81, 99, 112, 119, 112, 80, 37, -14, -84, -155, -214, -260, -299,  
-310, -291, -257, -199, -122, -40, 41, 119, 201, 260, 293, 308, 290, 247, 189, 123, 30,  
-73, -140, -192, -225, -225, -192, -140, -73, 30, 123, 189, 247, 290, 308, 293, 260,  
201, 119, 41, -40, -122, -199, -257, -291, -310, -299, -260, -214, -155, -84, -14,  
37, 80, 112, 119, 112, 99, 81, 57, 38, 23, 11, 4, 1

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5, 6, 8, 8, 9, 13, 30

**A009900 RUT T4**  $O(IT) = 80, O(PL) = 7$

1, 4, 11, 21, 37, 61, 80, 99, 114, 118, 107, 85, 45, -22, -90, -149, -211, -262, -296,  
-312, -300, -255, -189, -124, -51, 35, 127, 204, 259, 296, 302, 285, 264, 202, 111, 21,  
-59, -141, -203, -225, -225, -203, -141, -59, 21, 111, 202, 264, 285, 302, 296, 259,  
204, 127, 35, -51, -124, -189, -255, -300, -312, -296, -262, -211, -149, -90, -22,  
45, 85, 107, 118, 114, 99, 80, 61, 37, 21, 11, 4, 1

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5, 6, 8, 8, 9, 13, 30

**A009901 RUT T5**  $O(IT) = 84, O(PL) = 8$

1, 4, 12, 22, 39, 53, 65, 78, 78, 58, 29, -15, -82, -140, -175, -232, -267, -249, -210,  
-154, -74, 27, 89, 157, 262, 312, 330, 306, 292, 254, 166, 107, 5, -110, -207, -261,  
-290, -345, -308, -233, -173, -57, 57, 173, 233, 308, 345, 290, 261, 207, 110, -5,  
-107, -166, -254, -292, -306, -330, -312, -262, -157, -89, -27, 74, 154, 210, 249,  
267, 232, 175, 140, 82, 15, -29, -58, -78, -78, -65, -53, -39, -22, -12, -4, -1

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4, 5, 6, 8, 8, 9, 13, 30

**A009902 VET T1**  $O(IT) = 92, O(PL) = 9$

1, 4, 12, 24, 39, 61, 91, 124, 149, 140, 116, 90, 56, -43, -187, -323, -428, -529, -586,  
-660, -699, -672, -510, -228, -22, 195, 423, 835, 1246, 1478, 1573, 1538, 1495, 1364,  
1150, 714, 18, -540, -967, -1203, -1613, -2041, -2205, -2158, -1769, -1493, -1148,  
-784, -350, 359, 910, 1329, 1411, 1455, 1689, 1624, 1478, 1031, 651, 371, 51, -78, -409,  
-625, -750, -745, -580, -607, -520, -435, -277, -85, -11, 102, 112, 141, 166, 164,  
133, 70, 48, 35, 16, 10, 1, -1, -4, -4, 3, -3, -3, -1

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6, 6, 7, 8, 8, 9, 13, 13, 14

**A009903 VET T2**  $O(IT) = 83, O(PL) = 8$

1, 4, 12, 25, 37, 53, 68, 88, 98, 103, 86, 53, 11, -29, -70, -142, -246, -296, -362,  
-360, -389, -378, -387, -303, -155, 8, 161, 271, 392, 606, 737, 820, 775, 713, 613,  
529, 421, 178, -79, -322, -435, -548, -678, -796, -831, -781, -646, -508, -364,  
-259, -60, 88, 269, 336, 373, 400, 414, 400, 331, 267, 192, 112, 78, -9, -46, -88, -101,  
-96, -105, -85, -80, -45, -29, -17, -9, -3, 1, 6, 4, 3, -3, 2, 1

---

3, 7, 8, 8, 9, 13, 13, 14

**A009904 VET T3**  $O(IT) = 85, O(PL) = 8$

1, 4, 12, 23, 37, 53, 71, 86, 98, 102, 91, 59, 6, -28, -69, -145, -236, -302, -364, -370,  
-387, -376, -392, -307, -170, 12, 164, 277, 395, 594, 739, 829, 792, 720, 605, 529, 424,  
201, -70, -322, -457, -553, -665, -789, -840, -810, -666, -504, -354, -251, -89,  
77, 268, 357, 392, 385, 410, 396, 354, 286, 194, 109, 64, 6, -40, -91, -106, -114, -99,  
-85, -75, -48, -35, -17, -10, -1, 1, 3, 4, 2, 1, 2, 2, 1, -1

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3, 7, 8, 8, 9, 13, 13, 14

**A009905 VET T4**  $O(IT) = 86, O(PL) = 9$

1, 4, 12, 23, 41, 60, 68, 70, 59, 35, -16, -86, -139, -179, -221, -215, -215, -228,  
-155, -153, -86, 16, 45, 229, 331, 477, 586, 550, 614, 464, 375, 244, -9, -105, -352,  
-431, -538, -673, -638, -724, -604, -506, -412, -217, -81, 142, 292, 473, 575, 577,  
588, 496, 426, 270, 147, 54, -49, -82, -170, -183, -238, -262, -228, -232, -145,  
-118, -53, 31, 34, 72, 72, 59, 51, 34, 30, 16, 8, 5, 0, -2, -3, -4, -2, -2, -1, 1

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4, 4, 6, 6, 7, 9, 13, 13, 14

**A009906 VET T5**  $O(IT) = 88, O(PL) = 9$

1, 4, 12, 28, 38, 60, 96, 143, 152, 123, 114, 106, 63, -68, -227, -308, -466, -574, -614,  
-633, -720, -740, -426, -150, 16, 207, 490, 928, 1264, 1512, 1672, 1556, 1419, 1308,  
1194, 675, -166, -784, -965, -1313, -1749, -2080, -2222, -2106, -1867, -1229,  
-955, -792, -248, 455, 1188, 1342, 1383, 1592, 1590, 1676, 1340, 1018, 570, 75, 48,  
-192, -402, -714, -820, -605, -626, -504, -468, -416, -221, -92, 89, 108, 120, 149,  
156, 173, 112, 46, 26, 4, 14, 4, -3, -4, -2, 12

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6, 6, 7, 8, 8, 9, 13, 13, 14

**A009907 VNI T1**  $O(IT) = 259, O(PL) = 11$

1, 4, 11, 23, 39, 63, 93, 126, 168, 202, 233, 268, 290, 302, 297, 295, 275, 257, 221,  
181, 129, 85, 35, -44, -138, -248, -357, -523, -684, -847, -1060, -1209, -1372,  
-1554, -1672, -1727, -1827, -1839, -1797, -1777, -1629, -1462, -1375, -1157,  
-803, -646, -205, 228, 465, 1043, 1591, 1956, 2532, 3181, 3535, 4055, 4686, 4815,  
5198, 5557, 5449, 5523, 5582, 5230, 5025, 4669, 4021, 3508, 2917, 2113, 1290, 510, -635,  
-1620, -2525, -3787, -4778, -5761, -6816, -7676, -8363, -9084, -9712, -9927,  
-10130, -10306, -10044, -9660, -9474, -8753, -8022, -7250, -6056, -4844, -3692,  
-2352, -803, 568, 2076, 3629, 4915, 6381, 7719, 8757, 9833, 10678, 11278, 11993, 12205,  
12376, 12396, 12153, 11727, 10921, 10289, 9325, 8286, 7107, 5650, 4296, 2858, 1483,  
-136, -1603, -2815, -4220, -5404, -6423, -7582, -8307, -8851, -9544, -9797,  
-10061, -10081, -9932, -9710, -9365, -8773, -7926, -7215, -6242, -5294, -4365,  
-3135, -2158, -1220, -161, 737, 1551, 2402, 3009, 3611, 4204, 4644, 5014, 5233, 5400,  
5438, 5412, 5273, 4919, 4668, 4270, 3832, 3380, 2794, 2320, 1798, 1386, 888, 435, 106,  
-321, -609, -823, -1164, -1325, -1425, -1637, -1673, -1715, -1763, -1704, -1610,  
-1584, -1474, -1210, -1151, -938, -750, -694, -443, -308, -254, -129, -44, -22,  
81, 128, 115, 213, 227, 193, 283, 279, 226, 278, 217, 147, 206, 152, 64, 95, 67, 9, 51, 31,  
-18, 31, 19, -14, 20, 20, 2, 30, 14, -3, 41, 25, -2, 20, 3, -11, 19, 0, -28, 5, 8, -14, 3,  
8, -8, 4, 7, -10, -3, 3, -7, -9, -3, -3, -3, 0, -1, 0, 2, 2, 1

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8, 8, 11, 19, 19, 21, 21, 26, 26, 27, 32

**A009908 VNI T2**  $O(IT) = 276, O(PL) = 11$

1, 4, 11, 19, 39, 59, 89, 130, 164, 199, 252, 267, 275, 313, 316, 268, 287, 274, 188,  
181, 178, 41, 34, 39, -107, -155, -177, -384, -509, -533, -786, -977, -979, -1235,  
-1439, -1389, -1579, -1705, -1539, -1600, -1679, -1414, -1314, -1370, -1065,  
-868, -905, -449, -182, -163, 300, 689, 818, 1430, 1909, 2126, 2686, 3259, 3300, 3752,  
4216, 4088, 4392, 4589, 4287, 4397, 4447, 3954, 3826, 3784, 3197, 2947, 2783, 1948, 1357,  
1116, 65, -622, -1000, -2168, -2969, -3331, -4343, -5238, -5316, -6145, -6787,  
-6721, -7219, -7760, -7366, -7642, -8009, -7347, -7281, -7273, -6510, -6128,  
-5907, -4840, -4002, -3543, -2301, -1369, -553, 660, 1663, 2254, 3579, 4508, 5053,  
6092, 6801, 7255, 8024, 8614, 8507, 9163, 9558, 9088, 9237, 9243, 8562, 8332, 8121, 6934,  
6377, 6146, 4895, 3992, 3388, 2029, 1120, 599, -849, -1876, -2488, -3508, -4529,  
-4987, -5853, -6462, -6610, -7217, -7604, -7429, -7672, -7776, -7475, -7539,  
-7292, -6579, -6282, -6144, -5293, -4728, -4334, -3064, -2523, -2122, -956,  
-170, 113, 1150, 1820, 1885, 2757, 3231, 3208, 3726, 4195, 3864, 4222, 4556, 4210, 4447,  
4509, 3968, 3840, 3775, 3237, 2976, 2721, 1973, 1617, 1458, 824, 490, 405, -239, -403,  
-377, -864, -1010, -965, -1357, -1496, -1302, -1550, -1679, -1388, -1630, -1657,  
-1233, -1332, -1251, -891, -936, -858, -434, -441, -459, -101, -152, -195, 116,  
68, -29, 230, 168, 62, 319, 294, 176, 318, 298, 162, 304, 274, 97, 172, 154, 25, 83, 81,  
-41, 29, 44, -55, 25, 38, -24, 18, 40, -30, 30, 66, -32, 16, 38, -28, 8, 34, -38, -12,  
32, -24, -10, 26, -10, -12, 26, -6, -12, 16, -6, -12, -2, -2, -10, 0, 0, -6, 2, 2, 2

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8, 8, 11, 19, 21, 21, 26, 26, 27, 32, 38

**A009909 VNI T3**  $O(IT) = 275, O(PL) = 12$

1, 4, 9, 20, 37, 61, 91, 113, 141, 173, 191, 203, 197, 180, 161, 111, 39, -4, -72, -109,  
-172, -174, -244, -254, -237, -362, -365, -458, -467, -609, -660, -750, -874,  
-848, -885, -857, -881, -587, -608, -385, -247, -43, 135, 271, 645, 433, 935, 853,  
1088, 1161, 1311, 1600, 1606, 2129, 1945, 2331, 2249, 2559, 2379, 2336, 2285, 1889, 1928,  
1125, 1243, 394, 457, -54, -366, -552, -1174, -959, -1913, -1753, -2511, -2596,  
-3147, -3339, -3754, -4355, -3995, -4621, -4203, -4633, -3987, -4125, -3686,  
-3260, -3375, -2372, -2405, -1570, -1538, -684, -384, 153, 763, 1201, 1985, 2513,  
3296, 3526, 4354, 4501, 5206, 5312, 5495, 5729, 5761, 5884, 5484, 5506, 5171, 5074,  
4667, 4254, 3753, 3619, 2797, 2163, 1437, 790, 291, -678, -1075, -2327, -2206, -3188,  
-3562, -4130, -4586, -4736, -5245, -5088, -6133, -5528, -6010, -5714, -5860,  
-5595, -5073, -4950, -3932, -4386, -3035, -2932, -1886, -1649, -1082, -312,  
-191, 989, 730, 1771, 1768, 2754, 2881, 3477, 3787, 3742, 4569, 4088, 4715, 4143, 4498,  
3976, 3922, 3615, 2825, 3211, 2289, 2364, 1792, 1596, 1102, 945, 666, -24, -180, -607,  
-883, -1361, -1571, -2134, -2159, -2178, -2363, -2418, -2305, -2107, -2129,  
-1884, -1815, -1721, -1388, -1308, -1321, -1049, -978, -747, -605, -445, -285,  
12, 252, 254, 562, 531, 772, 764, 861, 721, 806, 805, 577, 706, 485, 610, 391, 496, 363,  
313, 412, 174, 257, 110, 151, -15, 12, -91, -140, -110, -197, -159, -192, -96, -199,  
-62, -136, -71, -44, -84, -28, -79, 19, -69, 3, -31, -22, 10, -22, 0, -20, 12, -22,  
-2, -14, -6, -4, 4, -2, 4, 20, 6, 20, 6, 16, 6, 8, 0, -4, 0, -6, -2, -4

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6, 8, 8, 11, 19, 21, 21, 26, 26, 27, 32, 38

**A009910 VNI T4**  $O(IT) = 276, O(PL) = 12$

1, 4, 9, 20, 37, 62, 86, 115, 147, 167, 193, 198, 204, 183, 153, 110, 49, -16, -63, -117,  
-158, -205, -205, -260, -283, -296, -411, -416, -527, -542, -706, -747, -822,  
-912, -833, -935, -753, -726, -491, -458, -234, -26, 92, 401, 407, 694, 688, 1071,  
921, 1222, 1345, 1468, 1841, 1823, 2242, 2008, 2621, 2273, 2459, 2387, 2138, 2213, 1486,  
1608, 699, 895, 223, -18, -314, -766, -703, -1513, -1373, -2234, -2109, -2843,  
-2989, -3411, -3884, -3966, -4481, -4110, -4821, -4035, -4374, -3956, -3691,  
-3491, -2959, -2900, -1813, -2167, -1108, -914, -346, 144, 699, 1404, 1654, 2757,  
3058, 3826, 4082, 4729, 4989, 5385, 5640, 5613, 5767, 5808, 5704, 5330, 5265, 4915, 4874,  
4144, 3935, 3362, 2919, 2195, 1530, 883, -139, -205, -1385, -1923, -2631, -2935,  
-3760, -3969, -4509, -5041, -4925, -5472, -5497, -6247, -5482, -6063, -5614,  
-5581, -5392, -4511, -4629, -3469, -3888, -2412, -2263, -1507, -950, -685, 328,  
378, 1359, 1143, 2330, 2318, 3163, 3435, 3532, 4083, 4177, 4689, 3970, 4771, 4062, 4256,  
3916, 3403, 3211, 2746, 2906, 1808, 2126, 1447, 1302, 848, 519, 178, -384, -268, -1179,  
-1248, -1719, -1921, -2172, -2278, -2313, -2499, -2144, -2226, -2122, -1897,  
-1835, -1676, -1433, -1392, -1241, -1069, -928, -869, -555, -418, -283, 33, 186,  
307, 485, 673, 609, 896, 745, 808, 739, 803, 704, 523, 708, 359, 613, 408, 399, 321, 315,  
342, 87, 269, -9, 88, -28, -65, -165, -134, -111, -235, -105, -223, -81, -137, -61,  
-137, -60, -27, -95, 11, -88, -2, -38, 10, -38, -12, 18, -32, 14, -20, -4, -20, 12,  
-24, -8, 8, 2, 6, 8, 20, 2, 26, 8, 8, 6, 4, -2, -6, 0, -6, -2, -2

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6, 8, 8, 11, 19, 21, 21, 26, 26, 27, 32, 38

**A009911 VNI T5**  $O(IT) = 263, O(PL) = 12$

1, 4, 9, 21, 41, 59, 84, 129, 144, 166, 202, 207, 186, 181, 171, 71, 48, 14, -89, -127,  
-145, -202, -273, -243, -347, -457, -465, -567, -724, -804, -854, -999, -1018,  
-1018, -1020, -919, -732, -642, -464, -149, -61, 215, 473, 650, 874, 1190, 1383,  
1533, 1950, 2041, 2292, 2657, 2795, 2869, 3069, 3128, 2934, 2933, 2646, 2368, 2034, 1525,  
1018, 393, -117, -778, -1331, -1909, -2522, -2926, -3594, -4152, -4507, -5109,  
-5465, -5720, -6001, -6285, -6264, -5965, -5995, -5541, -4705, -4317, -3484,  
-2483, -1923, -882, 74, 1054, 1761, 2876, 4037, 4383, 5611, 6248, 6970, 7692, 8105,  
8558, 8600, 8802, 8500, 8204, 7664, 7318, 6465, 5751, 4735, 3757, 2895, 1413, 807, -747,  
-1680, -2584, -3824, -4922, -5871, -6391, -7376, -7790, -8214, -8502, -8763,  
-8230, -8618, -8124, -7246, -7082, -5955, -5668, -4386, -3979, -2853, -1811,  
-1326, 122, 768, 1845, 2607, 3452, 4133, 4983, 5292, 5885, 6024, 5952, 6219, 5701, 5860,  
4991, 5158, 4502, 3921, 3881, 2850, 2622, 1904, 1629, 676, 243, -322, -1010, -1431,  
-1979, -2236, -2822, -2485, -3064, -2926, -2876, -2891, -2513, -2628, -2144,  
-2262, -1728, -1664, -1495, -1165, -1066, -744, -522, -238, -216, 324, 299, 603,  
737, 850, 1009, 845, 1128, 743, 928, 745, 595, 611, 435, 505, 266, 397, 281, 268, 216, 152,  
107, 54, 6, -132, -92, -216, -121, -206, -203, -149, -118, -77, -111, 15, -97, 9,  
22, -47, -29, 5, 21, -61, 4, -28, -6, -2, -16, -16, -18, 22, -4, -16, -14, 34, -4,  
-16, 14, 0, -6, -2, 6, -20, 10, 6, -12, 4, 6, 6, -2, 8, 2, 0, 2, -2, 0, -2

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6, 8, 8, 11, 19, 19, 21, 21, 26, 26, 27, 32

**A009912 VNI T6**  $O(IT) = 283, O(PL) = 12$

1, 4, 10, 18, 39, 65, 82, 115, 157, 177, 204, 222, 157, 133, 95, 51, -20, -49, -109,  
-188, -150, -225, -287, -260, -320, -382, -405, -530, -640, -699, -741, -905,  
-909, -814, -942, -755, -689, -587, -363, -175, 27, 96, 436, 462, 628, 822, 875,  
1032, 1270, 1373, 1515, 1802, 1876, 2152, 2288, 2532, 2430, 2512, 2419, 2152, 2019, 1517,  
1391, 888, 651, 146, -66, -450, -821, -875, -1481, -1559, -2081, -2074, -2966,  
-3128, -3435, -4103, -3945, -4462, -4448, -4660, -4181, -4393, -3983, -3532,  
-3394, -2784, -2470, -1957, -1827, -895, -976, -159, 222, 842, 1542, 1739, 2911,  
2911, 4022, 4220, 4876, 5314, 5438, 5798, 5622, 5946, 5501, 5724, 5267, 4848, 4971,  
4647, 3902, 3675, 3294, 2424, 2309, 1468, 539, -22, -527, -1651, -2120, -2749, -3395,  
-3733, -4203, -4674, -5082, -4968, -5419, -5640, -5842, -5589, -5727, -5483,  
-5288, -5362, -4631, -4187, -3659, -3237, -2374, -2173, -1122, -830, -401, 557,  
652, 1379, 1629, 2485, 2294, 3265, 3379, 3429, 4263, 4015, 4532, 4256, 4503, 4058, 3994,  
3799, 3405, 3130, 2686, 2386, 1692, 1886, 1244, 997, 547, 477, -48, -314, -465, -1426,  
-1171, -1792, -1885, -2247, -2294, -2327, -2378, -2245, -2379, -1833, -1913,  
-1572, -1580, -1388, -1201, -1012, -838, -911, -572, -522, -191, -191, 76, 222,  
367, 574, 626, 768, 788, 898, 683, 836, 715, 632, 611, 442, 462, 325, 376, 240, 235, 252,  
171, 154, 47, 117, 49, -85, -98, -138, -144, -134, -184, -223, -150, -80, -93, -112,  
-54, -11, 5, -4, -27, 16, 26, 18, -8, -22, 10, 12, -8, -40, -22, -6, -6, -2, -20,  
-16, 18, 18, -16, -2, 14, -2, -8, -2, -10, -8, 6, -8, -8, 6, 8, 2, 4, 8, 2, 2, 0, -2,  
-2

6, 8, 8, 11, 19, 21, 21, 26, 26, 27, 32, 38

**A009913 VNI T7**  $O(IT) = 254, O(PL) = 11$

1, 4, 10, 18, 36, 64, 82, 118, 174, 194, 244, 285, 264, 298, 330, 300, 227, 286, 238,  
128, 186, 92, -50, -10, -70, -276, -358, -412, -716, -904, -922, -1238, -1449,  
-1384, -1708, -1842, -1744, -1824, -1900, -1676, -1590, -1698, -1149, -1054,  
-1120, -440, -262, -124, 781, 1051, 1154, 2108, 2565, 2639, 3826, 4228, 4148, 5144,  
5415, 4932, 5836, 5760, 5022, 5581, 5184, 4190, 4428, 3748, 2445, 2312, 1678, 126, -138,  
-1138, -2943, -3625, -4347, -6078, -6556, -7226, -8792, -9116, -9334, -10134,  
-10441, -9832, -10200, -10076, -8918, -8940, -8373, -6889, -6351, -5432, -3367,  
-2412, -1266, 730, 1732, 3056, 5223, 6449, 7164, 9280, 9626, 10393, 11736, 11838, 11895,  
12746, 12531, 11744, 12002, 11173, 10054, 9502, 8426, 7003, 5917, 4920, 2626, 1388, 128,  
-1494, -2939, -3894, -5527, -6719, -7129, -8440, -9204, -9274, -9852, -10218,  
-9681, -10146, -10036, -8878, -9000, -8270, -6904, -6446, -5465, -3985, -3431,  
-2570, -724, -258, 508, 1932, 2273, 2844, 3978, 4166, 4380, 5201, 5310, 5182, 5690,  
5342, 5039, 5016, 4822, 4056, 3922, 3469, 2563, 2432, 1908, 1121, 917, 604, -188, -256,  
-446, -1148, -1067, -1176, -1670, -1628, -1422, -1968, -1648, -1528, -1910,  
-1426, -1275, -1382, -1096, -808, -940, -538, -324, -500, -168, -18, -178, 72,  
170, -18, 244, 214, 119, 306, 288, 192, 260, 283, 120, 260, 174, 38, 142, 94, -10, 66, 38,  
-44, 51, 4, -32, 28, 24, -16, 20, 16, -20, 72, 8, -20, 48, 12, -8, 32, 0, -36, 36, 8, -36,  
12, 20, -20, 8, 12, -16, 8, 8, -12, -8, 4, -4, -8, 0, -4

8, 8, 11, 19, 19, 21, 21, 26, 26, 27, 32

**A009914 VSV T1**  $O(IT) = 55, O(PL) = 6$

1, 4, 9, 20, 38, 51, 56, 72, 78, 79, 69, 64, 58, 31, -34, -60, -129, -168, -207, -201,  
-241, -216, -213, -164, -152, -97, 2, 93, 154, 151, 239, 197, 237, 195, 203, 177, 142,  
58, 27, -17, -70, -56, -80, -58, -77, -80, -62, -49, -40, -24, -7, -2, 1, 0, -2

3, 5, 10, 10, 12, 12

**A009915 VSV T2**  $O(IT) = 55, O(PL) = 6$

1, 4, 11, 20, 36, 49, 68, 71, 70, 66, 77, 71, 54, 19, -22, -59, -121, -189, -208, -204,  
-212, -203, -219, -205, -142, -69, 2, 71, 116, 216, 230, 203, 200, 218, 204, 180, 131,  
61, 27, -22, -42, -82, -84, -74, -55, -71, -71, -50, -38, -20, -12, -2, 2, 1, -3

3, 5, 10, 10, 12, 12

**A009916 VSV T3**  $O(IT) = 48, O(PL) = 6$

1, 4, 8, 19, 44, 46, 56, 56, 66, 40, 24, -8, 2, -16, -84, -100, -120, -164, -166, -144,  
-155, -80, -28, -29, 45, 16, 80, 147, 152, 142, 180, 140, 84, 76, 12, 18, -16, -8, -36,  
-50, -80, -52, -42, -48, -23, -4, -4, -1

3, 5, 5, 10, 12, 12

**A009917 WEI T1**  $O(IT) = 20, O(PL) = 4$

1, 4, 9, 16, 23, 29, 29, 18, 0, -16, -27, -31, -27, -20, -9, 0, 3, 2, -2, -2

3, 3, 4, 6

**A009918 WEI T2**  $O(IT) = 20, O(PL) = 4$

1, 4, 8, 17, 27, 40, 42, 41, 36, 4, -4, -36, -33, -52, -36, -33, -11, -12, -2, -1

3, 4, 6, 6

**A009919 ZON T1**  $O(IT) = 48, O(PL) = 4$

1, 4, 10, 21, 34, 46, 68, 97, 111, 118, 132, 141, 145, 144, 130, 118, 110, 92, 70, 50, 34,  
23, 9, 0, 0, -9, -23, -34, -50, -70, -92, -110, -118, -130, -144, -145, -141, -132,  
-118, -111, -97, -68, -46, -34, -21, -10, -4, -1  

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5, 7, 12, 23

**A009920 ZON T2**  $O(IT) = 48, O(PL) = 4$

1, 4, 9, 19, 33, 52, 74, 90, 103, 124, 141, 139, 134, 138, 139, 125, 106, 90, 74, 51, 30, 20,  
11, 3, -3, -11, -20, -30, -51, -74, -90, -106, -125, -139, -138, -134, -139, -141,  
-124, -103, -90, -74, -52, -33, -19, -9, -4, -1  

---

5, 7, 12, 23

**A009921 ZON T3**  $O(IT) = 48, O(PL) = 4$

1, 4, 10, 18, 33, 56, 73, 84, 107, 129, 134, 138, 140, 135, 134, 128, 107, 87, 71, 54, 35,  
18, 11, 5, -5, -11, -18, -35, -54, -71, -87, -107, -128, -134, -135, -140, -138,  
-134, -129, -107, -84, -73, -56, -33, -18, -10, -4, -1  

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5, 7, 12, 23

**A009922 ZON T4**  $O(IT) = 56, O(PL) = 4$

1, 4, 9, 17, 32, 53, 74, 97, 124, 156, 190, 214, 230, 249, 262, 259, 248, 233, 215, 191, 155,  
122, 101, 75, 45, 22, 1, -22, -50, -79, -100, -121, -152, -188, -215, -231, -249,  
-262, -259, -248, -232, -214, -193, -157, -121, -98, -74, -51, -34, -18, -7, -1,  
3, 0, -4, -2  

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7, 10, 12, 23

**A009923 CaF<sub>2</sub> (1) T1**  $O(IT) = 10, O(PL) = 3$

1, 8, 35, 68, 88, 82, 29, 8, -5, 6  
2, 3, 3

**A009924 CaF<sub>2</sub> (1) T2**  $O(IT) = 8, O(PL) = 3$

1, 9, 24, 46, 42, 28, 9, 1  
1, 3, 3

**A009925 CaF<sub>2</sub> (2) T1**  $O(IT) = 7, O(PL) = 3$

1, 4, 19, 12, 19, 4, 1  
2, 2, 2

**A009926 CaF<sub>2</sub> (2) T2**  $O(IT) = 7, O(PL) = 3$

1, 8, 9, 24, 9, 8, 1  
2, 2, 2

**A009927 Cr<sub>3</sub>Si Si**  $O(IT) = 17, O(PL) = 4$

1, 12, 50, 118, 192, 220, 207, 68, -123, -236, -276, -166, -58, -8, 19, -8, -12  
3, 3, 4, 4

**A009928 Cr<sub>3</sub>Si Cr**  $O(IT) = 15, O(PL) = 3$

1, 14, 50, 113, 198, 272, 296, 270, 181, 90, 22, -11, -4, 0, 4  
3, 4, 4

**A009930 MgCu<sub>2</sub> Cu**  $O(IT) = 19, O(PL) = 6$

1, 12, 48, 83, 80, -8, -157, -296, -253, -7, 248, 307, 206, -10, -113, -100, -40, -5, 4  
2, 2, 3, 3, 3, 4

**A009931 MgCu<sub>2</sub> Mg**  $O(IT) = 18, O(PL) = 6$

1, 16, 50, 95, 92, -30, -239, -316, -197, 81, 288, 295, 118, -36, -105, -80, -32, -1  
2, 2, 3, 3, 3, 4

**A009932 MgNi<sub>2</sub> Ni<sub>2</sub>**  $O(IT) = 78, O(PL) = 9$

1, 12, 50, 108, 188, 256, 298, 288, 252, 176, 30, -216, -463, -734, -920, -1144, -1233,  
-1164, -1094, -834, -571, 152, 518, 1144, 1594, 2014, 2440, 2444, 2788, 2168, 2078,  
1178, 719, -138, -1196, -1764, -2947, -2964, -3764, -3148, -3359, -2698, -1898,  
-1108, 97, 366, 1664, 1692, 2574, 2428, 2674, 2436, 1874, 1666, 958, 752, -113, -386,  
-942, -1132, -1163, -1174, -1102, -1028, -713, -456, -198, 28, 192, 276, 286, 274,  
278, 204, 118, 30, 5, -4  

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3, 3, 6, 8, 8, 10, 10, 14, 14



**A009933 MgNi<sub>2</sub> Ni1**  $O(IT) = 74, O(PL) = 8$

1, 12, 50, 108, 192, 250, 298, 288, 265, 178, 86, -90, -295, -504, -638, -852, -932,  
-1024, -992, -940, -708, -424, -138, 272, 572, 1138, 1304, 1730, 1744, 1980, 1772,  
1648, 1317, 750, 282, -376, -691, -1366, -1568, -1868, -1850, -1876, -1706, -1316,  
-1008, -654, -324, 174, 504, 700, 942, 1016, 1034, 924, 820, 682, 485, 280, 70, -64,  
-185, -250, -304, -308, -274, -188, -116, -40, -11, 8, 2, 0, 0, 2

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3, 3, 6, 8, 10, 10, 14, 14

**A009934 MgNi<sub>2</sub> Ni3**  $O(IT) = 83, O(PL) = 9$

1, 12, 50, 113, 199, 265, 280, 273, 230, 189, 18, -194, -457, -769, -948, -1157, -1105,  
-1174, -1060, -862, -512, 73, 527, 1172, 1536, 1991, 2378, 2584, 2676, 2212, 1948,  
1317, 612, -121, -1209, -1766, -2840, -2954, -3605, -3355, -3211, -2735, -1743,  
-1286, 45, 352, 1646, 1722, 2515, 2550, 2558, 2419, 1849, 1765, 921, 728, -119, -378,  
-894, -1040, -1184, -1231, -1094, -997, -703, -502, -194, 9, 192, 252, 301, 285,  
268, 204, 123, 35, 8, -1, 0, 0, 0, 0, -3

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3, 3, 6, 8, 8, 10, 10, 14, 14

**A009935 MgNi<sub>2</sub> Mg2**  $O(IT) = 67, O(PL) = 9$

1, 16, 52, 123, 200, 254, 289, 273, 250, 59, -246, -653, -1020, -1308, -1554, -1570,  
-1407, -831, -21, 938, 2007, 2883, 3675, 3780, 3608, 2714, 1565, 21, -1856, -3295,  
-4589, -4858, -5033, -4174, -3170, -1386, 350, 1820, 3068, 3567, 3957, 3432, 2868,  
1688, 777, -237, -999, -1459, -1650, -1506, -1311, -941, -570, -157, 121, 264, 286,  
293, 254, 210, 100, 40, 1, 3, 0, -3, -3

---

3, 3, 6, 7, 7, 8, 8, 10, 10

**A009936 MgNi<sub>2</sub> Mg1**  $O(IT) = 61, O(PL) = 7$

1, 16, 52, 128, 212, 276, 285, 299, 243, 203, 68, 24, -124, -229, -483, -542, -731,  
-812, -961, -859, -757, -628, -502, -236, 67, 234, 575, 754, 1227, 1176, 1403, 1242,  
1293, 872, 692, 374, 176, -65, -368, -498, -751, -833, -961, -847, -806, -614, -521,  
-313, -196, -45, 35, 134, 197, 276, 300, 308, 252, 173, 82, 32, 1

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3, 3, 6, 10, 10, 14, 14

**A009937 MgZn<sub>2</sub> Zn1**  $O(IT) = 52, O(PL) = 6$

1, 12, 50, 110, 212, 348, 505, 696, 864, 1000, 1047, 944, 704, 334, -231, -898, -1573,  
-2232, -2757, -3132, -3091, -2794, -2282, -1440, -434, 618, 1556, 2340, 2929, 3166,  
3013, 2730, 2185, 1490, 749, 116, -384, -776, -1029, -1042, -978, -882, -657, -486,  
-300, -196, -100, -24, 1, 0, 0, -2

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6, 7, 7, 9, 9, 10

**A009938 MgZn<sub>2</sub> Zn2**  $O(IT) = 46, O(PL) = 6$

1, 12, 50, 120, 230, 373, 497, 652, 792, 778, 670, 437, 38, -494, -1087, -1648, -2060,  
-2384, -2399, -2007, -1445, -736, 166, 1059, 1767, 2159, 2366, 2370, 1932, 1385, 860,  
296, -229, -584, -764, -790, -744, -619, -439, -282, -174, -92, -32, 1, 4, -6

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5, 6, 7, 7, 9, 9

**A009939 MgZn<sub>2</sub> Mg**  $O(IT) = 38, O(PL) = 5$

1, 16, 52, 125, 232, 357, 517, 688, 822, 897, 912, 769, 516, 149, -276, -739, -1179,  
-1568, -1766, -1820, -1730, -1398, -979, -564, -91, 342, 628, 855, 915, 873, 769,  
616, 447, 319, 179, 82, 31, 1

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5, 7, 7, 9, 9

**A009941 Ni<sub>2</sub>In Ni1, In**  $O(IT) = 7, O(PL) = 3$

1, 10, 35, 40, 35, 10, 1  
1, 2, 3

**A009942 Ni<sub>2</sub>In Ni2**  $O(IT) = 7, O(PL) = 3$

1, 13, 29, 46, 29, 13, 1  
1, 2, 3

**A009943 NiAs (1) As**  $O(IT) = 5, O(PL) = 3$

1, 4, 12, 10, -5, 2  
1, 1, 2

**A009945 NiAs (2) As**  $O(IT) = 6, O(PL) = 3$

1, 4, 7, 12, 7, 4, 1  
1, 1, 4

**A009946 NiAs (2) Ni**  $O(IT) = 5$ ,  $O(PL) = 3$

$$\frac{1, 4, 8, 4, 1}{1, 1, 2}$$

**A009948  $\alpha$ -Nd Nd1**  $O(IT) = 7$ ,  $O(PL) = 3$

$$\frac{1, 10, 19, 24, 19, 10, 1}{1, 1, 4}$$

**A009950  $\alpha$ -Mn Mn1**  $O(IT) = 102$ ,  $O(PL) = 6$

$$\frac{1, 12, 49, 113, 205, 327, 489, 679, 858, 1004, 1172, 1294, 1356, 1387, 1335, 1209, 993, 711, 347, -102, -548, -1068, -1519, -1909, -2301, -2544, -2695, -2787, -2856, -2802, -2648, -2468, -2213, -1930, -1607, -1218, -877, -612, -280, 62, 332, 660, 976, 1353, 1680, 2021, 2330, 2540, 2762, 2808, 2868, 2834, 2654, 2514, 2185, 1809, 1377, 912, 421, -86, -435, -837, -1105, -1225, -1377, -1417, -1349, -1239, -1136, -991, -783, -627, -454, -290, -216, -128, -17, 7, -20, -22, 8, 6, -6, -2, 6, 20, 16, 10, 18, 22, 14, -6, -6, 8, 8, -4, -4, 4, 2, -8, -10, -4}{6, 8, 11, 13, 15, 24}$$

**A009951  $\alpha$ -Mn Mn2**  $O(IT) = 101$ ,  $O(PL) = 6$

$$\frac{1, 13, 49, 114, 204, 323, 498, 670, 840, 1026, 1160, 1290, 1373, 1390, 1327, 1204, 1019, 702, 345, -95, -575, -1033, -1519, -1927, -2284, -2516, -2697, -2814, -2850, -2807, -2650, -2512, -2222, -1937, -1599, -1233, -923, -564, -275, 57, 339, 664, 1030, 1315, 1739, 2008, 2329, 2569, 2722, 2830, 2840, 2828, 2650, 2493, 2208, 1786, 1400, 909, 435, -75, -466, -824, -1090, -1243, -1376, -1384, -1349, -1240, -1140, -995, -798, -642, -453, -321, -196, -102, -52, -7, -18, -6, -4, -4, 10, 18, 22, 16, 14, 20, 20, 12, 2, 4, 8, 4, -4, -6, -2, -2, -8, -8, -2}{6, 8, 11, 13, 15, 24}$$

**A009952  $\alpha$ -Mn Mn3**  $O(IT) = 99$ ,  $O(PL) = 6$

$$\frac{1, 16, 49, 110, 211, 337, 490, 675, 848, 1037, 1160, 1272, 1366, 1392, 1349, 1155, 1016, 708, 324, -76, -618, -1016, -1515, -1959, -2276, -2523, -2690, -2874, -2781, -2792, -2689, -2409, -2281, -1901, -1560, -1242, -940, -523, -242, -16, 397, 667, 981, 1365, 1670, 2038, 2331, 2575, 2663, 2910, 2856, 2747, 2721, 2450, 2169, 1818, 1379, 876, 418, 0, -570, -809, -1065, -1301, -1359, -1381, -1329, -1277, -1124, -980, -822, -586, -466, -313, -179, -79, -25, -25, 12, 0, -6, -6, 0, 24, 18, 6, 6, 12, 12, -6, -6, 6, 12, 0, -6, 0, 0, -6, -6}{6, 8, 11, 13, 15, 24}$$

**A009953  $\alpha$ -Mn Mn4**  $O(IT) = 95$ ,  $O(PL) = 6$

$$\frac{1, 16, 52, 104, 214, 352, 475, 684, 869, 1028, 1166, 1269, 1342, 1359, 1355, 1155, 938, 801, 378, -106, -612, -1016, -1494, -1995, -2258, -2583, -2681, -2745, -2901, -2813, -2626, -2484, -2245, -1910, -1506, -1299, -853, -601, -290, 122, 223, 631, 1089, 1278, 1754, 2023, 2388, 2506, 2801, 2859, 2799, 2873, 2679, 2534, 2199, 1776, 1376, 810, 436, -90, -489, -854, -1017, -1253, -1401, -1384, -1443, -1292, -1118, -1007, -870, -607, -376, -316, -194, -112, 8, -1, -24, 24, 48, 72, 0, 0, 24, 24, -24, -24, 24, 24, 0, -24, 0, 0, -24}{6, 8, 11, 13, 15, 24}$$

**A009954 FeS<sub>2</sub>-Mar S**  $O(IT) = 16$ ,  $O(PL) = 4$

$$\frac{1, 4, 16, 29, 41, 35, 27, -17, -35, -54, -30, -15, -3, 3, -1, -1}{2, 3, 4, 4}$$

**A009955 FeS<sub>2</sub>-Mar Fe**  $O(IT) = 10$ ,  $O(PL) = 4$

$$\frac{1, 6, 13, 21, 9, -9, -21, -13, -6, -1}{2, 2, 2, 3}$$

**A009956 FeS<sub>2</sub>-Pyr S**  $O(IT) = 13$ ,  $O(PL) = 3$

$$\frac{1, 4, 17, 33, 50, 60, 65, 35, 20, 5, -4, 1, 1}{2, 4, 4}$$

**A009957 FeS<sub>2</sub>-Pyr Fe**  $O(IT) = 7$ ,  $O(PL) = 3$

$$\frac{1, 6, 15, 26, 17, 6, 1}{2, 2, 2}$$

**A009958  $\sigma$ -CrFe Xf**  $O(IT) = 162, O(PL) = 11$

1, 12, 48, 106, 218, 350, 504, 690, 934, 1192, 1412, 1592, 1715, 1789, 1710, 1478, 989, 406,  
-363, -1421, -2590, -4153, -5435, -6860, -8390, -9429, -10508, -11124, -11461,  
-10835, -10038, -8556, -5517, -3167, 615, 4928, 9254, 13914, 18643, 23707, 27186,  
30986, 33719, 34561, 35009, 33552, 30979, 26125, 20408, 13843, 4643, -4437, -13964,  
-24376, -34103, -43067, -50949, -58327, -62770, -64966, -66370, -63865, -59388,  
-52312, -43362, -32651, -19256, -6621, 7941, 22830, 35820, 48451, 59806, 69545,  
75078, 79640, 81488, 78686, 74915, 67946, 58229, 46816, 33984, 20709, 5555, -8430,  
-21471, -34288, -45226, -53866, -59979, -64856, -66390, -64814, -62885, -57521,  
-50015, -42065, -32844, -22846, -12209, -3209, 6135, 15028, 21411, 27243, 31698,  
34561, 35027, 34897, 33918, 30204, 27089, 23107, 18148, 13288, 8760, 4299, -363, -3523,  
-6358, -8880, -10269, -11207, -11430, -11390, -10565, -9454, -8332, -6763,  
-5173, -3822, -2571, -1297, -182, 511, 1184, 1648, 1743, 1851, 1832, 1636, 1370,  
1190, 970, 678, 494, 336, 162, 96, 20, -5, -18, -16, -4, -16, -8, 0, 0, 0, -8, 8

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8, 8, 11, 11, 12, 13, 15, 15, 18, 19, 21

**A009959  $\sigma$ -CrFe Xd**  $O(IT) = 184, O(PL) = 11$

1, 12, 49, 111, 218, 340, 504, 699, 927, 1165, 1394, 1578, 1725, 1755, 1694, 1479, 1139, 655,  
-27, -930, -1922, -3066, -4200, -5403, -6590, -7753, -8657, -9285, -9911, -9853,  
-9445, -8767, -7364, -5566, -3556, -886, 2427, 5538, 8816, 12873, 16094, 19153,  
22414, 24689, 26161, 27581, 27985, 26769, 25113, 22986, 18872, 14411, 9726, 3598, -2917,  
-9187, -15721, -22846, -28779, -33844, -39303, -43095, -45501, -47338, -47747,  
-46506, -43766, -40586, -35379, -29021, -22369, -14726, -6192, 2687, 10930, 19521,  
28304, 35107, 41640, 47753, 51852, 54301, 56262, 56561, 54216, 51487, 47890, 41471,  
34788, 27982, 19531, 10561, 2251, -6089, -15298, -22617, -29132, -35849, -40681,  
-44072, -46565, -47970, -47508, -45585, -43259, -39142, -34064, -28565, -22668,  
-15889, -8827, -2795, 3624, 10031, 14759, 19100, 23050, 25573, 26869, 27997, 28080,  
26352, 24704, 22663, 19314, 15970, 12850, 9155, 5289, 2337, -660, -3911, -5784, -7317,  
-8971, -9682, -9887, -10034, -9618, -8641, -7853, -6845, -5381, -4257, -3112,  
-1922, -961, -33, 689, 1195, 1524, 1748, 1824, 1761, 1651, 1423, 1213, 1005, 741, 516,  
371, 231, 131, 57, 26, -15, -16, 3, -14, -23, -4, -22, -15, -1, -4, -12, -4, 4, -4,  
4, 0, -4, 4, 2

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8, 8, 11, 11, 12, 15, 15, 18, 19, 21, 26

**A009960  $\sigma$ -CrFe Xb**  $O(IT) = 181, O(PL) = 11$

1, 14, 50, 113, 207, 345, 505, 698, 930, 1163, 1394, 1585, 1714, 1757, 1682, 1539, 1155, 634,  
-42, -962, -1900, -3016, -4224, -5428, -6602, -7731, -8749, -9377, -9864, -9875,  
-9386, -8776, -7521, -5610, -3469, -851, 2309, 5653, 9026, 12751, 16214, 19159,  
22311, 24941, 26455, 27554, 27907, 26927, 25197, 22729, 19136, 14383, 9592, 3735, -3096,  
-9376, -16064, -22691, -28840, -34288, -39167, -43347, -45667, -47486, -47842,  
-46526, -43976, -40239, -35438, -29198, -22179, -14560, -6020, 2731, 11255, 19890,  
28109, 35548, 41928, 47632, 52210, 54520, 56324, 56426, 54529, 51576, 47367, 41794,  
34679, 27737, 19474, 10352, 2046, -6569, -15196, -22812, -29628, -35773, -40935,  
-44268, -46766, -48057, -47428, -45722, -43077, -39099, -34177, -28402, -22479,  
-15646, -8838, -2486, 4040, 9931, 15008, 19253, 23039, 25894, 27093, 28083, 27879,  
26440, 24744, 22444, 19404, 15855, 12739, 9074, 5161, 2070, -918, -3825, -5867, -7446,  
-8994, -9878, -9898, -9979, -9690, -8669, -7697, -6779, -5357, -4212, -3093,  
-1909, -749, 9, 668, 1293, 1554, 1745, 1833, 1780, 1636, 1424, 1249, 936, 682, 532, 342,  
212, 111, 47, -23, -3, 0, -27, -6, -10, -10, 0, -10, -2, -6, 4, -2, 0, 0, -2, 2

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8, 8, 11, 11, 12, 15, 15, 18, 19, 21, 26

**A009961  $\sigma$ -CrFe Xc**  $O(IT) = 181, O(PL) = 11$

1, 14, 51, 119, 222, 353, 518, 719, 941, 1180, 1405, 1597, 1719, 1762, 1667, 1446, 1139,  
583, -115, -951, -2040, -3123, -4258, -5490, -6725, -7720, -8655, -9488, -9729,  
-9816, -9535, -8538, -7216, -5604, -3329, -487, 2417, 5667, 9433, 12807, 16172,  
19658, 22426, 24615, 26505, 27661, 27563, 26746, 25263, 22299, 18638, 14392, 9028,  
3107, -3156, -9630, -16447, -23046, -28879, -34517, -39397, -43107, -45757,  
-47276, -47651, -46107, -43714, -40175, -34779, -28683, -21928, -14070, -5388,  
3016, 11395, 20476, 28424, 35426, 42398, 47860, 51653, 54674, 56386, 55948, 54040,  
51558, 46989, 40951, 34669, 27104, 18772, 10222, 1750, -7030, -15586, -22852, -29769,  
-36086, -40750, -44255, -46644, -47840, -47200, -45495, -42970, -38629, -33632,  
-28334, -22001, -15258, -8663, -2311, 4299, 10147, 14942, 19589, 23091, 25446,  
27206, 27925, 27618, 26342, 24648, 22210, 19019, 15940, 12390, 8790, 5303, 1938, -1031,  
-3742, -5863, -7616, -8929, -9624, -10006, -9840, -9465, -8781, -7669, -6590,  
-5428, -4148, -2990, -1855, -842, 59, 668, 1200, 1632, 1718, 1792, 1747, 1616, 1443,  
1169, 936, 694, 509, 376, 207, 106, 47, 28, -7, -15, 3, -14, -6, -5, -21, -4, -2, -5,  
-8, -2, 0, 0, 2, -2, 0, 2

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8, 8, 11, 11, 12, 15, 15, 18, 19, 21, 26

**A009962  $\sigma$ -CrFe Xa**  $O(IT) = 181$ ,  $O(PL) = 11$

1, 15, 51, 125, 225, 366, 535, 729, 961, 1217, 1420, 1609, 1732, 1752, 1666, 1467, 1099,  
518, -198, -1021, -2142, -3203, -4334, -5612, -6820, -7810, -8752, -9576, -9722,  
-9746, -9524, -8465, -7094, -5501, -3106, -191, 2650, 5982, 9783, 13130, 16441,  
19874, 22754, 24752, 26738, 27753, 27456, 26675, 24973, 22111, 18148, 13986, 8628,  
2332, -3657, -10339, -17128, -23562, -29447, -34931, -39913, -43281, -45874,  
-47506, -47391, -45871, -43474, -39550, -34261, -27936, -21330, -13107, -4491,  
3535, 12691, 21162, 29020, 36213, 42823, 48426, 51718, 55099, 56224, 55457, 54128,  
50834, 46307, 40293, 33884, 26284, 17635, 9537, 747, -8099, -15974, -23796, -30359,  
-36508, -41090, -44305, -47033, -47506, -46964, -45285, -42189, -38259, -32875,  
-27802, -21128, -14335, -8197, -1270, 4906, 10600, 15494, 19913, 23515, 25405,  
27404, 27937, 27128, 26240, 24278, 21690, 18607, 15500, 11967, 8128, 4996, 1587, -1600,  
-3875, -6106, -7759, -8988, -9660, -9954, -9904, -9204, -8546, -7578, -6318,  
-5258, -3925, -2828, -1657, -654, 134, 839, 1253, 1600, 1762, 1788, 1745, 1528, 1369,  
1117, 857, 655, 450, 295, 183, 81, 31, 1

8, 8, 11, 11, 12, 15, 15, 18, 19, 21, 26

**A016430 OSI T1**  $O(IT) = 16$ ,  $O(PL) = 3$

1, 4, 10, 20, 32, 43, 50, 50, 45, 40, 32, 18, 4, -5, -6, -2  
3, 4, 6

**A016431 OSI T2**  $O(IT) = 34$ ,  $O(PL) = 4$

1, 4, 11, 22, 34, 52, 82, 112, 125, 128, 130, 128, 116, 82, 23, -46, -100, -136, -153,  
-154, -154, -136, -92, -46, -21, -10, 0, 4, 4, 2, -1, -4, -5, -2  
6, 6, 8, 8

**A016432 OSI T3**  $O(IT) = 28$ ,  $O(PL) = 4$

1, 4, 12, 21, 32, 44, 46, 50, 48, 38, 15, -10, -29, -45, -45, -55, -52, -41, -27, -14,  
-7, 5, 5, 7, 3, -1, -2, -3  
3, 4, 6, 8

**A016433 TER T1**  $O(IT) = 104$ ,  $O(PL) = 6$

1, 4, 11, 19, 35, 56, 79, 102, 117, 145, 163, 164, 173, 171, 155, 162, 156, 110, 85, 90, 67,  
29, 12, -21, -49, -32, -54, -134, -158, -140, -171, -225, -271, -321, -327, -322,  
-360, -418, -424, -370, -332, -368, -373, -308, -259, -225, -188, -175, -138,  
-26, 19, -19, 27, 137, 174, 189, 228, 257, 303, 380, 372, 329, 365, 427, 417, 360, 324,  
326, 317, 273, 228, 166, 137, 162, 136, 52, 34, 49, 21, -13, -31, -67, -89, -84, -108,  
-159, -164, -155, -169, -174, -165, -160, -144, -118, -102, -78, -58, -34, -17,  
-12, -4, 0, -1, -1  
5, 8, 12, 20, 26, 30

**A016434 TER T2**  $O(IT) = 94$ ,  $O(PL) = 6$

1, 4, 11, 21, 35, 58, 87, 103, 143, 184, 215, 236, 264, 307, 310, 315, 298, 267, 258, 228, 145,  
66, 31, -33, -133, -229, -301, -356, -419, -495, -594, -619, -623, -646, -709,  
-741, -685, -644, -623, -603, -530, -442, -340, -243, -184, -78, 84, 184, 237, 337,  
449, 536, 600, 618, 643, 689, 743, 705, 646, 623, 621, 590, 493, 422, 358, 301, 221, 131,  
38, -27, -70, -153, -226, -254, -265, -300, -319, -307, -305, -262, -237, -215,  
-182, -143, -103, -87, -56, -35, -23, -12, -3, 0, -1, -1  
8, 10, 12, 15, 20, 26

**A016435 TER T3**  $O(IT) = 108$ ,  $O(PL) = 7$

1, 4, 11, 22, 39, 62, 81, 100, 130, 152, 175, 199, 207, 200, 184, 194, 192, 150, 93, 42, 30,  
5, -83, -184, -241, -267, -333, -431, -503, -521, -537, -611, -696, -678, -583,  
-562, -607, -587, -435, -285, -222, -190, -105, 102, 303, 378, 390, 480, 661, 757,  
762, 789, 857, 911, 907, 851, 789, 768, 761, 655, 474, 394, 384, 303, 96, -103, -186,  
-220, -285, -439, -585, -605, -560, -589, -682, -690, -609, -539, -527, -501,  
-425, -333, -269, -245, -182, -81, 5, 28, 38, 95, 152, 192, 192, 184, 202, 207, 199,  
175, 152, 130, 100, 81, 62, 39, 22, 11, 4, 1  
6, 8, 12, 15, 20, 20, 26

**A016436 TER T4**  $O(IT) = 128$ ,  $O(PL) = 6$

1, 4, 11, 21, 41, 60, 72, 92, 101, 120, 119, 113, 101, 86, 65, 18, 27, 28, -8, -25, -1,  
6, -23, -8, -10, -67, -100, -93, -96, -138, -169, -184, -175, -182, -164, -139,  
-124, -106, -107, -101, -73, -20, -21, -46, 2, 36, 10, 16, 10, 1, 7, 64, 95, 90, 108,  
105, 114, 130, 110, 85, 47, 16, 8, -12, -15, -44, -85, -112, -126, -109, -110, -97,  
-90, -115, -57, -11, -4, -19, -5, -7, -33, 17, 31, 28, 19, 65, 92, 94, 109, 119, 156,  
164, 182, 193, 184, 174, 117, 95, 90, 93, 71, 7, 19, 22, 7, 2, 12, 13, -25, -32, -30, -60,  
-80, -105, -106, -120, -121, -101, -89, -75, -66, -39, -19, -11, -5, 2, -1, -1  
5, 6, 8, 20, 26, 60

**A016437 TER T5**  $O(IT) = 128, O(PL) = 6$

1, 4, 11, 19, 34, 55, 73, 101, 121, 127, 107, 104, 101, 73, 58, 40, 22, 8, 6, 5, -6, 9, -18,  
-47, -28, -40, -68, -113, -111, -144, -180, -166, -134, -160, -201, -177, -147,  
-101, -103, -82, -50, -28, -4, -21, 1, 5, -24, -21, 19, 44, 27, 63, 69, 83, 126, 142,  
137, 99, 70, 68, 52, 43, 37, -35, -49, -48, -61, -71, -112, -131, -143, -129, -77,  
-69, -57, -24, -32, -29, 11, 24, -13, -7, 5, 16, 32, 57, 97, 102, 112, 146, 178, 177,  
144, 136, 160, 189, 143, 124, 118, 81, 47, 12, 49, 16, -15, -4, -7, 0, -8, -12, -43, -58,  
-67, -99, -107, -116, -123, -122, -99, -75, -58, -33, -17, -11, -5, 2, -1, -1

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5, 6, 8, 20, 26, 60

**A016438 TER T6**  $O(IT) = 126, O(PL) = 6$

1, 4, 11, 21, 33, 52, 75, 97, 122, 129, 117, 104, 99, 77, 39, 34, 36, 8, -16, 6, 39, 12, -42,  
-39, -26, -54, -85, -100, -128, -156, -148, -141, -157, -169, -171, -174, -175,  
-129, -81, -67, -44, -22, -20, -21, 2, 5, -40, -47, 33, 77, 58, 47, 61, 97, 116, 119,  
114, 95, 82, 77, 75, 55, 21, -19, -57, -73, -81, -82, -95, -112, -121, -118, -93,  
-61, -45, -58, -77, -33, 45, 38, -7, 0, 21, 20, 22, 46, 71, 83, 127, 173, 176, 167, 167,  
157, 141, 146, 156, 132, 100, 87, 54, 26, 39, 40, -12, -41, -6, 16, -8, -36, -34, -35,  
-77, -101, -104, -115, -129, -124, -97, -75, -52, -33, -21, -11, -4, -1

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5, 6, 8, 20, 26, 60

**A016439 TER T7**  $O(IT) = 128, O(PL) = 6$

1, 4, 12, 20, 35, 54, 76, 103, 109, 123, 114, 112, 91, 71, 76, 40, 4, 4, 19, 6, -14, -4, -2,  
-34, -41, -51, -60, -88, -125, -170, -166, -146, -166, -183, -166, -156, -150,  
-126, -73, -58, -92, -44, 2, -13, -12, 2, -12, 2, 21, 31, 34, 56, 79, 66, 109, 165, 120,  
106, 75, 67, 59, 44, 30, -35, -48, -69, -46, -85, -98, -109, -162, -119, -71, -73,  
-73, -34, -20, -25, -6, 25, 11, -2, 9, 3, 39, 82, 67, 77, 120, 158, 162, 165, 170, 177,  
137, 158, 172, 131, 88, 57, 67, 34, 31, 8, 2, 7, -15, -11, -6, -3, -36, -77, -67, -94,  
-104, -119, -126, -111, -100, -76, -59, -32, -19, -12, -5, 2, -1, -1

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5, 6, 8, 20, 26, 60

**A016440 TER T8**  $O(IT) = 126, O(PL) = 6$

1, 4, 12, 23, 32, 48, 81, 108, 111, 108, 126, 123, 86, 66, 60, 39, 7, 6, 11, 7, 16, 11, -14,  
-42, -51, -47, -66, -109, -148, -143, -128, -146, -174, -180, -170, -154, -154,  
-149, -90, -44, -47, -47, -27, -1, 3, -22, -35, -10, 31, 50, 65, 64, 52, 80, 129, 130,  
87, 84, 103, 85, 75, 58, 16, -16, -60, -75, -83, -103, -84, -89, -128, -127, -78,  
-52, -66, -63, -54, -29, 10, 33, 20, -7, 5, 27, 49, 45, 44, 94, 147, 156, 152, 170, 180,  
172, 146, 126, 147, 148, 107, 66, 49, 55, 40, 12, -11, -14, -7, -13, -6, -7, -39, -60,  
-66, -86, -123, -126, -108, -111, -108, -81, -48, -32, -23, -12, -4, -1

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5, 6, 8, 20, 26, 60

**A019451 CGF T1**  $O(IT) = 23, O(PL) = 4$

1, 4, 11, 22, 33, 45, 60, 73, 71, 49, 22, 0, -22, -49, -71, -73, -60, -45, -33, -22, -11, -4, -1

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4, 5, 6, 7

**A019452 CGF T2**  $O(IT) = 30, O(PL) = 4$

1, 4, 10, 19, 32, 51, 68, 76, 82, 88, 85, 68, 38, 11, -7, -36, -67, -86, -91, -84, -80,  
-70, -49, -32, -18, -8, -4, 1, 0, -2

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4, 6, 7, 10

**A019453 CGF T3**  $O(IT) = 27, O(PL) = 4$

1, 4, 9, 18, 33, 50, 62, 65, 66, 62, 39, 4, -33, -57, -65, -73, -72, -56, -35, -16, -6,  
-1, 3, 2, -1, -2, -1

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4, 5, 6, 7

**A019454 CGF T4**  $O(IT) = 26, O(PL) = 4$

1, 4, 9, 18, 33, 50, 61, 66, 68, 62, 39, 1, -34, -56, -66, -72, -73, -56, -32, -15, -5,  
-2, 1, 2, -2, -2

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4, 5, 6, 7

**A019455 CGF T5**  $O(IT) = 29, O(PL) = 4$

1, 4, 10, 18, 32, 57, 75, 81, 91, 112, 110, 67, 23, 2, -19, -65, -110, -116, -95, -83,  
-77, -59, -30, -14, -10, -4, 1, 0, -2

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5, 6, 7, 8

**A019456 CZP T1**  $O(IT) = 33, O(PL) = 3$

1, 4, 9, 18, 31, 50, 74, 95, 116, 133, 141, 146, 153, 140, 120, 111, 78, 47, 37, 23, 1, -1, 1,  
-8, 0, 6, 4, 5, 6, 1, -2, -2, -2

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4, 8, 10

**A019457 CZP T2**  $O(IT) = 27, O(PL) = 3$

1, 4, 10, 20, 31, 48, 65, 74, 79, 84, 81, 68, 68, 64, 45, 32, 15, -8, -11, -6, -4, 2, 2, 0, 0,  
2, 2  
-----  
4, 4, 10

**A019458 CZP T3**  $O(IT) = 32, O(PL) = 3$

1, 4, 8, 16, 32, 48, 65, 96, 126, 134, 132, 150, 151, 132, 128, 122, 81, 38, 36, 20, 5, 4, 1,  
-10, -6, 8, 6, 10, 6, 0, -4, -4  
-----  
4, 8, 10

**A019571 SAO T1**  $O(IT) = 46, O(PL) = 4$

1, 4, 9, 16, 25, 39, 60, 80, 92, 104, 123, 140, 145, 136, 115, 92, 69, 33, -12, -49, -77,  
-108, -140, -156, -153, -139, -125, -114, -94, -66, -43, -26, -8, 6, 9, 7, 7, 9, 6,  
0, -1, 0, -2, -6, -6, -2  
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6, 8, 10, 11

**A019572 SAO T2**  $O(IT) = 29, O(PL) = 4$

1, 4, 9, 16, 22, 27, 35, 42, 43, 40, 37, 33, 26, 16, 0, -16, -26, -33, -37, -40, -43, -42,  
-35, -27, -22, -16, -9, -4, -1  
-----  
3, 4, 10, 11

**A019573 SAO T3**  $O(IT) = 47, O(PL) = 4$

1, 4, 9, 16, 25, 39, 57, 75, 94, 110, 123, 135, 139, 132, 119, 103, 75, 36, -5, -46, -81,  
-110, -133, -148, -154, -151, -141, -121, -98, -75, -47, -21, -5, 3, 10, 15, 15,  
11, 8, 7, 3, -2, -6, -7, -6, -5, -2  
-----  
6, 8, 10, 11

**A019574 SAO T4**  $O(IT) = 47, O(PL) = 4$

1, 4, 10, 16, 25, 42, 60, 78, 97, 112, 120, 135, 144, 130, 111, 89, 62, 24, -14, -51, -84,  
-104, -128, -144, -144, -131, -118, -104, -85, -72, -47, -26, -18, -10, 0, 10, 6,  
2, 2, 5, 4, -1, 0, 0, 0, -4, -4  
-----  
6, 8, 10, 11

**A024982 IFR T1**  $O(IT) = 60, O(PL) = 7$

1, 4, 11, 19, 28, 41, 53, 56, 59, 50, 36, 23, 1, -49, -87, -127, -170, -207, -231, -219,  
-178, -145, -103, -19, 59, 142, 199, 269, 316, 340, 314, 267, 203, 140, 59, -25, -101,  
-147, -174, -225, -225, -209, -166, -131, -87, -49, 5, 23, 36, 50, 57, 58, 49, 43, 28,  
21, 9, 4, -1, 2  
-----  
3, 5, 7, 10, 10, 11, 12

**A024983 IFR T2**  $O(IT) = 62, O(PL) = 7$

1, 4, 10, 17, 27, 41, 55, 61, 54, 45, 46, 36, -4, -53, -93, -121, -160, -213, -240, -218,  
-181, -155, -116, -36, 76, 162, 203, 247, 315, 357, 329, 260, 205, 161, 78, -38, -123,  
-158, -174, -205, -237, -226, -169, -122, -97, -56, 0, 45, 53, 40, 45, 63, 59, 41, 29,  
20, 10, 1, -3, -1, 2, 1  
-----  
3, 5, 7, 10, 10, 11, 12

**A024984 IFR T3**  $O(IT) = 61, O(PL) = 7$

1, 4, 10, 18, 28, 42, 55, 59, 51, 46, 44, 32, -2, -50, -90, -124, -166, -216, -233, -210,  
-175, -152, -115, -37, 69, 153, 199, 257, 323, 353, 319, 255, 202, 158, 75, -31, -110,  
-149, -178, -218, -239, -220, -167, -124, -91, -49, 0, 32, 43, 45, 53, 64, 57, 43, 29,  
17, 7, 0, -1, 2, 2  
-----  
3, 5, 7, 10, 10, 11, 12

**A024985 IFR T4**  $O(IT) = 59, O(PL) = 7$

1, 4, 10, 20, 31, 39, 49, 59, 50, 39, 18, -7, -35, -82, -136, -179, -206, -216, -212,  
-198, -147, -83, -23, 47, 131, 217, 278, 312, 320, 312, 278, 217, 131, 47, -23, -83,  
-147, -198, -212, -216, -206, -179, -136, -82, -35, -7, 18, 39, 50, 59, 59, 49, 39,  
31, 20, 10, 4, 1  
-----  
3, 5, 7, 10, 10, 11, 12

**A024986 MWW T1**  $O(IT) = 122, O(PL) = 7$

1, 4, 10, 20, 32, 52, 76, 111, 146, 185, 224, 263, 312, 344, 360, 392, 405, 384, 343, 270,  
224, 137, 17, -114, -231, -375, -486, -642, -744, -860, -943, -979, -1083, -1127,  
-1148, -1100, -1058, -1015, -996, -823, -719, -545, -426, -263, -8, 226, 407, 607,  
793, 1034, 1251, 1366, 1511, 1558, 1668, 1732, 1685, 1571, 1520, 1388, 1297, 1012, 842,  
638, 433, 223, 4, -243, -415, -550, -691, -823, -1008, -991, -1069, -1110, -1143,  
-1108, -1068, -1003, -963, -858, -780, -644, -493, -385, -257, -113, -8, 116,  
199, 290, 360, 369, 417, 392, 374, 345, 343, 261, 235, 192, 159, 107, 66, 63, 35, 14, -6, 4,  
-10, -1, -2, 0, 0, 2, 0, -4, -1, 5, 7, -1  
-----  
10, 12, 12, 12, 16, 22, 26

**A024987 MWW T2**  $O(IT) = 123, O(PL) = 7$

1, 4, 12, 22, 35, 51, 81, 109, 137, 175, 217, 268, 303, 350, 390, 404, 376, 358, 347, 287,  
210, 129, 42, -80, -229, -369, -502, -635, -736, -836, -961, -1045, -1093, -1106,  
-1120, -1164, -1090, -1006, -920, -828, -750, -589, -358, -198, -22, 165, 391,  
665, 825, 1021, 1198, 1358, 1526, 1623, 1646, 1664, 1651, 1652, 1526, 1357, 1235, 1067,  
878, 660, 410, 194, -30, -194, -351, -599, -719, -821, -931, -1042, -1118, -1134,  
-1094, -1112, -1076, -1035, -977, -842, -758, -648, -504, -360, -245, -119, -3,  
119, 204, 282, 359, 371, 389, 425, 395, 357, 320, 290, 239, 177, 131, 107, 71, 37, 31, 6, 7,  
2, 0, -6, -3, 3, 4, -1, 3, 6, 1, 4, 0, 0, -1

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10, 12, 12, 12, 16, 22, 26

**A024988 MWW T3**  $O(IT) = 119, O(PL) = 7$

1, 4, 10, 21, 40, 62, 78, 95, 128, 177, 227, 270, 313, 347, 370, 394, 412, 385, 312, 269,  
243, 163, 29, -106, -234, -364, -487, -613, -754, -892, -971, -1036, -1125, -1158,  
-1104, -1062, -1093, -1113, -1021, -811, -590, -482, -448, -309, -6, 292, 454,  
583, 797, 1047, 1264, 1411, 1481, 1564, 1681, 1730, 1641, 1529, 1517, 1487, 1284, 999,  
776, 624, 489, 273, -39, -319, -435, -476, -633, -885, -1043, -1061, -1056, -1093,  
-1149, -1161, -1098, -1006, -947, -876, -740, -596, -504, -422, -268, -78, 67,  
165, 219, 246, 304, 397, 435, 412, 395, 382, 336, 263, 218, 186, 133, 78, 55, 43, 28, 17, 0,  
-11, -8, 2, 2, -4, 1, 12, 10, 5, 3

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10, 12, 12, 12, 16, 22, 26

**A024989 MWW T4**  $O(IT) = 116, O(PL) = 7$

1, 4, 11, 18, 32, 51, 74, 96, 129, 155, 163, 188, 219, 235, 219, 208, 208, 167, 109, 76,  
22, -88, -170, -215, -283, -369, -433, -452, -565, -592, -555, -549, -608, -605,  
-589, -569, -506, -389, -311, -306, -165, -70, -21, 108, 318, 384, 451, 583, 741,  
757, 851, 949, 890, 808, 926, 914, 767, 675, 649, 510, 338, 324, 183, -38, -139, -116,  
-292, -391, -400, -423, -586, -606, -564, -608, -620, -548, -564, -581, -463,  
-354, -365, -351, -230, -168, -127, 15, 119, 98, 149, 211, 229, 195, 246, 247, 191,  
154, 173, 144, 91, 87, 61, 22, -4, 11, -1, -6, 1, 3, -4, -5, -2, -4, -3, 4, 9, 2

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5, 12, 12, 12, 16, 22, 26

**A024990 MWW T5**  $O(IT) = 115, O(PL) = 7$

1, 4, 11, 22, 32, 52, 75, 102, 122, 144, 167, 185, 208, 238, 250, 215, 182, 162, 116, 55,  
-7, -76, -139, -208, -270, -352, -424, -508, -544, -595, -586, -584, -562, -574,  
-593, -564, -495, -399, -326, -269, -231, -91, 36, 180, 258, 383, 483, 588, 666, 790,  
841, 888, 907, 927, 874, 847, 819, 712, 564, 457, 413, 295, 176, 33, -73, -241, -273,  
-341, -425, -518, -527, -556, -584, -600, -578, -586, -598, -542, -476, -413,  
-345, -286, -248, -174, -73, 14, 52, 112, 150, 183, 205, 256, 244, 231, 203, 178, 149,  
120, 108, 84, 51, 16, 15, 6, 4, -4, -6, -2, -3, -2, -2, -3, 4, 9, 2

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5, 12, 12, 12, 16, 22, 26

**A024991 MWW T6**  $O(IT) = 114, O(PL) = 7$

1, 4, 10, 20, 34, 54, 87, 114, 139, 188, 243, 279, 292, 326, 372, 401, 414, 374, 307, 269,  
209, 124, 34, -130, -283, -401, -506, -599, -757, -853, -909, -1038, -1093, -1082,  
-1082, -1049, -1062, -1058, -970, -844, -626, -495, -447, -277, -47, 228, 493,  
625, 746, 997, 1283, 1417, 1436, 1558, 1694, 1690, 1640, 1579, 1499, 1390, 1259, 1030,  
707, 583, 544, 258, -101, -301, -390, -495, -683, -829, -952, -1082, -1035, -1010,  
-1112, -1106, -1051, -1017, -945, -853, -727, -614, -518, -377, -286, -160, 46,  
154, 194, 248, 319, 377, 399, 404, 375, 314, 298, 291, 231, 173, 142, 120, 84, 54, 40, 20,  
10, 7, -5, -3, 6, 3

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10, 12, 12, 12, 16, 22, 26

**A024992 MWW T7**  $O(IT) = 123, O(PL) = 7$

1, 4, 10, 16, 30, 49, 77, 100, 138, 181, 213, 243, 307, 378, 376, 381, 393, 398, 352, 311,  
242, 152, 17, -65, -210, -374, -483, -635, -771, -881, -920, -983, -1078, -1195,  
-1183, -1177, -1035, -982, -978, -885, -725, -597, -444, -263, 42, 217, 357, 599,  
784, 1064, 1267, 1406, 1423, 1553, 1711, 1841, 1690, 1595, 1441, 1418, 1345, 1118, 847,  
587, 441, 298, -9, -266, -396, -573, -635, -885, -1029, -1048, -1011, -1096, -1195,  
-1258, -1015, -923, -968, -953, -870, -638, -426, -332, -279, -152, -25, 149, 206,  
284, 382, 434, 414, 402, 346, 387, 352, 273, 210, 181, 162, 118, 68, 31, 30, -17, 10, 1,  
-2, -3, 3, 0, 0, -3, 0, 3, 0, 12, 3, 0, -3

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10, 12, 12, 12, 16, 22, 26

**A024993 MWW T8**  $O(IT) = 124, O(PL) = 7$

1, 4, 12, 22, 31, 52, 74, 112, 142, 166, 203, 249, 311, 369, 392, 363, 379, 377, 364, 311,  
228, 128, 40, -65, -194, -368, -509, -602, -767, -854, -942, -1019, -1085, -1141,  
-1164, -1156, -1135, -958, -890, -882, -766, -642, -406, -113, -14, 154, 318,  
593, 928, 1013, 1204, 1337, 1441, 1646, 1744, 1634, 1678, 1628, 1582, 1370, 1183, 1148,  
907, 656, 459, 157, -50, -143, -310, -567, -841, -846, -881, -1021, -1093, -1138,  
-1209, -1111, -1043, -986, -1008, -929, -740, -647, -518, -350, -236, -140, -2,  
83, 213, 308, 388, 413, 373, 378, 422, 378, 335, 282, 215, 184, 145, 106, 74, 40, 7, 13, -3,  
-2, 1, -3, 3, 0, -3, 6, 3, 0, 6, 3, -3, -3

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10, 12, 12, 12, 16, 22, 26

**A027365 CGS T1**  $O(IT) = 32, O(PL) = 3$

1, 4, 9, 16, 26, 42, 63, 82, 100, 122, 144, 160, 168, 167, 165, 167, 161, 145, 124, 101, 83,  
68, 46, 25, 13, 3, -3, -4, -2, 3, 6, 3

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5, 10, 12

**A027366 CGS T2**  $O(IT) = 28, O(PL) = 3$

1, 4, 9, 18, 32, 47, 62, 82, 103, 118, 135, 156, 168, 169, 169, 168, 156, 135, 118, 103, 82,  
62, 47, 32, 18, 9, 4, 1

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5, 10, 12

**A027367 CGS T3**  $O(IT) = 33, O(PL) = 3$

1, 4, 9, 17, 28, 44, 62, 82, 102, 120, 140, 156, 164, 174, 176, 161, 153, 144, 124, 105, 85,  
60, 43, 29, 14, 9, 2, -5, -2, 1, 0, 3, 3

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5, 10, 12

**A027368 CGS T4**  $O(IT) = 28, O(PL) = 3$

1, 4, 9, 18, 32, 47, 63, 82, 101, 119, 136, 153, 167, 172, 172, 167, 153, 136, 119, 101, 82,  
63, 47, 32, 18, 9, 4, 1

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5, 10, 12

**A027369 ITE T1**  $O(IT) = 89, O(PL) = 6$

1, 4, 11, 21, 34, 53, 77, 104, 127, 147, 177, 210, 234, 252, 261, 274, 277, 260, 232, 188,  
157, 111, 43, -26, -101, -172, -260, -352, -437, -517, -575, -621, -682, -730,  
-734, -725, -715, -699, -644, -556, -451, -340, -253, -141, -2, 139, 248, 335, 451,  
558, 645, 693, 709, 725, 735, 731, 686, 623, 575, 521, 443, 355, 257, 171, 105, 31, -39,  
-109, -157, -191, -232, -259, -279, -275, -260, -251, -234, -209, -177, -151,  
-131, -104, -76, -53, -34, -21, -11, -4, -1

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6, 12, 13, 15, 20, 22

**A027370 ITE T2**  $O(IT) = 98, O(PL) = 6$

1, 4, 10, 21, 36, 54, 77, 102, 135, 181, 217, 248, 299, 357, 402, 432, 446, 452, 469, 468,  
417, 356, 313, 254, 154, 18, -129, -260, -375, -506, -685, -853, -941, -1020, -1147,  
-1267, -1334, -1336, -1284, -1231, -1216, -1149, -957, -754, -620, -480, -271,  
-5, 262, 468, 605, 751, 965, 1147, 1203, 1222, 1283, 1341, 1342, 1274, 1148, 1019, 951,  
866, 686, 504, 380, 268, 141, -5, -156, -263, -308, -348, -418, -469, -469, -454,  
-445, -432, -407, -364, -304, -247, -214, -181, -138, -104, -77, -54, -36, -21,  
-10, -3, 1, 0, -2, -1

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12, 12, 13, 15, 20, 22

**A027371 ITE T3**  $O(IT) = 89, O(PL) = 6$

1, 4, 10, 18, 27, 40, 63, 76, 82, 86, 102, 130, 150, 138, 130, 133, 151, 139, 78, 48, 26, 35,  
4, -73, -137, -159, -161, -211, -310, -364, -337, -315, -325, -394, -443, -380,  
-301, -268, -303, -280, -151, -38, 16, -2, 25, 134, 268, 303, 272, 294, 380, 440, 398,  
337, 309, 337, 366, 308, 217, 162, 174, 149, 70, -4, -45, -29, -31, -69, -141, -160,  
-138, -121, -135, -154, -138, -109, -79, -75, -80, -69, -44, -25, -18, -13, -3,  
2, 2, -1, -1

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3, 12, 13, 15, 20, 22

**A027372 ITE T4**  $O(IT) = 92, O(PL) = 6$

1, 4, 10, 18, 31, 55, 76, 101, 126, 148, 185, 209, 225, 244, 267, 288, 281, 255, 234, 195, 159,  
111, 36, -28, -96, -159, -246, -361, -440, -515, -581, -623, -688, -719, -727,  
-731, -721, -704, -649, -564, -469, -346, -242, -137, -1, 123, 233, 340, 453, 561,  
640, 701, 727, 726, 736, 723, 682, 631, 585, 528, 447, 357, 263, 168, 102, 34, -42, -106,  
-153, -189, -228, -264, -281, -285, -272, -246, -230, -213, -185, -150, -124,  
-104, -84, -55, -32, -17, -8, -5, 1, 2, -1, -1

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6, 12, 13, 15, 20, 22

**A027373 SAT T1**  $O(IT) = 28, O(PL) = 3$

1, 4, 10, 20, 33, 50, 71, 95, 123, 153, 182, 205, 219, 226, 226, 219, 205, 182, 153, 123, 95,  
71, 50, 33, 20, 10, 4, 1

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8, 9, 10

**A027374 SAT T2**  $O(IT) = 28, O(PL) = 3$

1, 4, 9, 17, 30, 50, 75, 100, 125, 152, 180, 204, 219, 226, 226, 219, 204, 180, 152, 125,  
100, 75, 50, 30, 17, 9, 4, 1

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8, 9, 10



**A033599 CFI T1**  $O(IT) = 57, O(PL) = 6$

1, 4, 10, 21, 36, 56, 83, 108, 125, 141, 153, 151, 132, 87, 19, -41, -92, -180, -297,  
-382, -421, -428, -424, -426, -381, -245, -94, 3, 87, 202, 338, 439, 452, 420, 410,  
402, 336, 211, 94, 30, -6, -65, -138, -170, -160, -139, -124, -119, -100, -61, -32,  
-19, -10, -3, 2, 3, 1

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6, 7, 7, 11, 11, 12

**A033600 CFI T2**  $O(IT) = 57, O(PL) = 6$

1, 4, 12, 23, 37, 55, 82, 108, 133, 148, 139, 142, 130, 90, 26, -46, -119, -191, -283,  
-371, -430, -436, -430, -407, -350, -233, -99, 7, 109, 220, 328, 420, 440, 430, 416,  
379, 306, 188, 107, 39, -25, -78, -133, -151, -136, -142, -131, -119, -83, -50, -36,  
-23, -12, -5, 2, -1, -1

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6, 7, 7, 11, 11, 12

**A033601 CFI T3**  $O(IT) = 57, O(PL) = 6$

1, 4, 12, 22, 37, 57, 83, 108, 136, 138, 141, 148, 133, 78, 27, -46, -115, -180, -290,  
-392, -419, -424, -425, -410, -360, -228, -95, 9, 95, 211, 347, 422, 442, 421, 403,  
394, 307, 184, 108, 36, -20, -70, -138, -156, -141, -135, -136, -113, -83, -53, -37,  
-21, -12, -3, 0, -1, -1

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6, 7, 7, 11, 11, 12

**A033602 CFI T4**  $O(IT) = 56, O(PL) = 6$

1, 4, 12, 24, 36, 54, 78, 112, 133, 142, 150, 130, 124, 110, 22, -48, -104, -202, -281,  
-358, -434, -446, -422, -406, -356, -236, -118, 0, 121, 212, 323, 422, 443, 434, 426,  
370, 302, 220, 104, 36, -13, -92, -132, -142, -151, -142, -130, -118, -90, -54, -33,  
-24, -12, -4, 1, 2

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6, 7, 7, 11, 11, 12

**A033603 CFI T5**  $O(IT) = 63, O(PL) = 6$

1, 4, 12, 20, 34, 56, 81, 114, 143, 162, 180, 204, 206, 204, 169, 104, 42, -50, -141, -272,  
-428, -472, -532, -620, -619, -658, -560, -402, -327, -230, -53, 206, 385, 420,  
513, 602, 667, 682, 517, 446, 427, 326, 178, 20, -65, -78, -155, -218, -228, -216,  
-174, -150, -156, -130, -71, -52, -37, -20, -10, -2, 3, 0, -2

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7, 7, 11, 11, 12, 12

**A033604 SBE T1**  $O(IT) = 57, O(PL) = 5$

1, 4, 9, 17, 27, 38, 54, 73, 89, 102, 109, 111, 111, 104, 92, 76, 56, 36, 11, -15, -38, -66,  
-94, -120, -145, -163, -181, -197, -202, -197, -181, -163, -145, -120, -94, -66,  
-38, -15, 11, 36, 56, 76, 92, 104, 111, 111, 109, 102, 89, 73, 54, 38, 27, 17, 9, 4, 1

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6, 7, 9, 15, 19

**A033605 SBE T2**  $O(IT) = 57, O(PL) = 5$

1, 4, 9, 17, 28, 41, 56, 72, 88, 103, 113, 114, 108, 98, 84, 68, 50, 30, 11, -10, -34, -58,  
-83, -108, -136, -167, -190, -204, -210, -204, -190, -167, -136, -108, -83, -58,  
-34, -10, 11, 30, 50, 68, 84, 98, 108, 114, 113, 103, 88, 72, 56, 41, 28, 17, 9, 4, 1

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6, 7, 9, 15, 19

**A033606 SBE T3**  $O(IT) = 54, O(PL) = 4$

1, 4, 9, 17, 27, 39, 56, 76, 96, 116, 136, 155, 169, 178, 185, 188, 191, 192, 180, 165, 152,  
130, 104, 73, 34, -1, -36, -73, -102, -129, -153, -167, -178, -184, -186, -191,  
-189, -180, -171, -156, -138, -120, -98, -76, -55, -37, -25, -15, -8, -2, 3, 0,  
-4, -2

---

7, 9, 15, 19

**A033607 SBE T4**  $O(IT) = 57, O(PL) = 5$

1, 4, 9, 17, 27, 40, 58, 74, 86, 99, 110, 113, 108, 101, 93, 77, 52, 26, 8, -6, -32, -68,  
-96, -114, -138, -170, -190, -193, -192, -193, -190, -170, -138, -114, -96, -68,  
-32, -6, 8, 26, 52, 77, 93, 101, 108, 113, 110, 99, 86, 74, 58, 40, 27, 17, 9, 4, 1

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6, 7, 9, 15, 19

**A033608 SBS T1**  $O(IT) = 98, O(PL) = 6$

1, 4, 9, 17, 28, 41, 56, 74, 95, 114, 130, 146, 155, 156, 155, 146, 127, 105, 82, 59, 36, 7,  
-22, -40, -54, -75, -104, -141, -189, -244, -297, -347, -385, -402, -413, -420,  
-410, -381, -334, -277, -224, -176, -133, -94, -48, 3, 46, 78, 110, 157, 216, 273,  
328, 378, 417, 441, 439, 413, 379, 342, 301, 254, 196, 139, 101, 78, 58, 37, 11, -17, -36,  
-47, -62, -85, -111, -133, -148, -159, -165, -163, -153, -133, -106, -80, -57,  
-38, -23, -9, 0, 1, 1, 2, 1, 0, -1, -3, -3, -1

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7, 8, 10, 18, 23, 24

**A033609 SBS T2**  $O(IT) = 100, O(PL) = 6$

1, 4, 9, 17, 27, 39, 55, 74, 95, 114, 129, 144, 155, 155, 148, 137, 122, 108, 91, 68, 47, 24,  
-6, -35, -58, -78, -105, -151, -212, -261, -288, -318, -361, -401, -423, -421,  
-400, -375, -350, -309, -252, -192, -135, -91, -59, -16, 46, 103, 142, 173, 206,  
263, 338, 384, 396, 405, 419, 427, 415, 371, 311, 262, 218, 167, 115, 65, 25, 10, 8, -9,  
-38, -62, -79, -87, -95, -117, -143, -158, -163, -161, -151, -137, -120, -95,  
-68, -47, -27, -9, 1, 10, 17, 12, 4, 2, 1, 0, -2, -6, -6, -2

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7, 8, 10, 18, 23, 24

**A033610 SBS T3**  $O(IT) = 91, O(PL) = 6$

1, 4, 9, 16, 25, 38, 58, 83, 106, 122, 131, 137, 143, 147, 146, 137, 120, 102, 89, 79, 64, 40,  
13, -14, -51, -107, -173, -226, -251, -261, -283, -326, -372, -394, -385, -362,  
-344, -337, -331, -309, -263, -204, -152, -112, -71, -18, 41, 95, 147, 208, 276,  
331, 357, 361, 365, 382, 402, 402, 369, 314, 261, 225, 203, 178, 138, 90, 51, 31, 22, 8,  
-16, -44, -71, -97, -124, -149, -164, -165, -155, -142, -132, -122, -106, -83,  
-58, -38, -25, -16, -9, -4, -1

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7, 8, 10, 18, 23, 24

**A033611 SBS T4**  $O(IT) = 99, O(PL) = 6$

1, 4, 9, 16, 24, 35, 53, 76, 99, 117, 127, 134, 145, 157, 162, 154, 132, 104, 77, 53, 33, 17, 4,  
-13, -41, -75, -108, -138, -169, -213, -275, -343, -402, -441, -453, -444, -424,  
-395, -355, -302, -238, -172, -112, -62, -24, 1, 19, 43, 83, 138, 200, 263, 323, 380,  
431, 469, 491, 489, 452, 386, 308, 236, 179, 132, 87, 45, 12, -9, -17, -17, -16, -21,  
-37, -64, -100, -137, -163, -175, -174, -167, -162, -153, -130, -93, -53, -22,  
-5, 3, 8, 11, 11, 7, 1, -4, -7, -7, -5, -3, -1

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7, 8, 10, 18, 23, 24

**A033612 SBT T1**  $O(IT) = 52, O(PL) = 5$

1, 4, 9, 16, 25, 38, 57, 80, 101, 115, 122, 124, 123, 120, 115, 103, 78, 40, -9, -63, -114,  
-157, -193, -225, -249, -261, -261, -249, -225, -193, -157, -114, -63, -9, 40,  
78, 103, 115, 120, 123, 124, 122, 115, 101, 80, 57, 38, 25, 16, 9, 4, 1

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6, 8, 10, 13, 14

**A033613 SBT T2**  $O(IT) = 59, O(PL) = 5$

1, 4, 9, 17, 28, 41, 55, 71, 90, 106, 119, 133, 139, 134, 123, 101, 68, 31, -8, -52, -101,  
-150, -195, -233, -258, -265, -266, -261, -237, -200, -156, -107, -58, -12, 30,  
70, 106, 128, 138, 143, 137, 122, 108, 92, 72, 56, 43, 28, 13, 3, -1, -3, -3, -1, 0, 1, 3,  
3, 1

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6, 8, 10, 13, 14

**A033614 SBT T3**  $O(IT) = 55, O(PL) = 4$

1, 4, 9, 17, 27, 39, 55, 75, 99, 123, 146, 171, 192, 207, 220, 223, 217, 212, 196, 162,  
123, 78, 28, -17, -66, -118, -157, -185, -206, -219, -232, -239, -226, -203, -181,  
-155, -128, -103, -73, -46, -33, -25, -15, -6, 4, 10, 6, 2, 2, 1, 0, -2, -6, -6, -2

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8, 10, 13, 14

**A033615 SBT T4**  $O(IT) = 60, O(PL) = 5$

1, 4, 9, 16, 24, 35, 52, 73, 94, 110, 119, 123, 127, 133, 135, 124, 95, 52, -1, -57, -112,  
-164, -207, -238, -255, -264, -268, -267, -255, -227, -185, -130, -70, -7, 53,  
102, 135, 147, 145, 138, 132, 127, 118, 103, 82, 58, 36, 18, 4, -7, -13, -13, -9, -2, 4,  
7, 7, 5, 3, 1

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6, 8, 10, 13, 14

**A033616 TSC T1**  $O(IT) = 27, O(PL) = 3$

1, 4, 9, 16, 25, 37, 53, 73, 95, 115, 130, 139, 143, 144, 143, 139, 130, 115, 95, 73, 53, 37,  
25, 16, 9, 4, 1

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7, 9, 10

**A033617 TSC T2**  $O(IT) = 27, O(PL) = 3$

1, 4, 9, 17, 28, 41, 56, 72, 89, 107, 124, 139, 149, 152, 149, 139, 124, 107, 89, 72, 56, 41,  
28, 17, 9, 4, 1

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7, 9, 10

**A038401 AFN T3**  $O(IT) = 35, O(PL) = 4$

1, 4, 9, 17, 30, 49, 73, 94, 106, 119, 132, 128, 100, 64, 41, 12, -41, -88, -102, -108,  
-132, -139, -108, -78, -71, -61, -30, -5, -5, -8, -1, 4, 0, -4, -2

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6, 6, 8, 10

**A038402 AFN T2**  $O(IT) = 33, O(PL) = 4$

1, 4, 9, 17, 27, 40, 53, 64, 71, 67, 62, 53, 35, 13, -12, -33, -51, -63, -71, -73, -63,  
-53, -44, -30, -15, -5, -3, -1, 3, 3, 0, -3, -2  

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3, 6, 8, 10

**A038403 AFN T1**  $O(IT) = 33, O(PL) = 4$

1, 4, 9, 19, 33, 51, 74, 90, 104, 120, 127, 119, 94, 73, 43, 0, -37, -73, -95, -119, -130,  
-120, -109, -90, -75, -51, -30, -19, -8, -4, 1, 0, -2  

---

6, 6, 8, 10

**A038404 AFN T4**  $O(IT) = 31, O(PL) = 4$

1, 4, 10, 21, 35, 50, 69, 92, 111, 118, 117, 114, 103, 74, 34, 0, -34, -74, -103, -114,  
-117, -118, -111, -92, -69, -50, -35, -21, -10, -4, -1  

---

6, 6, 8, 10

**A038405 AWO T3**  $O(IT) = 35, O(PL) = 3$

1, 4, 9, 19, 35, 53, 72, 93, 115, 137, 160, 183, 205, 225, 242, 257, 267, 268, 259, 244, 227,  
207, 185, 163, 140, 117, 95, 73, 53, 35, 18, 7, 2, -1, -1  

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5, 14, 14

**A038406 AWO T1**  $O(IT) = 31, O(PL) = 4$

1, 4, 10, 20, 34, 50, 64, 72, 74, 74, 68, 54, 40, 26, 11, 0, -11, -26, -40, -54, -68, -74,  
-74, -72, -64, -50, -34, -20, -10, -4, -1  

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4, 5, 7, 14

**A038407 AWO T2 (also UEI T3)**  $O(IT) = 24, O(PL) = 4$

1, 4, 10, 21, 35, 48, 62, 75, 77, 65, 43, 15, -15, -43, -65, -77, -75, -62, -48, -35,  
-21, -10, -4, -1  

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4, 5, 7, 7

**A038408 DFT T1**  $O(IT) = 10, O(PL) = 3$

1, 3, 6, 10, 12, 12, 10, 6, 3, 1  
1, 3, 5

**A038409 ESV T1**  $O(IT) = 179, O(PL) = 10$

1, 4, 10, 20, 35, 56, 82, 110, 139, 170, 208, 245, 269, 289, 308, 322, 320, 292, 251, 205,  
143, 41, -91, -217, -351, -516, -711, -904, -1060, -1210, -1379, -1534, -1634,  
-1670, -1688, -1696, -1642, -1492, -1274, -1055, -793, -452, -47, 398, 813, 1246,  
1736, 2230, 2679, 3038, 3382, 3732, 3998, 4123, 4144, 4148, 4080, 3882, 3530, 3077, 2652,  
2140, 1469, 741, 15, -665, -1405, -2225, -2993, -3645, -4227, -4814, -5347, -5741,  
-5955, -6070, -6194, -6163, -5923, -5573, -5140, -4679, -4084, -3311, -2507,  
-1726, -925, -33, 897, 1763, 2533, 3273, 4039, 4686, 5184, 5567, 5864, 6134, 6230,  
6118, 5942, 5705, 5360, 4863, 4245, 3603, 2967, 2262, 1458, 673, -47, -739, -1427,  
-2115, -2675, -3110, -3512, -3838, -4068, -4175, -4164, -4102, -3981, -3752,  
-3416, -3041, -2650, -2221, -1760, -1271, -811, -384, 35, 426, 784, 1073, 1291,  
1482, 1623, 1693, 1701, 1676, 1623, 1528, 1390, 1227, 1063, 895, 709, 522, 355, 213, 87,  
-37, -136, -203, -255, -296, -320, -321, -308, -291, -270, -244, -206, -170,  
-142, -113, -82, -54, -33, -19, -9, -2, 1, 0, -2, -2, -1  

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7, 11, 13, 15, 16, 18, 19, 21, 24, 30

**A038410 ESV T2**  $O(IT) = 180, O(PL) = 11$

1, 4, 10, 20, 36, 58, 82, 108, 140, 176, 210, 239, 257, 278, 297, 283, 238, 178, 97, -7,  
-142, -322, -505, -684, -877, -1090, -1321, -1498, -1614, -1704, -1746, -1721,  
-1607, -1393, -1104, -789, -394, 136, 722, 1314, 1905, 2498, 3095, 3619, 4039, 4350,  
4550, 4686, 4675, 4411, 3989, 3497, 2845, 2026, 1133, 168, -819, -1772, -2769, -3774,  
-4664, -5375, -5959, -6469, -6775, -6831, -6768, -6565, -6176, -5688, -5043,  
-4189, -3315, -2454, -1453, -407, 539, 1433, 2326, 3191, 3964, 4659, 5266, 5717,  
6099, 6444, 6559, 6513, 6524, 6418, 6104, 5723, 5258, 4643, 3966, 3213, 2324, 1400,  
502, -415, -1432, -2449, -3326, -4188, -5027, -5679, -6193, -6592, -6775, -6806,  
-6749, -6467, -5962, -5370, -4654, -3782, -2791, -1775, -801, 192, 1144, 2018,  
2836, 3499, 3990, 4402, 4672, 4700, 4569, 4359, 4030, 3607, 3088, 2495, 1906, 1310, 723,  
144, -393, -799, -1119, -1401, -1611, -1720, -1743, -1703, -1612, -1499, -1324,  
-1096, -881, -678, -497, -315, -135, -5, 97, 176, 238, 284, 299, 283, 259, 239, 207,  
173, 138, 106, 83, 58, 35, 19, 8, 2, 0, 0, 1, 1, 1, 1  

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7, 11, 12, 12, 13, 15, 16, 18, 19, 21, 30

**A038411 ESV T4**  $O(IT) = 179, O(PL) = 10$

1, 4, 10, 21, 36, 56, 82, 112, 141, 170, 203, 241, 272, 288, 303, 317, 321, 300, 253, 204,  
140, 40, -81, -214, -358, -523, -710, -897, -1060, -1218, -1388, -1528, -1617,  
-1671, -1697, -1697, -1632, -1483, -1293, -1065, -790, -452, -39, 389, 810, 1261,  
1746, 2230, 2662, 3046, 3400, 3735, 3988, 4111, 4159, 4150, 4079, 3878, 3514, 3107, 2665,  
2121, 1467, 741, 24, -677, -1422, -2232, -2995, -3634, -4240, -4832, -5352, -5729,  
-5945, -6106, -6196, -6145, -5920, -5560, -5165, -4689, -4061, -3305, -2512,  
-1739, -909, -14, 903, 1762, 2528, 3292, 4042, 4694, 5190, 5559, 5892, 6131, 6212,  
6128, 5939, 5708, 5356, 4855, 4245, 3612, 2979, 2245, 1444, 676, -44, -742, -1450,  
-2112, -2677, -3124, -3508, -3858, -4076, -4161, -4168, -4105, -3982, -3744,  
-3415, -3047, -2650, -2225, -1753, -1268, -808, -381, 36, 443, 789, 1072, 1302,  
1482, 1626, 1698, 1703, 1675, 1616, 1527, 1393, 1224, 1062, 893, 708, 522, 356, 211, 78,  
-40, -139, -205, -253, -301, -323, -319, -304, -288, -273, -242, -202, -168,  
-141, -114, -82, -53, -33, -20, -10, -2, 1, 0, -2, -2, -1

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7, 11, 13, 15, 16, 18, 19, 21, 24, 30

**A038412 ESV T3**  $O(IT) = 178, O(PL) = 11$

1, 4, 10, 21, 36, 57, 82, 110, 141, 173, 210, 233, 265, 283, 288, 282, 243, 178, 96, -8,  
-157, -313, -495, -689, -883, -1110, -1304, -1486, -1630, -1701, -1747, -1710,  
-1589, -1391, -1135, -780, -355, 139, 708, 1309, 1912, 2523, 3080, 3601, 4024, 4345,  
4593, 4678, 4601, 4409, 4033, 3474, 2807, 2025, 1126, 185, -785, -1813, -2804, -3744,  
-4605, -5379, -6011, -6436, -6704, -6853, -6768, -6554, -6197, -5657, -4979,  
-4245, -3366, -2383, -1417, -473, 507, 1452, 2344, 3167, 3960, 4644, 5232, 5752,  
6145, 6351, 6514, 6619, 6522, 6353, 6120, 5746, 5233, 4664, 3963, 3154, 2334, 1459,  
502, -474, -1443, -2368, -3354, -4230, -4993, -5663, -6201, -6543, -6774, -6856,  
-6710, -6409, -6007, -5377, -4626, -3746, -2797, -1811, -789, 186, 1133, 2036,  
2804, 3460, 4025, 4415, 4611, 4675, 4596, 4344, 4035, 3595, 3072, 2516, 1914, 1315, 713,  
130, -351, -784, -1130, -1405, -1589, -1712, -1740, -1699, -1632, -1489, -1303,  
-1112, -881, -694, -490, -306, -155, -7, 92, 180, 243, 282, 289, 282, 269, 233, 208,  
171, 138, 114, 80, 58, 34, 21, 9, 4, -1, 1, 0, 2

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7, 11, 12, 12, 13, 15, 16, 18, 19, 21, 30

**A038413 ESV T6**  $O(IT) = 151, O(PL) = 10$

1, 4, 11, 20, 37, 54, 82, 111, 138, 171, 206, 240, 272, 288, 297, 297, 277, 232, 154, 60,  
-67, -209, -394, -599, -805, -1030, -1240, -1449, -1635, -1765, -1861, -1883,  
-1842, -1705, -1485, -1166, -763, -274, 298, 930, 1586, 2281, 2957, 3613, 4203, 4684,  
5059, 5281, 5333, 5209, 4877, 4362, 3664, 2790, 1744, 587, -647, -1954, -3248, -4511,  
-5679, -6686, -7529, -8165, -8550, -8669, -8482, -8060, -7354, -6409, -5217,  
-3864, -2378, -804, 780, 2366, 3862, 5196, 6382, 7339, 8066, 8495, 8666, 8550, 8177,  
7555, 6701, 5679, 4518, 3271, 1982, 663, -587, -1735, -2779, -3659, -4373, -4891,  
-5208, -5330, -5285, -5076, -4697, -4205, -3621, -2972, -2300, -1588, -920,  
-294, 270, 758, 1173, 1494, 1706, 1838, 1886, 1874, 1778, 1637, 1448, 1239, 1034, 803,  
592, 390, 210, 72, -61, -160, -237, -279, -297, -301, -291, -272, -235, -202, -171,  
-141, -112, -80, -51, -36, -20, -9, -2, 1, -2, -2, -2

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7, 11, 12, 13, 15, 15, 16, 18, 19, 21

**A038414 ESV T5**  $O(IT) = 160, O(PL) = 10$

1, 4, 11, 22, 36, 56, 78, 109, 144, 173, 203, 236, 270, 302, 312, 311, 309, 294, 244, 160,  
64, -45, -178, -359, -562, -741, -931, -1139, -1365, -1564, -1692, -1805, -1902,  
-1942, -1882, -1735, -1544, -1302, -965, -507, -2, 511, 1084, 1716, 2393, 3014,  
3551, 4082, 4578, 4956, 5176, 5241, 5217, 5078, 4732, 4169, 3490, 2725, 1824, 773, -384,  
-1525, -2624, -3765, -4891, -5914, -6749, -7402, -7972, -8370, -8486, -8326,  
-7978, -7479, -6771, -5802, -4632, -3417, -2145, -741, 718, 2153, 3438, 4626, 5773,  
6760, 7499, 7994, 8310, 8464, 8376, 7996, 7406, 6728, 5904, 4911, 3787, 2619, 1507,  
389, -749, -1814, -2740, -3501, -4154, -4711, -5079, -5234, -5245, -5160, -4948,  
-4591, -4097, -3546, -3000, -2395, -1732, -1092, -503, 8, 497, 952, 1303, 1555,  
1737, 1872, 1936, 1907, 1812, 1690, 1558, 1366, 1146, 935, 738, 559, 362, 182, 45, -67,  
-160, -241, -292, -310, -313, -312, -301, -270, -237, -204, -173, -144, -109,  
-78, -56, -36, -22, -11, -4, -1

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7, 11, 13, 15, 15, 16, 18, 19, 21, 24

**A038415** STT T5  $O(IT) = 520$ ,  $O(PL) = 17$

1, 4, 9, 21, 38, 57, 78, 103, 140, 186, 199, 227, 254, 302, 328, 328, 313, 348, 368, 376, 333,  
 320, 312, 340, 258, 184, 101, 51, -53, -184, -408, -533, -699, -868, -1135, -1323,  
 -1571, -1682, -1967, -2179, -2389, -2488, -2727, -2842, -3047, -3053, -3150,  
 -3159, -3251, -3094, -2955, -2750, -2614, -2202, -1855, -1301, -825, -310,  
 428, 1257, 1892, 2771, 3555, 4581, 5552, 6378, 7296, 8304, 9402, 10289, 10972, 11865,  
 12703, 13401, 14065, 14090, 14643, 14797, 14846, 14557, 14081, 13361, 13012, 11668,  
 10727, 8914, 7586, 5676, 3806, 1368, -838, -3679, -5919, -9296, -11714, -15138,  
 -17980, -21234, -24076, -27302, -29739, -33235, -35239, -38106, -39701, -42040,  
 -43418, -44874, -45366, -46089, -45750, -45979, -44396, -43368, -41142, -38838,  
 -36000, -32386, -28225, -23940, -18804, -13757, -7662, -1395, 4837, 11829, 18350,  
 25951, 33082, 40360, 47473, 54625, 61434, 68800, 74315, 81162, 85651, 91403, 95386,  
 99381, 101627, 104350, 104532, 106314, 104369, 103951, 100005, 97572, 92347, 87651,  
 80143, 73585, 63931, 56615, 44962, 35349, 22849, 11614, -1467, -13536, -27987,  
 -40079, -54889, -66962, -81320, -93283, -106509, -118188, -129781, -139722,  
 -150155, -157897, -166680, -172223, -177404, -181509, -183598, -184902,  
 -184026, -181787, -178257, -173166, -166188, -158246, -147601, -137645,  
 -123974, -111437, -95347, -79858, -62433, -45553, -25772, -8167, 13312, 30997,  
 52343, 70689, 91741, 109566, 129423, 145440, 164272, 178104, 195200, 206195, 219909,  
 228660, 238718, 244481, 251028, 252125, 255475, 252674, 251971, 245669, 240002,  
 230389, 220806, 207662, 194665, 177494, 161846, 141837, 123060, 101561, 79785, 57283,  
 34044, 9964, -13122, -37600, -60898, -84511, -107750, -128850, -150981, -170340,  
 -189984, -206946, -222923, -236939, -250298, -259634, -269731, -274376,  
 -280653, -281668, -282813, -279932, -276507, -269283, -262658, -250327,  
 -240123, -223937, -210152, -191743, -173978, -152791, -132904, -109708, -88896,  
 -63275, -41571, -15989, 6380, 30928, 53804, 77213, 98061, 120652, 139008, 159381,  
 175472, 192242, 206333, 218987, 229511, 238649, 245164, 251327, 253039, 254814,  
 253483, 250592, 246514, 239053, 230752, 220915, 208886, 196264, 181421, 165474,  
 149256, 130769, 113394, 93332, 74431, 54377, 34510, 15014, -4285, -24472, -41842,  
 -61006, -76904, -93857, -108843, -123010, -135314, -146994, -156504, -166032,  
 -171824, -178386, -181170, -184238, -185029, -184203, -181756, -178664,  
 -172823, -167915, -159284, -151416, -141431, -131310, -120084, -108134, -95466,  
 -82981, -69075, -56575, -42337, -29379, -16003, -2564, 9529, 21619, 33515, 44037,  
 54850, 63520, 72033, 79777, 86490, 92351, 96614, 100302, 103348, 104798, 106044,  
 105379, 104192, 102748, 99553, 96414, 91964, 86853, 81684, 75720, 69454, 62764, 55423,  
 48745, 41228, 34322, 26799, 19404, 12714, 5902, -672, -6844, -13139, -18111, -23326,  
 -27826, -31948, -35692, -38581, -40966, -43232, -44476, -45840, -46051, -46140,  
 -45635, -45015, -43903, -42296, -40208, -38338, -35800, -33541, -30475, -27498,  
 -24670, -21664, -18480, -15467, -12288, -9480, -6490, -3871, -1227, 1135, 3458,  
 5605, 7337, 8810, 10491, 11702, 12881, 13428, 13942, 14612, 14982, 14913, 14636, 14269,  
 14107, 13654, 12863, 11904, 11136, 10495, 9517, 8490, 7434, 6453, 5736, 4765, 3633, 2898,  
 2032, 1259, 584, -210, -836, -1266, -1792, -2229, -2554, -2736, -3035, -3123,  
 -3178, -3237, -3145, -3087, -3137, -2854, -2692, -2592, -2413, -2219, -2016,  
 -1707, -1579, -1407, -1168, -885, -724, -568, -386, -232, -75, 75, 89, 190, 274,  
 302, 347, 350, 324, 367, 372, 361, 341, 317, 309, 314, 283, 231, 193, 187, 153, 118, 80, 46,  
 46, 31, 2, 2, 3, -1, 2, -9, -9, 4, 1, -6, -3, 2, 0, 0, -1, -1, 3, 3, -1, -1, 1, 0, 0, -2,  
 1, 1

7, 11, 19, 20, 23, 24, 25, 27, 29, 30, 32, 34, 36, 40, 42, 44, 52

**A038416** STT T12  $O(IT) = 521$ ,  $O(PL) = 17$

1, 4, 10, 18, 35, 59, 77, 106, 146, 169, 203, 230, 269, 297, 299, 322, 356, 354, 350, 331, 347, 363, 342, 260, 247, 236, 149, 22, -85, -211, -315, -532, -748, -882, -1068, -1363, -1548, -1736, -1930, -2153, -2374, -2578, -2659, -2805, -3030, -3129, -3089, -3210, -3191, -3108, -3016, -2778, -2543, -2317, -1788, -1294, -921, -288, 463, 1174, 1962, 2728, 3527, 4599, 5512, 6312, 7310, 8418, 9216, 10177, 11082, 11936, 12751, 13280, 13693, 14571, 14746, 14661, 14645, 14581, 14253, 13743, 12561, 11689, 10731, 9311, 7314, 5824, 3773, 1468, -883, -3421, -6208, -8639, -12171, -15163, -17707, -20891, -24396, -27151, -30094, -32714, -35233, -37992, -40357, -41478, -43349, -45054, -45395, -45972, -46128, -45420, -44940, -43389, -40935, -39070, -36275, -32262, -28181, -24238, -18939, -13776, -7818, -1304, 4645, 11061, 19164, 25584, 32748, 40119, 47514, 54547, 61852, 67780, 74640, 80897, 86412, 90531, 95798, 98977, 102021, 104188, 105139, 105267, 105559, 103008, 100907, 97344, 92803, 87052, 80994, 73159, 65031, 55989, 45803, 34644, 24057, 11419, -992, -13777, -27438, -40397, -53678, -67699, -80735, -93440, -106108, -117977, -129597, -140013, -149744, -157992, -166402, -172325, -177542, -181386, -183954, -184470, -184703, -181557, -178765, -173098, -166532, -157925, -148838, -136978, -125071, -110718, -96303, -79752, -63757, -44621, -26827, -7621, 11661, 31698, 51124, 71937, 90122, 109972, 128315, 146557, 162966, 179333, 193482, 207151, 219101, 229537, 237821, 245488, 249706, 253244, 255045, 253578, 251162, 246616, 239544, 231228, 220966, 208012, 194547, 178627, 161265, 142629, 123784, 101439, 80198, 57638, 34284, 10716, -12592, -38100, -60119, -84170, -107097, -129461, -149734, -171138, -189070, -207002, -222830, -237411, -248772, -261431, -268369, -275235, -280119, -282358, -282008, -281295, -275698, -270185, -262041, -251807, -238865, -226003, -209515, -192120, -174132, -153826, -132379, -111579, -87494, -64361, -41759, -17024, 6869, 30272, 53956, 76523, 97886, 119866, 139959, 158133, 175798, 192359, 205356, 219425, 229735, 238241, 245717, 250792, 253033, 255391, 253555, 250949, 245945, 239853, 230496, 221495, 209460, 195896, 181499, 166498, 148774, 132316, 112573, 93725, 74876, 55054, 34520, 15290, -4598, -23389, -42259, -60057, -77684, -93120, -108646, -123070, -135160, -146658, -157072, -165035, -172667, -177803, -181421, -184383, -185032, -184184, -182022, -178595, -173517, -167338, -159913, -151195, -141928, -131749, -119637, -108510, -95797, -82982, -69843, -56057, -42669, -29811, -15924, -3171, 9637, 21561, 33309, 44020, 54380, 63657, 72007, 79847, 86552, 91600, 97027, 100501, 103121, 105131, 105532, 105378, 104872, 102452, 99730, 96307, 92058, 87052, 82006, 75792, 69132, 63026, 55893, 48453, 41720, 33986, 26775, 20146, 12524, 5781, -386, -6885, -12887, -18053, -23318, -27987, -31655, -35594, -38781, -40786, -43302, -44803, -45259, -46292, -46323, -45589, -45109, -43801, -42038, -40655, -38464, -35611, -33444, -30729, -27480, -24878, -21692, -18257, -15691, -12490, -9221, -6820, -3919, -996, 1083, 3305, 5575, 7194, 9028, 10677, 11410, 12491, 13842, 14111, 14462, 14899, 14707, 14817, 14650, 13854, 13422, 13066, 12011, 11150, 10513, 9444, 8437, 7611, 6451, 5655, 4832, 3642, 2793, 2244, 1265, 449, -132, -793, -1265, -1725, -2349, -2539, -2674, -3006, -3211, -3191, -3198, -3136, -3146, -3102, -2888, -2651, -2608, -2453, -2183, -1966, -1785, -1596, -1414, -1096, -904, -798, -572, -354, -196, -96, -11, 121, 251, 276, 270, 317, 376, 359, 362, 343, 339, 365, 340, 303, 310, 268, 241, 218, 175, 138, 123, 84, 59, 36, 18, 7, 13, -5, -6, 2, 5, -5, -2, -6, 0, 1, -3, -5, 1, 1, 0, -1, 0, 2, 3, -1, 0, 0, -1, 0, -1, 1, 1

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7, 11, 19, 20, 23, 24, 25, 27, 29, 30, 32, 34, 36, 40, 42, 44, 52

**A038417** STT T4  $O(IT) = 505$ ,  $O(PL) = 17$

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2187, 2853, 3791, 4284, 5049, 5569, 6634, 7160, 7786, 8208, 9062, 9357, 9944, 9904,  
10439, 10491, 10554, 10062, 10132, 9616, 9273, 8067, 7438, 6327, 5588, 3842, 2259,  
716, -624, -2759, -4565, -6973, -8678, -10766, -12949, -15330, -17227, -19312,  
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44729, 50543, 52905, 57985, 59604, 64392, 64937, 68064, 68027, 70273, 68832, 69840,  
66644, 66629, 62695, 60773, 55163, 52137, 45817, 41201, 33642, 27753, 19327, 12986,  
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154115, 155099, 161777, 160108, 163557, 160382, 161035, 155449, 152982, 144918,  
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137022, 145360, 150382, 156545, 159005, 161937, 162010, 161895, 160703, 157425,  
153696, 147224, 142360, 133264, 126780, 115513, 107176, 94353, 85534, 70609, 61711,  
45582, 36192, 19846, 10634, -5654, -14247, -30374, -38187, -53269, -59248, -73624,  
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10547, 9948, 10069, 9434, 9249, 8312, 7977, 7182, 6899, 5709, 5206, 4425, 3974, 2880,  
2378, 1489, 1278, 465, -73, -751, -802, -1363, -1597, -2118, -2113, -2315, -2264,  
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329, 333, 353, 356, 328, 291, 280, 259, 209, 175, 143, 111, 93, 59, 36, 19, 8, -2, -2, -11,  
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7, 11, 15, 19, 20, 23, 24, 25, 27, 29, 32, 34, 36, 40, 42, 44, 52

**A038418** STT T8  $O(IT) = 523$ ,  $O(PL) = 17$

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7, 11, 19, 20, 23, 24, 25, 27, 29, 30, 32, 34, 36, 40, 42, 44, 52



**A038419** STT T7  $O(IT) = 520$ ,  $O(PL) = 17$

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**A038420 STT T13**  $O(IT) = 516$ ,  $O(PL) = 17$

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408, 1082, 1833, 2963, 3565, 4507, 5314, 6564, 7344, 8477, 9149, 10122, 11220, 12042,  
12517, 13437, 13811, 14440, 14690, 14693, 14764, 14561, 14229, 13494, 12827, 11864,  
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318, 339, 380, 342, 352, 371, 356, 330, 342, 313, 292, 281, 239, 201, 189, 149, 111, 95, 49,  
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**A038421** STT T6  $O(IT) = 516$ ,  $O(PL) = 17$

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**A038422** STT T10  $O(IT) = 522$ ,  $O(PL) = 17$

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**A038423 STT T2**  $O(IT) = 496$ ,  $O(PL) = 17$

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**A038424** STT T9  $O(IT) = 519$ ,  $O(PL) = 17$

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**A038425 STT T16**  $O(IT) = 518, O(PL) = 17$

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374, 322, 241, 274, 222, 149, 6, -88, -200, -313, -555, -730, -918, -1044, -1375,  
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-3238, -3166, -3168, -2892, -2820, -2474, -2364, -1777, -1306, -752, -409, 480,  
1131, 2059, 2731, 3624, 4417, 5617, 6375, 7405, 8283, 9354, 10082, 11163, 11977, 12680,  
13265, 13907, 14197, 14791, 14876, 14505, 14524, 14172, 13590, 12790, 11753, 10311,  
9245, 7587, 5834, 3437, 1632, -1244, -3174, -6114, -9121, -12290, -14597, -18346,  
-20653, -24583, -27076, -30274, -32261, -35906, -37602, -40302, -41400, -43882,  
-44071, -46291, -45365, -46170, -45305, -45148, -42592, -41868, -38114, -36399,  
-31986, -28808, -23204, -19502, -13103, -7951, -1279, 4355, 12401, 18079, 26343,  
32671, 40128, 47488, 55171, 61189, 68353, 74387, 80830, 86324, 91164, 95096, 98694,  
102460, 103608, 105527, 105159, 104762, 102962, 101478, 96354, 93416, 86063, 81179,  
72514, 66009, 54540, 46297, 33629, 24653, 10452, 290, -16090, -25976, -41677, -52596,  
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-80253, -62334, -45262, -26139, -7676, 12089, 32064, 51367, 71733, 90238, 110675,  
127648, 147407, 162136, 179994, 192526, 208481, 217169, 231409, 235918, 246540,  
248089, 255173, 252281, 256058, 248125, 248438, 237190, 233712, 217324, 210735,  
191125, 180803, 158828, 145163, 119304, 104914, 76881, 60156, 31704, 12682, -16244,  
-34428, -63268, -82002, -109599, -127010, -152807, -168061, -191140, -205785,  
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-282295, -279959, -276145, -270174, -261035, -251411, -238818, -225460,  
-208502, -193707, -171245, -155172, -131043, -111900, -86378, -66083, -38315,  
-19571, 9100, 28154, 56722, 73801, 101285, 116810, 141955, 156441, 178620, 188467,  
209545, 215268, 232539, 235961, 247660, 247710, 256152, 251687, 256156, 247968,  
248511, 236246, 233405, 218523, 210691, 194508, 182841, 163725, 151243, 129236,  
114332, 92609, 75215, 53817, 35357, 14398, -4130, -24003, -41821, -60899, -76905,  
-93387, -109174, -121767, -136254, -146004, -157119, -164622, -172870, -176787,  
-182733, -182571, -186194, -182253, -183543, -176765, -174750, -165623,  
-160794, -149563, -143658, -129336, -121833, -105719, -97629, -81457, -71138,  
-54518, -43911, -27744, -18233, -1157, 8003, 23461, 31748, 45252, 52925, 64807,  
71154, 80819, 84823, 93112, 95313, 101595, 102522, 104991, 104878, 106051, 103887,  
103137, 98986, 96288, 91711, 87522, 81499, 75479, 69509, 62423, 55926, 48747, 41203,  
34003, 27254, 19127, 13378, 5504, -346, -7271, -12189, -18625, -22679, -28320,  
-31508, -35922, -37589, -41978, -42427, -45016, -45061, -46400, -45598, -46540,  
-44094, -44232, -41769, -40883, -37730, -36525, -32714, -30880, -27451, -25044,  
-21189, -19051, -14836, -12752, -9503, -6780, -3395, -1538, 1409, 3026, 5475,  
7406, 9275, 9905, 11630, 12707, 13562, 14213, 14480, 14428, 15075, 14890, 14272, 14040,  
13490, 12817, 12095, 11371, 10190, 9559, 8467, 7426, 6593, 5863, 4453, 3750, 2864, 2217,  
1294, 562, -430, -587, -1156, -1757, -2426, -2448, -2791, -2813, -3208, -3260,  
-3285, -2982, -3196, -3059, -2915, -2653, -2637, -2352, -2274, -1933, -1781,  
-1608, -1434, -1048, -923, -771, -626, -339, -192, -69, -45, 101, 248, 322, 233,  
296, 359, 389, 356, 335, 328, 371, 364, 303, 271, 285, 252, 215, 175, 131, 121, 101, 51, 28,  
26, 8, 8, 2, -10, 2, 7, -3, -1, -2, -3, 2, 0, -5, 0, 2, 0, -1, -2, -1, 2, 0, 0, 0, 1

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**A038426 STT T3**  $O(IT) = 479$ ,  $O(PL) = 17$

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334, 296, 241, 179, 123, 18, -44, -227, -345, -527, -699, -923, -1096, -1386, -1586,  
-1827, -2041, -2285, -2424, -2686, -2780, -2892, -2960, -3067, -2967, -2969,  
-2791, -2638, -2365, -2106, -1554, -1229, -625, 9, 746, 1471, 2401, 3154, 4217, 5242,  
6187, 7106, 8205, 9154, 10071, 10964, 11623, 12389, 13037, 13433, 13691, 13949, 13812,  
13697, 13209, 12605, 11652, 10736, 9151, 7670, 5920, 3845, 1396, -771, -3819, -6237,  
-9431, -12363, -15709, -18481, -22029, -24764, -28117, -30687, -33912, -35712,  
-38685, -40122, -42011, -43098, -44125, -43859, -44346, -43086, -42177, -39926,  
-37793, -34336, -31130, -26608, -21893, -16409, -10945, -4184, 1995, 9449, 16598,  
24174, 31774, 39713, 47246, 55016, 62346, 69546, 76178, 82414, 88201, 92790, 97442,  
100235, 103150, 103992, 104815, 103531, 102238, 98310, 94942, 88390, 82887, 74019,  
66047, 55028, 45192, 32241, 20637, 6166, -6773, -22420, -35752, -52215, -65786,  
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-180257, -186552, -188217, -190335, -188663, -186883, -181238, -175888,  
-166453, -156614, -144019, -130464, -114365, -97657, -78976, -58974, -38517,  
-16504, 5565, 28471, 51142, 74827, 96565, 119730, 140108, 161686, 179987, 199226,  
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255145, 247458, 232957, 220854, 201405, 184841, 161409, 141143, 114210, 91073, 62232,  
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264061, 266517, 271244, 268567, 267848, 260726, 254760, 242606, 232581, 215982,  
202092, 182664, 164705, 143094, 122954, 99528, 78206, 53927, 32039, 8167, -13259,  
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-175206, -181051, -186884, -188921, -190930, -188995, -187337, -181785,  
-176665, -168098, -160192, -148286, -138656, -124252, -112572, -97428, -83937,  
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73215, 82462, 87735, 94930, 97984, 102479, 103669, 105360, 104421, 103922, 101042,  
98429, 93649, 89530, 83316, 77547, 70564, 63571, 56205, 48394, 40710, 32929, 25026,  
17631, 10221, 2858, -3538, -10233, -15789, -21586, -26090, -30874, -34231, -37694,  
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13826, 14169, 13855, 13562, 13174, 12578, 11871, 11158, 10267, 9310, 8411, 7360, 6322,  
5352, 4386, 3234, 2548, 1498, 750, 59, -593, -1273, -1598, -2119, -2346, -2703,  
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287, 356, 357, 347, 353, 369, 347, 330, 285, 263, 259, 230, 171, 126, 122, 91, 57, 27, 12,  
9, 8, -16, -12, -1, 5, -9, -4, -12, 4, -1, -6, -6, 6, 0, 2, 1, 1, 2, 2, -4, 1, 2, 1, 1, -1,  
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7, 11, 16, 19, 20, 23, 24, 25, 26, 27, 29, 30, 34, 36, 40, 42, 44



**A038427 STT T15**  $O(IT) = 489, O(PL) = 18$

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5515, 6541, 7339, 8229, 9138, 10009, 10850, 11102, 11546, 11849, 12088, 12151,  
11629, 10786, 10451, 9443, 8590, 6715, 4736, 3102, 1353, -1128, -3688, -6983,  
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36783, 42437, 48008, 52863, 57930, 63165, 67411, 70024, 72666, 74051, 76570, 76398,  
75761, 73350, 71241, 68507, 64893, 58382, 52951, 45172, 39561, 30823, 21739, 11397,  
2423, -7658, -16750, -29189, -39299, -50623, -58782, -69115, -78955, -88945,  
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98882, 109993, 123783, 133759, 143656, 148784, 156759, 161227, 167769, 168067,  
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84143, 68274, 51073, 34897, 20031, 2591, -13481, -32140, -47202, -62630, -76224,  
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35230, 34417, 33721, 33251, 30715, 28471, 25668, 23875, 21498, 18774, 15071, 12217,  
9593, 7569, 4323, 1631, -1198, -2866, -4440, -6314, -8401, -9474, -10509, -10754,  
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2020, 2414, 2508, 2638, 2564, 2688, 2683, 2655, 2378, 2228, 2086, 1906, 1648, 1421, 1083,  
965, 791, 543, 344, 221, 73, 46, -110, -168, -223, -232, -283, -290, -346, -309,  
-307, -285, -289, -250, -225, -171, -151, -124, -96, -59, -23, -21, -22, -7, 17,  
10, 2, -3, 5, 11, 8, -7, -4, 5, 6, -3, -3, -1, 3, 0, -1, -2, 0, 1, 0, -2

7, 11, 12, 18, 19, 20, 22, 23, 24, 25, 27, 29, 30, 32, 34, 40, 42, 52

**A038428 STT T1**  $O(IT) = 518, O(PL) = 17$

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483, 1176, 1927, 2754, 3736, 4463, 5543, 6531, 7222, 8331, 9433, 10213, 11110, 11817,  
12559, 13616, 13964, 14158, 14401, 15020, 14811, 14543, 13949, 13456, 12820, 12075,  
10053, 9227, 7547, 5675, 3523, 1586, -1186, -3201, -6508, -9084, -12045, -14593,  
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25729, 33545, 40449, 47597, 54449, 61818, 68329, 75552, 79816, 86518, 91159, 95676,  
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230283, 237650, 245527, 249604, 254157, 252769, 255260, 249829, 246531, 239237,  
230740, 219738, 208576, 192820, 178683, 160231, 142681, 121465, 101790, 79717, 56224,  
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148216, 131127, 112092, 94291, 73085, 53907, 34726, 14725, -5351, -23754, -43488,  
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54144, 64112, 72325, 79483, 86642, 92304, 96715, 100505, 102962, 104959, 105870,  
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14165, 13653, 12692, 12047, 11262, 10225, 9595, 8580, 7290, 6605, 5657, 4538, 3891, 2846,  
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338, 326, 342, 401, 378, 317, 351, 354, 304, 283, 279, 241, 216, 186, 125, 113, 110, 47, 27,  
35, 5, 1, 7, -12, -4, 3, -12, -2, 7, -1, -5, -2, -1, 1, 3, -4, -4, 4, 0, 0, 0, -1, 2, 1, 1  

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**A038429 STT T11**  $O(IT) = 517, O(PL) = 17$

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368, 335, 272, 226, 217, 168, 30, -95, -214, -324, -509, -719, -933, -1099, -1275,  
-1549, -1768, -1943, -2136, -2364, -2554, -2723, -2818, -2954, -3125, -3207,  
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326, 1154, 1874, 2851, 3652, 4442, 5327, 6576, 7311, 8354, 9194, 10134, 11061, 12055,  
12534, 13345, 13838, 14324, 14623, 14947, 14614, 14456, 14180, 13627, 12790, 11866,  
10326, 9200, 7762, 5694, 3643, 1506, -933, -3354, -5964, -9121, -11907, -14838,  
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25304, 33327, 39567, 47561, 54475, 61521, 67888, 74735, 80063, 86403, 91060, 95146,  
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51192, 70743, 90504, 109444, 128043, 145708, 163274, 178083, 193871, 206318, 219222,  
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49186, 41273, 34360, 26952, 19982, 12894, 6364, -916, -6484, -12563, -18034, -23247,  
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314, 298, 328, 388, 379, 322, 346, 357, 349, 322, 285, 254, 267, 229, 167, 130, 125, 92, 66,  
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**A038430 STT T14**  $O(IT) = 497, O(PL) = 17$

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1426, 2198, 3264, 4329, 5282, 6334, 7403, 8541, 9682, 10740, 11640, 12649, 13639, 14396,  
14891, 15567, 15734, 15991, 15842, 15438, 14944, 14376, 12931, 11893, 10242, 8564,  
6362, 4247, 1476, -889, -3966, -7035, -10558, -13292, -17281, -20513, -24066,  
-27542, -30903, -33642, -37381, -39526, -42158, -44259, -46065, -47089, -48380,  
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232732, 231036, 226692, 220705, 212519, 203753, 192267, 179628, 166606, 150386,  
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9910, 8673, 7634, 6521, 5358, 4513, 3453, 2294, 1540, 657, -130, -791, -1492, -2126,  
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220, 173, 146, 117, 90, 60, 31, 10, 16, 2, -9, -5, 2, -3, 3, -4, 2, 0, 1, -6, -3, -1, 0,  
-5, 0, -2, 0, 0, 1, 3, 1, 0, 1

7, 11, 19, 20, 22, 23, 24, 25, 27, 29, 30, 32, 34, 36, 40, 42, 52

**A038431 SFF T7**  $O(IT) = 239, O(PL) = 14$

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10543, 12023, 13449, 14513, 15308, 15661, 15453, 14854, 13578, 11752, 9400, 6159, 2567,  
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-99103, -89136, -76721, -62390, -46240, -28889, -10652, 7947, 26150, 43867, 59922,  
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42936, 41467, 38956, 35441, 31280, 26862, 21773, 16847, 11721, 6689, 2260, -2003,  
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-12294, -10749, -9036, -7355, -5541, -3857, -2408, -986, 245, 1254, 2143, 2801,  
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11, 11, 12, 13, 14, 14, 15, 18, 18, 20, 20, 21, 23, 25

**A038432 SFF T6**  $O(IT) = 239, O(PL) = 14$

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-3605, -3485, -3184, -2846, -2203, -1423, -433, 887, 2210, 3666, 5230, 7044, 8854,  
10471, 12131, 13303, 14497, 15433, 15665, 15447, 14761, 13616, 11826, 9368, 6255, 2349,  
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-42563, -43161, -42542, -40483, -37304, -32441, -26272, -18998, -10910, -1576,  
8623, 18938, 29539, 39787, 49481, 58799, 66987, 73385, 78117, 81161, 82107, 80805,  
77276, 71157, 63008, 53179, 41218, 27581, 12817, -2848, -18900, -34841, -50410,  
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74642, 87582, 97869, 105243, 110325, 112064, 111191, 107323, 100537, 91531, 80132,  
67374, 52762, 37132, 21365, 4991, -10423, -25533, -39347, -51538, -61904, -70038,  
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-92, -60, -31, -22, -13, -3, 1, 2, -1, -1

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11, 11, 12, 13, 14, 14, 15, 18, 18, 20, 20, 21, 23, 25

**A038433 SFF T3**  $O(IT) = 237, O(PL) = 14$

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-2532, -2272, -1876, -1361, -696, 195, 1231, 2278, 3502, 4745, 6001, 7334, 8488,  
9515, 10330, 10942, 11245, 11070, 10614, 9585, 8165, 6446, 4063, 1302, -1786, -5099,  
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27267, 17773, 7334, -3412, -14735, -25826, -36433, -46491, -55354, -63110, -69085,  
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13, -122, -222, -292, -339, -369, -349, -305, -266, -225, -186, -145, -114, -78,  
-45, -31, -10, 1, 0, 5, 4, 2, 0, -3, -1, 1, 3, -1, -6, -3

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9, 11, 11, 12, 13, 14, 14, 15, 18, 20, 20, 21, 23, 25

**A038434 SFF T4**  $O(IT) = 247, O(PL) = 14$

1, 4, 11, 22, 39, 54, 84, 110, 145, 189, 234, 268, 319, 351, 392, 412, 390, 346, 267, 184, 53,  
-131, -364, -651, -949, -1264, -1665, -2043, -2453, -2770, -3077, -3278, -3487,  
-3578, -3450, -3241, -2782, -2149, -1413, -351, 848, 2273, 3749, 5333, 7145, 8767,  
10596, 12119, 13419, 14577, 15320, 15659, 15450, 14807, 13567, 11610, 9326, 6009, 2414,  
-1690, -6313, -11089, -16316, -21194, -26241, -30846, -34830, -38647, -41048,  
-42710, -43308, -42370, -40527, -36917, -32342, -26077, -18769, -10571, -995,  
8752, 19338, 29890, 40128, 50133, 58970, 67254, 73484, 78337, 81474, 81905, 80929,  
76946, 70958, 62977, 52556, 40884, 26905, 12310, -3320, -19557, -35300, -51211,  
-65683, -78952, -90435, -99642, -106816, -110709, -112368, -110660, -106035,  
-99013, -88604, -76541, -61763, -45621, -28287, -9752, 8438, 26953, 44525, 60626,  
75620, 87936, 98347, 105762, 110508, 112412, 111095, 107326, 100391, 91266, 79954,  
66756, 52300, 36558, 20641, 4462, -11315, -25969, -40075, -52071, -62416, -70817,  
-76824, -80881, -82345, -81731, -78938, -74117, -67919, -59863, -50813, -41043,  
-30560, -20034, -9542, 545, 10033, 18462, 25797, 32215, 36951, 40543, 42705, 43434,  
43082, 41495, 38944, 35386, 31201, 26717, 21571, 16605, 11510, 6429, 1942, -2307,  
-5996, -9203, -11723, -13642, -14966, -15584, -15820, -15553, -14716, -13660,  
-12246, -10735, -8960, -7243, -5450, -3752, -2326, -859, 401, 1397, 2240, 2825,  
3289, 3547, 3645, 3564, 3335, 3148, 2808, 2457, 2081, 1689, 1280, 936, 642, 345, 109,  
-67, -225, -288, -354, -409, -439, -413, -356, -331, -275, -229, -187, -140,  
-104, -80, -56, -24, -13, -10, 8, 5, 0, -2, 0, 3, -1, 1, -3, -2, 2, -3, -3

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11, 11, 12, 13, 14, 14, 15, 18, 18, 20, 20, 21, 23, 25

**A038435 SFF T8**  $O(IT) = 249, O(PL) = 14$

1, 4, 11, 23, 36, 59, 79, 114, 147, 183, 229, 285, 310, 356, 383, 402, 407, 356, 257, 151, 74,  
-109, -388, -647, -958, -1288, -1596, -2065, -2487, -2790, -2992, -3322, -3482,  
-3534, -3537, -3173, -2716, -2239, -1408, -338, 906, 2213, 3797, 5354, 6955, 8985,  
10530, 12023, 13468, 14545, 15299, 15673, 15524, 14624, 13483, 11892, 9078, 6112, 2405,  
-1801, -6186, -11067, -16187, -21522, -26032, -30640, -35082, -38284, -41241,  
-42808, -42949, -42428, -40479, -37195, -32013, -26146, -18826, -10313, -1494,  
8916, 19436, 29758, 40057, 49898, 59184, 66872, 73700, 78330, 80907, 82353, 80637,  
77002, 71040, 62743, 52803, 40620, 27363, 12185, -3438, -19113, -35518, -50882,  
-65618, -78921, -90247, -99685, -106421, -111038, -112118, -110501, -106305,  
-98684, -89006, -76322, -61924, -45736, -28222, -10288, 8672, 26857, 44139, 60777,  
75156, 88079, 98176, 105741, 110452, 112132, 111474, 107147, 100426, 91375, 79929,  
66970, 52332, 36816, 20607, 4576, -10836, -26305, -39718, -51975, -62489, -70535,  
-76897, -80784, -82504, -81616, -78841, -74517, -67706, -60094, -51025, -40805,  
-30804, -20250, -9679, 633, 9874, 18328, 25930, 31793, 37164, 40713, 42494, 43435,  
43074, 41655, 38953, 35529, 31264, 26461, 22021, 16664, 11380, 6600, 1872, -2180,  
-5930, -9104, -11889, -13682, -14766, -15708, -15840, -15523, -14880, -13611,  
-12259, -10719, -9156, -7202, -5451, -3862, -2203, -937, 307, 1458, 2256, 2826,  
3248, 3581, 3644, 3594, 3425, 3059, 2836, 2496, 2102, 1664, 1301, 965, 640, 366, 97,  
-102, -196, -299, -356, -420, -429, -407, -377, -328, -296, -234, -185, -133,  
-104, -85, -47, -31, -21, -5, 2, 15, 5, -1, -2, 2, 5, -4, -4, 0, 1, 2, -3, -3, -1

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11, 11, 12, 13, 14, 14, 15, 18, 18, 20, 20, 21, 23, 25

**A038436 SFF T5**  $O(IT) = 225, O(PL) = 13$

1, 4, 11, 23, 37, 57, 82, 113, 150, 184, 228, 276, 326, 371, 387, 392, 384, 378, 343, 233, 103,  
-48, -214, -432, -727, -1055, -1387, -1663, -1988, -2380, -2725, -2988, -3140,  
-3255, -3315, -3276, -3039, -2545, -2009, -1363, -507, 562, 1812, 3110, 4463, 5850,  
7366, 8897, 10170, 11281, 12226, 12974, 13440, 13425, 12935, 12036, 10831, 9105, 6769,  
4003, 864, -2478, -6062, -9991, -14064, -17978, -21572, -24948, -27988, -30504,  
-32348, -33220, -33272, -32646, -31069, -28357, -24617, -20059, -14758, -8789,  
-2180, 5039, 12410, 19619, 26774, 33691, 40047, 45550, 49995, 53326, 55519, 56445,  
55764, 53529, 49976, 45081, 38937, 31516, 23036, 13885, 4276, -5587, -15660, -25458,  
-34645, -43051, -50395, -56714, -61632, -64892, -66512, -66507, -64996, -61735,  
-56908, -50691, -43231, -34953, -25793, -15998, -5923, 4000, 13530, 22751, 31201,  
38702, 44976, 49805, 53426, 55654, 56449, 55616, 53386, 50123, 45661, 40283, 33945,  
26978, 19854, 12573, 5331, -1894, -8601, -14579, -19925, -24424, -28243, -30994,  
-32606, -33317, -33172, -32341, -30578, -28113, -25056, -21626, -18118, -14199,  
-10142, -6202, -2536, 781, 3893, 6624, 9028, 10810, 11989, 12917, 13387, 13445, 13029,  
12247, 11274, 10153, 8950, 7462, 5916, 4493, 3122, 1850, 611, -473, -1347, -1998,  
-2512, -2990, -3256, -3349, -3289, -3131, -2967, -2722, -2390, -2005, -1676,  
-1388, -1065, -752, -445, -202, -44, 94, 228, 329, 370, 389, 392, 385, 374, 333, 274,  
221, 186, 153, 114, 83, 58, 39, 24, 11, 3, -1, 0, 2, 1

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11, 11, 12, 13, 14, 15, 18, 18, 20, 20, 21, 23, 25

**A038437 SFF T1**  $O(IT) = 225, O(PL) = 13$

1, 4, 12, 20, 34, 56, 87, 115, 143, 175, 220, 273, 305, 318, 318, 320, 308, 227, 125, 7, -151,  
-284, -521, -792, -1050, -1295, -1539, -1817, -2040, -2232, -2359, -2357, -2381,  
-2298, -2065, -1678, -1167, -589, 133, 883, 1908, 2959, 3930, 5008, 6022, 7071, 7969,  
8623, 9099, 9280, 9442, 9086, 8319, 7352, 5933, 4366, 2363, 36, -2538, -5167, -7733,  
-10629, -13325, -15866, -18157, -19913, -21441, -22429, -22931, -22549, -21510,  
-20050, -17655, -14848, -11199, -6977, -2561, 2305, 7259, 12526, 17556, 22268,  
26666, 30339, 33667, 36068, 37467, 37946, 37406, 36017, 33402, 29959, 25466, 20258,  
14597, 8129, 1431, -5494, -12273, -18794, -25102, -30632, -35574, -39467, -42287,  
-44259, -44952, -44471, -42673, -39902, -36160, -31461, -25994, -19746, -13180,  
-6428, 384, 7164, 13719, 19589, 24862, 29332, 32986, 35807, 37427, 38022, 37616, 36355,  
34151, 31059, 27260, 22910, 18245, 13303, 8118, 2938, -1920, -6480, -10680, -14308,  
-17479, -19897, -21479, -22498, -22937, -22726, -21756, -20315, -18419, -16200,  
-13821, -11078, -8194, -5422, -2856, -323, 2052, 4127, 5946, 7248, 8245, 9050, 9458,  
9519, 9210, 8743, 8085, 7253, 6304, 5143, 4076, 3049, 2040, 1072, 197, -568, -1192,  
-1634, -2028, -2323, -2422, -2459, -2386, -2259, -2079, -1879, -1627, -1314,  
-1075, -808, -556, -333, -139, 13, 137, 224, 303, 341, 334, 335, 314, 289, 235, 186,  
147, 112, 91, 55, 36, 18, 7, 2, -12, -2, 0, -3, -1, -4, 2, 3, 0, -1, -2, 3, 3

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9, 11, 11, 12, 13, 14, 15, 18, 20, 20, 21, 23, 25

**A038438 SFF T2**  $O(IT) = 247, O(PL) = 14$

1, 4, 12, 20, 34, 56, 88, 115, 142, 177, 225, 281, 331, 349, 386, 397, 399, 354, 265, 179, 60,  
-129, -368, -627, -926, -1302, -1661, -2048, -2432, -2708, -3073, -3338, -3495,  
-3512, -3481, -3240, -2768, -2218, -1402, -288, 793, 2206, 3736, 5307, 7041, 8867,  
10561, 11978, 13458, 14551, 15246, 15689, 15468, 14699, 13592, 11798, 9238, 6043, 2571,  
-1739, -6232, -10929, -16206, -21183, -26007, -30741, -34924, -38371, -40997,  
-42801, -43113, -42342, -40582, -36956, -32256, -26336, -18918, -10519, -1349,  
8627, 19282, 29556, 39874, 49945, 58778, 66849, 73515, 78188, 81135, 82037, 80784,  
76867, 71054, 63065, 52647, 40993, 27372, 12445, -3049, -19100, -35180, -50751,  
-65290, -78570, -90176, -99300, -106460, -110678, -112040, -110566, -106110,  
-98884, -88763, -76584, -62076, -45799, -28638, -10255, 8242, 26420, 44101, 60264,  
75113, 87548, 97863, 105568, 110133, 112189, 111035, 107047, 100442, 91331, 80080,  
66841, 52516, 36987, 20842, 4985, -10910, -25755, -39540, -51658, -62007, -70481,  
-76381, -80647, -82222, -81358, -78920, -74147, -67776, -60007, -50936, -41117,  
-30708, -20488, -9767, 338, 9538, 18263, 25586, 31782, 36729, 40340, 42404, 43203,  
43095, 41325, 38795, 35578, 31178, 26697, 21772, 16686, 11566, 6680, 2189, -2221,  
-5759, -8953, -11717, -13454, -14759, -15539, -15715, -15425, -14728, -13668,  
-12155, -10783, -9101, -7208, -5537, -3841, -2325, -950, 232, 1328, 2202, 2745,  
3257, 3526, 3527, 3566, 3369, 3103, 2788, 2471, 2096, 1705, 1354, 947, 626, 380, 137,  
-46, -180, -279, -349, -400, -410, -416, -361, -328, -285, -229, -182, -143,  
-117, -91, -57, -33, -18, -9, 2, 4, -2, -1, 0, 2, 0, -1, 0, 1, 1, -2, -2

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11, 11, 12, 13, 14, 14, 15, 18, 18, 20, 20, 21, 23, 25

**A038439 STF T4**  $O(IT) = 82, O(PL) = 9$

1, 4, 11, 19, 36, 53, 78, 91, 104, 100, 83, 48, -24, -104, -216, -306, -421, -508, -564,  
-548, -479, -346, -140, 97, 411, 674, 956, 1153, 1301, 1313, 1194, 988, 633, 253, -229,  
-667, -1082, -1429, -1638, -1728, -1632, -1446, -1117, -689, -243, 229, 612, 974,  
1199, 1318, 1303, 1171, 982, 694, 418, 106, -123, -348, -482, -553, -569, -516, -441,  
-316, -215, -102, -29, 47, 93, 102, 102, 96, 82, 54, 36, 19, 9, 4, -1, -2, 1, 1

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5, 6, 6, 8, 9, 10, 10, 11, 13

**A038440 STF T5**  $O(IT) = 82, O(PL) = 9$

1, 4, 11, 20, 31, 57, 78, 98, 94, 98, 92, 47, -22, -119, -200, -310, -418, -524, -556,  
-540, -486, -350, -139, 116, 379, 698, 949, 1165, 1284, 1312, 1220, 967, 640, 231,  
-195, -677, -1099, -1419, -1647, -1709, -1646, -1441, -1118, -703, -220, 213,  
626, 962, 1204, 1317, 1303, 1180, 961, 718, 407, 114, -143, -329, -489, -555, -560,  
-526, -435, -330, -198, -110, -25, 40, 99, 107, 91, 98, 86, 59, 28, 19, 12, 3, -1, -2,  
1, 1

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5, 6, 6, 8, 9, 10, 10, 11, 13

**A038441 STF T2**  $O(IT) = 68, O(PL) = 7$

1, 4, 11, 22, 39, 54, 77, 96, 116, 126, 123, 111, 89, 45, -29, -98, -194, -291, -374,  
-429, -478, -481, -452, -393, -280, -150, 12, 195, 363, 494, 625, 701, 709, 690, 618,  
493, 362, 194, 16, -143, -284, -408, -459, -476, -475, -428, -366, -286, -200,  
-106, -28, 54, 93, 112, 127, 124, 109, 93, 79, 57, 39, 20, 10, 3, -1, 0, 2, 1

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5, 6, 9, 10, 10, 11, 13

**A038442 STF T3**  $O(IT) = 68, O(PL) = 7$

1, 4, 11, 23, 36, 58, 75, 98, 113, 123, 126, 118, 86, 34, -18, -105, -194, -286, -367,  
-442, -470, -488, -455, -376, -290, -149, 17, 189, 352, 514, 621, 691, 720, 679, 613,  
515, 350, 187, 23, -143, -295, -390, -461, -485, -468, -437, -361, -282, -198,  
-114, -17, 42, 92, 119, 127, 124, 106, 93, 78, 61, 36, 21, 10, 3, -1, 0, 2, 1

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5, 6, 9, 10, 10, 11, 13

**A038443 STF T1**  $O(IT) = 67, O(PL) = 7$

1, 4, 12, 20, 34, 55, 83, 98, 111, 118, 128, 121, 86, 41, -14, -97, -203, -291, -367,  
-426, -482, -487, -452, -391, -302, -157, 26, 189, 349, 505, 633, 697, 703, 689, 634,  
519, 354, 188, 28, -146, -295, -402, -449, -481, -485, -438, -364, -287, -211,  
-105, -13, 50, 82, 114, 136, 121, 108, 97, 86, 56, 32, 20, 12, 5, -2, 1, 1

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5, 6, 9, 10, 10, 11, 13

**A047950 AEN T1**  $O(IT) = 64, O(PL) = 7$

1, 4, 11, 23, 35, 40, 36, 24, 2, -27, -53, -73, -88, -93, -86, -61, -20, 17, 44, 55, 49,  
44, 37, 24, 16, 15, 29, 49, 57, 63, 65, 53, 27, -11, -39, -49, -53, -55, -65, -72, -61,  
-45, -25, -5, 8, 25, 36, 31, 22, 15, 14, 15, 11, 7, 2, -4, -7, -10, -9, -3, 1, 3, 3, 1

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3, 4, 4, 5, 7, 10, 17

**A047951 AEN T2**  $O(IT) = 75, O(PL) = 7$

1, 4, 11, 21, 34, 48, 53, 47, 31, 13, -8, -31, -50, -61, -71, -81, -83, -74, -66, -66,  
-67, -67, -58, -45, -21, 11, 37, 58, 88, 116, 136, 151, 161, 156, 125, 85, 52, 23, -12,  
-43, -57, -61, -65, -69, -70, -75, -85, -89, -79, -67, -56, -36, -13, 4, 16, 32,  
44, 46, 38, 31, 28, 26, 19, 14, 6, -7, -13, -13, -10, -6, -2, 2, 5, 3, 1

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3, 4, 5, 7, 10, 16, 17

**A047952 AEN T3**  $O(IT) = 73, O(PL) = 7$

1, 4, 11, 21, 32, 43, 42, 25, 4, -18, -36, -42, -43, -41, -46, -59, -68, -68, -46, -24,  
-8, 1, -16, -20, 5, 34, 71, 101, 109, 109, 93, 79, 69, 44, 17, -16, -38, -41, -35, -14,  
-6, -27, -53, -77, -86, -78, -68, -43, -14, 14, 41, 48, 42, 26, 10, 6, 2, 1, 9, 14, 16,  
12, 1, -6, -10, -8, -4, -3, 0, 1, 1, 2, 1

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3, 4, 4, 5, 10, 14, 17

**A047953 DON T1**  $O(IT) = 77, O(PL) = 5$

1, 4, 10, 20, 34, 54, 77, 107, 140, 174, 214, 257, 296, 327, 346, 361, 368, 357, 327, 278,  
216, 155, 89, 11, -80, -164, -226, -279, -337, -392, -433, -451, -453, -455, -473,  
-491, -486, -462, -448, -453, -452, -430, -382, -328, -282, -235, -169, -80, 12,  
84, 144, 206, 276, 336, 364, 364, 358, 350, 335, 305, 260, 212, 172, 141, 111, 75, 47, 31,  
20, 11, 4, -2, -3, -1, 2, 3, 1

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9, 12, 12, 13, 25

**A047954 DON T2**  $O(IT) = 71, O(PL) = 5$

1, 4, 10, 20, 35, 54, 76, 102, 128, 156, 182, 202, 216, 223, 221, 210, 186, 151, 106, 55,  
2, -50, -103, -148, -183, -212, -226, -234, -242, -244, -241, -233, -230, -232,  
-234, -237, -235, -232, -229, -224, -212, -184, -147, -104, -58, -9, 50, 107, 151,  
182, 207, 222, 226, 224, 209, 182, 156, 131, 107, 77, 50, 33, 18, 8, 3, -2, -3, -1, 2, 3, 1

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6, 9, 12, 13, 25

**A047955 DON T3**  $O(IT) = 72, O(PL) = 5$

1, 4, 12, 24, 38, 55, 76, 105, 143, 183, 219, 253, 287, 324, 354, 366, 356, 335, 310, 280,  
228, 152, 68, -8, -75, -140, -220, -297, -351, -378, -398, -428, -464, -482, -474,  
-458, -458, -474, -482, -464, -428, -398, -378, -351, -297, -220, -140, -75, -8,  
68, 152, 228, 280, 310, 335, 356, 366, 354, 324, 287, 253, 219, 183, 143, 105, 76, 55, 38,  
24, 12, 4, 1

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9, 12, 12, 13, 25

**A047956 DON T4**  $O(IT) = 95, O(PL) = 6$

1, 4, 12, 22, 33, 53, 80, 109, 143, 179, 216, 262, 305, 341, 366, 381, 390, 389, 358, 309,  
248, 174, 98, -2, -120, -236, -345, -454, -553, -659, -747, -808, -856, -888,  
-912, -918, -891, -838, -781, -705, -617, -519, -398, -264, -129, 4, 138, 266, 390,  
509, 615, 709, 785, 844, 892, 910, 903, 886, 853, 811, 756, 664, 553, 449, 341, 235, 126,  
10, -93, -179, -252, -312, -364, -388, -387, -380, -366, -341, -311, -266, -216,  
-175, -139, -108, -78, -54, -35, -22, -11, -4, 1, 1, -1, -1, -1

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10, 12, 12, 13, 18, 25

**A047957 DON T5**  $O(IT) = 86, O(PL) = 6$

1, 4, 12, 22, 33, 40, 51, 70, 91, 109, 115, 115, 115, 123, 124, 115, 83, 45, 14, -7, -28, -63,  
-109, -150, -176, -197, -217, -237, -255, -255, -247, -244, -246, -248, -226,  
-185, -140, -116, -101, -79, -36, 26, 79, 111, 130, 145, 181, 217, 240, 240, 242, 250,  
259, 259, 235, 212, 191, 176, 158, 120, 71, 27, -1, -22, -47, -79, -109, -122, -125,  
-121, -119, -118, -110, -90, -66, -46, -39, -34, -26, -13, -3, 2, 2, -1, -1, -1

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3, 10, 12, 13, 18, 25

**A047958 ISV T1**  $O(IT) = 138, O(PL) = 6$

1, 4, 12, 17, 30, 47, 68, 87, 110, 126, 139, 157, 166, 163, 163, 159, 132, 117, 102, 49,  
20, -15, -73, -106, -110, -162, -173, -155, -175, -155, -143, -142, -148, -101,  
-119, -107, -81, -121, -139, -140, -201, -233, -267, -297, -311, -309, -315,  
-308, -272, -268, -181, -143, -92, 32, 88, 134, 263, 271, 271, 330, 344, 289, 329, 310,  
219, 251, 213, 127, 132, 117, 57, 105, 117, 108, 127, 156, 134, 173, 178, 163, 162, 135,  
130, 100, 48, 5, -22, -106, -106, -112, -171, -188, -158, -190, -173, -131, -145,  
-144, -87, -76, -64, -20, -32, -19, 0, 8, -2, 5, -10, -11, 2, 1, -6, -4, -2, 0, 6, 4,  
4, 1, 4, 12, 8, 1, 2, 9, -1, 1, 5, -3, -4, 0, 1, -6, -3, -1, -1, -1

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5, 8, 13, 14, 31, 34

**A047959 ISV T2**  $O(IT) = 116, O(PL) = 6$

1, 4, 9, 18, 31, 45, 58, 69, 79, 86, 83, 76, 79, 83, 80, 76, 67, 47, 14, -30, -74, -100,  
-121, -145, -144, -147, -171, -175, -167, -177, -181, -148, -111, -80, -46, -35,  
-28, -16, -24, -25, -3, 9, 21, 41, 24, -10, -19, -24, -13, 29, 70, 101, 122, 134, 140,  
136, 139, 164, 187, 182, 181, 181, 142, 101, 77, 41, 8, -18, -51, -63, -72, -97, -91,  
-84, -106, -98, -72, -70, -62, -44, -39, -27, -10, -12, -12, -3, 0, 7, 10, -6, -13,  
-5, -6, -4, 0, -7, -3, 9, 9, 6, 3, 1, 5, 5, -1, -1, 3, 4, 6, 5, -2, -6, -4, -2, -2, -1

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4, 5, 13, 14, 17, 31



**A047960 ISV T3**  $O(IT) = 118, O(PL) = 6$

1, 4, 9, 18, 31, 45, 59, 70, 78, 86, 85, 76, 80, 87, 77, 68, 59, 33, 4, -20, -50, -80, -111,  
-153, -168, -164, -175, -168, -146, -149, -148, -121, -121, -125, -105, -85,  
-41, 10, 20, 13, 12, -6, -19, -15, -18, -6, 28, 47, 51, 56, 50, 55, 84, 117, 155, 169,  
167, 179, 168, 143, 150, 152, 125, 116, 100, 60, 29, -14, -62, -73, -73, -90, -81, -69,  
-88, -86, -69, -80, -87, -68, -55, -38, -16, -11, -6, 4, 8, 3, -7, -10, -6, 0, 5, 4,  
4, 9, 14, 13, 5, -5, -9, -4, 4, 4, 1, 4, 3, 0, 0, -2, -5, -3, 1, 1, 0, 0, -1, -1

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4, 5, 13, 14, 17, 31

**A047961 ISV T4**  $O(IT) = 142, O(PL) = 6$

1, 4, 11, 20, 28, 42, 74, 109, 128, 139, 174, 226, 256, 250, 243, 266, 289, 266, 218, 197,  
170, 127, 80, 12, -53, -110, -154, -144, -199, -289, -288, -259, -243, -275, -318,  
-270, -210, -234, -284, -305, -315, -348, -381, -424, -441, -472, -536, -536,  
-500, -504, -508, -445, -349, -263, -164, -67, 50, 150, 175, 317, 468, 460, 472, 507,  
550, 588, 482, 403, 433, 406, 353, 329, 310, 296, 266, 228, 252, 303, 280, 251, 286, 306,  
288, 242, 185, 141, 112, 64, 10, -46, -138, -187, -166, -216, -293, -304, -285, -233,  
-241, -283, -234, -165, -147, -143, -134, -87, -32, -25, -41, -29, -5, 0, -1,  
-15, -18, 0, 7, -2, -4, 4, 11, 12, 6, 2, 10, 13, 8, 7, 3, 2, 4, 3, -1, -4, -3, -1, -1, -3,  
-4, -2, -2, -2

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7, 10, 13, 16, 31, 34

**A047962 ISV T5**  $O(IT) = 123, O(PL) = 6$

1, 4, 11, 20, 28, 40, 66, 94, 110, 122, 136, 150, 169, 186, 173, 146, 132, 112, 95, 67, 0, -71,  
-101, -158, -235, -261, -308, -340, -310, -296, -319, -301, -289, -287, -217,  
-174, -163, -100, -44, -44, -13, -5, -34, -13, -3, -12, 11, 35, 13, 29, 59, 66, 118,  
147, 200, 256, 277, 311, 338, 323, 293, 334, 313, 286, 270, 197, 149, 110, 36, -52, -75,  
-118, -134, -114, -165, -191, -165, -164, -171, -125, -119, -130, -70, -37, -39,  
-38, -29, -20, 0, 5, -6, 0, -15, -15, 3, 10, -6, -7, 7, 8, 10, 5, 3, 1, 4, 9, 10, 4, -1, 6,  
4, -3, -2, -2, -4, -3, 2, 0, -2, -1, -1, -1, -1

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5, 8, 13, 14, 17, 31

**A047963 MSO T1**  $O(IT) = 31, O(PL) = 4$

1, 4, 10, 21, 36, 50, 61, 70, 78, 83, 81, 74, 62, 44, 23, 0, -23, -44, -62, -74, -81, -83,  
-78, -70, -61, -50, -36, -21, -10, -4, -1

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4, 5, 9, 12

**A047964 MSO T2**  $O(IT) = 31, O(PL) = 4$

1, 4, 10, 20, 33, 48, 63, 76, 84, 83, 76, 68, 60, 48, 27, 0, -27, -48, -60, -68, -76, -83,  
-84, -76, -63, -48, -33, -20, -10, -4, -1

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4, 5, 9, 12

**A047965 MSO T3**  $O(IT) = 25, O(PL) = 4$

1, 4, 12, 21, 30, 42, 52, 56, 48, 35, 17, -4, -17, -33, -46, -52, -54, -44, -34, -21,  
-8, -4, 1, 0, -2

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4, 4, 5, 9

**A057304 MTF T1**  $O(IT) = 108, O(PL) = 10$

1, 4, 11, 24, 45, 77, 109, 135, 165, 196, 212, 204, 158, 77, -37, -192, -359, -542, -769,  
-985, -1143, -1234, -1222, -1140, -973, -662, -239, 305, 950, 1576, 2166, 2703,  
3149, 3475, 3534, 3289, 2824, 2147, 1281, 248, -939, -2162, -3314, -4287, -4987,  
-5444, -5647, -5476, -4894, -3948, -2748, -1422, -20, 1413, 2785, 3993, 4905, 5439,  
5607, 5445, 5021, 4313, 3292, 2114, 917, -235, -1252, -2140, -2857, -3316, -3524,  
-3445, -3123, -2706, -2188, -1578, -929, -282, 247, 648, 959, 1144, 1233, 1240,  
1132, 964, 763, 548, 363, 190, 26, -84, -152, -197, -209, -197, -168, -133, -103,  
-74, -46, -26, -12, -3, 1, 0, -2, -1

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7, 7, 8, 9, 9, 10, 12, 13, 14, 15

**A057305 MTF T2**  $O(IT) = 114, O(PL) = 10$

1, 4, 12, 24, 42, 70, 95, 134, 175, 197, 208, 210, 156, 94, -5, -168, -332, -551, -777,  
-945, -1125, -1229, -1256, -1235, -1021, -702, -276, 281, 841, 1480, 2153, 2739,  
3215, 3500, 3539, 3374, 2992, 2333, 1422, 342, -896, -2097, -3204, -4279, -5070,  
-5616, -5841, -5564, -5013, -4157, -2951, -1660, -132, 1430, 2792, 4020, 4937,  
5507, 5838, 5710, 5229, 4451, 3393, 2256, 1062, -165, -1287, -2246, -2979, -3411,  
-3586, -3570, -3325, -2859, -2297, -1593, -921, -331, 237, 687, 1023, 1278, 1311,  
1288, 1170, 994, 817, 588, 363, 174, -5, -101, -173, -227, -227, -226, -188, -144,  
-100, -68, -38, -21, -5, 2, 7, 0, 1, 1, 0, -1, -1, -1, 0, -1

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7, 7, 8, 9, 9, 10, 12, 13, 14, 15

**A057306 MTF T3**  $O(IT) = 97, O(PL) = 9$

1, 4, 12, 27, 47, 69, 99, 140, 175, 197, 207, 199, 174, 111, 11, -105, -269, -433, -582,  
-762, -920, -1036, -1084, -1038, -943, -765, -504, -134, 339, 799, 1259, 1698,  
2074, 2383, 2554, 2562, 2359, 2025, 1617, 1018, 332, -435, -1217, -1860, -2470, -2953,  
-3258, -3407, -3253, -2946, -2492, -1882, -1224, -436, 336, 1004, 1592, 2019, 2369,  
2573, 2547, 2369, 2068, 1716, 1282, 807, 334, -141, -494, -746, -940, -1044, -1098,  
-1038, -908, -759, -584, -442, -276, -102, 12, 112, 169, 192, 211, 200, 178, 141, 96,  
69, 48, 27, 13, 2, 0, 1, 1

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7, 7, 8, 9, 9, 12, 13, 14, 15

**A057307 MTF T4**  $O(IT) = 115, O(PL) = 10$

1, 4, 12, 26, 45, 64, 96, 132, 177, 200, 217, 195, 157, 91, -10, -152, -344, -564, -771,  
-960, -1102, -1208, -1286, -1211, -1042, -695, -230, 266, 839, 1488, 2120, 2765,  
3228, 3477, 3521, 3355, 2970, 2358, 1437, 310, -902, -2102, -3210, -4207, -5081,  
-5641, -5803, -5594, -4968, -4107, -3020, -1655, -136, 1390, 2856, 3986, 4884,  
5510, 5813, 5733, 5270, 4412, 3393, 2264, 1089, -116, -1275, -2273, -2983, -3394,  
-3578, -3545, -3339, -2919, -2293, -1598, -931, -306, 180, 659, 1049, 1269, 1353,  
1286, 1144, 1014, 823, 618, 377, 156, 0, -106, -168, -211, -246, -230, -198, -147,  
-95, -71, -42, -24, -4, 6, 5, 2, 3, 1, 2, -1, -2, 0, -1, 0, -1

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7, 7, 8, 9, 9, 10, 12, 13, 14, 15

**A057308 MTF T5**  $O(IT) = 113, O(PL) = 10$

1, 4, 12, 24, 42, 64, 93, 131, 170, 204, 221, 202, 157, 103, -1, -140, -325, -561, -779,  
-948, -1110, -1217, -1282, -1261, -1061, -722, -276, 269, 823, 1435, 2140, 2756,  
3254, 3541, 3544, 3384, 3039, 2382, 1514, 360, -910, -2085, -3221, -4251, -5067,  
-5697, -5898, -5635, -5041, -4152, -3023, -1711, -178, 1426, 2853, 4046, 4938,  
5528, 5848, 5807, 5286, 4478, 3408, 2238, 1085, -115, -1302, -2277, -3038, -3442,  
-3577, -3568, -3342, -2913, -2325, -1584, -889, -312, 219, 667, 1031, 1292, 1372,  
1281, 1148, 983, 810, 620, 381, 144, -8, -122, -165, -201, -239, -231, -195, -147,  
-90, -61, -40, -22, -11, 6, 7, 2, -1, -1, 0, 0, -1, -1, -1

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7, 7, 8, 9, 9, 10, 12, 13, 14, 15

**A057309 MTF T6**  $O(IT) = 103, O(PL) = 10$

1, 4, 12, 21, 43, 70, 94, 115, 120, 126, 127, 85, 45, -46, -165, -245, -398, -503, -594,  
-752, -733, -705, -645, -432, -291, 36, 419, 720, 1194, 1476, 1741, 2013, 1986, 2019,  
1765, 1290, 920, 221, -395, -1044, -1859, -2318, -2874, -3205, -3165, -3227, -2812,  
-2312, -1765, -769, -66, 783, 1693, 2196, 2860, 3159, 3201, 3289, 2810, 2416, 1891,  
1056, 541, -241, -890, -1232, -1823, -1953, -1988, -2067, -1721, -1562, -1226,  
-706, -473, -34, 275, 402, 677, 703, 741, 772, 588, 507, 416, 255, 171, 48, -47, -85,  
-125, -134, -124, -115, -100, -70, -41, -21, -10, -4, 1, 0, -2

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4, 7, 7, 9, 9, 10, 12, 13, 14, 15

**A057311 ASV T2**  $O(IT) = 15, O(PL) = 3$

1, 4, 12, 17, 21, 35, 50, 45, 27, 17, 8, 2, -1, 0, 2  
3, 4, 5

**A057312 SAS T1**  $O(IT) = 17, O(PL) = 3$

1, 4, 10, 19, 30, 43, 56, 66, 70, 66, 56, 43, 30, 19, 10, 4, 1  
5, 5, 6

**A057313 SAS T2**  $O(IT) = 17, O(PL) = 3$

1, 4, 9, 17, 30, 46, 59, 65, 66, 65, 59, 46, 30, 17, 9, 4, 1  
5, 5, 6

**A057314 SAV T1**  $O(IT) = 20, O(PL) = 3$

1, 4, 9, 17, 28, 41, 55, 66, 71, 72, 69, 58, 42, 29, 19, 10, 4, 0, -2, -1  
4, 6, 7

**A057315 SAV T2**  $O(IT) = 19, O(PL) = 3$

1, 3, 5, 7, 9, 11, 12, 11, 10, 10, 10, 11, 12, 11, 9, 7, 5, 3, 1  
1, 3, 14

**A057316 SAV T3**  $O(IT) = 27, O(PL) = 3$

1, 3, 5, 8, 12, 16, 18, 21, 28, 32, 33, 37, 41, 41, 40, 40, 37, 33, 33, 29, 21, 18, 17, 13, 8, 5,  
2

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1, 12, 14

**A057317 SFE T1**  $O(IT) = 83, O(PL) = 9$

1, 4, 12, 20, 37, 60, 74, 89, 98, 104, 87, 55, -10, -58, -141, -257, -385, -457, -533,  
-560, -549, -478, -331, -100, 126, 371, 680, 994, 1206, 1316, 1375, 1296, 1104, 793,  
386, -78, -496, -949, -1377, -1663, -1773, -1805, -1685, -1399, -1023, -553, -83,  
346, 741, 1096, 1297, 1366, 1334, 1244, 1021, 727, 417, 133, -100, -308, -479, -566,  
-563, -536, -482, -400, -272, -162, -57, 0, 49, 91, 115, 96, 92, 78, 63, 42, 22, 9, 4,  
-1, -2

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5, 5, 7, 9, 9, 11, 11, 12, 12

**A057318 SFE T2**  $O(IT) = 90, O(PL) = 10$

1, 4, 10, 19, 35, 56, 77, 83, 92, 82, 56, 6, -66, -152, -236, -360, -462, -511, -543,  
-521, -431, -247, 24, 327, 627, 951, 1245, 1490, 1541, 1473, 1303, 984, 472, -149,  
-789, -1362, -1876, -2304, -2550, -2529, -2229, -1817, -1237, -515, 313, 1081,  
1711, 2167, 2499, 2582, 2410, 2006, 1500, 935, 293, -342, -894, -1263, -1491, -1599,  
-1558, -1331, -1047, -715, -403, -76, 219, 421, 525, 567, 563, 516, 396, 260, 170, 82,  
2, -62, -94, -100, -87, -89, -74, -43, -17, -8, -4, 1, 4, 2

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5, 5, 6, 7, 9, 9, 11, 11, 12, 12

**A057319 SFE T3**  $O(IT) = 90, O(PL) = 10$

1, 4, 10, 20, 35, 55, 74, 91, 87, 79, 54, 10, -60, -152, -259, -346, -442, -531, -547,  
-518, -421, -234, 18, 303, 641, 963, 1261, 1441, 1544, 1502, 1302, 951, 471, -149,  
-771, -1361, -1897, -2295, -2530, -2508, -2259, -1803, -1231, -497, 295, 1075,  
1697, 2197, 2478, 2562, 2401, 2027, 1499, 917, 293, -341, -861, -1262, -1520, -1602,  
-1509, -1347, -1059, -729, -379, -70, 206, 411, 522, 571, 583, 496, 382, 283, 170, 76,  
-2, -60, -91, -95, -95, -86, -73, -43, -18, -8, -4, 1, 4, 2

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5, 5, 6, 7, 9, 9, 11, 11, 12, 12

**A057320 SFE T4**  $O(IT) = 91, O(PL) = 10$

1, 4, 12, 22, 36, 54, 77, 85, 90, 71, 55, -1, -65, -154, -250, -360, -445, -529, -551,  
-508, -385, -196, 17, 321, 659, 968, 1239, 1459, 1516, 1475, 1270, 923, 380, -163,  
-768, -1400, -1945, -2262, -2481, -2453, -2184, -1753, -1188, -445, 351, 1039,  
1714, 2242, 2471, 2473, 2365, 1953, 1407, 850, 284, -357, -844, -1232, -1519, -1615,  
-1485, -1305, -1021, -661, -318, -57, 186, 389, 502, 570, 576, 490, 366, 269, 150, 53,  
-12, -50, -80, -87, -94, -83, -65, -39, -20, -5, -2, 5, 2, 0, -4

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5, 5, 6, 7, 9, 9, 11, 11, 12, 12

**A057321 SFE T5**  $O(IT) = 86, O(PL) = 9$

1, 4, 12, 22, 37, 53, 75, 95, 101, 89, 88, 63, 12, -70, -160, -259, -354, -459, -542,  
-583, -534, -448, -346, -160, 123, 417, 693, 971, 1188, 1334, 1378, 1312, 1081, 800,  
436, -25, -561, -975, -1355, -1655, -1817, -1783, -1681, -1417, -1037, -591,  
-127, 388, 796, 1069, 1288, 1418, 1360, 1196, 1025, 763, 447, 143, -124, -366, -472,  
-540, -585, -578, -465, -374, -285, -184, -56, 12, 75, 102, 101, 93, 101, 79, 57, 39,  
28, 8, -2, -3, -2, -2, 2, 2

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5, 5, 7, 9, 9, 11, 11, 12, 12

**A057322 SFE T6**  $O(IT) = 87, O(PL) = 9$

1, 4, 12, 24, 37, 53, 75, 100, 118, 109, 96, 85, 34, -47, -138, -258, -368, -483, -589,  
-647, -643, -569, -449, -282, 4, 339, 662, 979, 1256, 1479, 1592, 1557, 1374, 1090, 709,  
223, -365, -898, -1349, -1729, -2029, -2124, -2029, -1785, -1417, -954, -433, 141,  
675, 1072, 1356, 1559, 1638, 1501, 1296, 1043, 718, 365, 36, -270, -463, -589, -649,  
-671, -619, -497, -390, -282, -146, -41, 38, 97, 110, 117, 116, 108, 79, 55, 39, 26, 8,  
0, -3, -2, -2, 2, 2

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5, 6, 7, 9, 9, 11, 11, 12, 12

**A057323 SFE T7**  $O(IT) = 89, O(PL) = 10$

1, 4, 12, 23, 41, 56, 69, 82, 92, 79, 48, -14, -74, -148, -252, -361, -457, -517, -513,  
-489, -406, -202, 58, 355, 644, 940, 1230, 1447, 1510, 1436, 1215, 897, 411, -197,  
-816, -1387, -1862, -2230, -2442, -2420, -2152, -1733, -1155, -439, 367, 1077,  
1683, 2138, 2406, 2454, 2284, 1908, 1431, 892, 259, -371, -855, -1191, -1452, -1534,  
-1473, -1274, -982, -666, -385, -88, 192, 402, 489, 529, 541, 475, 375, 266, 154, 74,  
20, -48, -85, -94, -86, -77, -60, -43, -23, -12, -4, 1, 2

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5, 5, 6, 7, 9, 9, 11, 11, 12, 12

**A300739 \*BEA T1**  $O(IT) = 256, O(PL) = 12$

1, 4, 10, 19, 32, 50, 73, 95, 114, 135, 156, 180, 204, 218, 227, 251, 263, 255, 230, 194, 149,  
97, 15, -75, -142, -238, -366, -482, -615, -772, -912, -1063, -1194, -1299, -1409,  
-1459, -1454, -1517, -1555, -1440, -1345, -1279, -1047, -803, -547, -213, 94, 465,  
930, 1227, 1617, 2204, 2537, 2799, 3371, 3745, 3826, 4127, 4328, 4352, 4439, 4306, 4163,  
4158, 3693, 3157, 3015, 2386, 1398, 1032, 518, -544, -1214, -1790, -2722, -3406,  
-4233, -5042, -5370, -6050, -6873, -6789, -6996, -7818, -7635, -7264, -7682,  
-7503, -6896, -6666, -6035, -5441, -4968, -3779, -3028, -2699, -1299, -87, 193,  
1389, 2918, 3451, 4311, 5399, 6107, 6969, 7541, 7835, 8863, 9317, 8992, 9542, 9963,  
9262, 9093, 9310, 8621, 8026, 7571, 6738, 6248, 5240, 3806, 3359, 2556, 711, -56, -588,  
-2235, -3250, -3853, -5054, -5923, -6732, -7741, -7818, -8410, -9492, -9169,  
-9023, -9879, -9690, -9047, -9218, -8897, -8110, -7666, -6868, -6190, -5675,  
-4357, -3357, -3102, -1713, -228, 115, 1032, 2457, 3087, 3794, 4789, 5294, 6074,  
6659, 6679, 7387, 7828, 7280, 7506, 7873, 7177, 6817, 6770, 6127, 5588, 5040, 4174,  
3625, 2930, 1773, 1257, 740, -417, -1061, -1354, -2205, -2906, -3212, -3667, -3980,  
-4147, -4428, -4396, -4253, -4436, -4226, -3751, -3737, -3490, -2850, -2547,  
-2256, -1717, -1317, -912, -476, -222, 183, 596, 718, 958, 1315, 1346, 1371, 1554,  
1562, 1465, 1448, 1411, 1330, 1221, 1054, 927, 820, 629, 474, 398, 270, 133, 82, 16, -98,  
-159, -184, -219, -251, -266, -257, -230, -221, -208, -180, -158, -142, -117,  
-94, -79, -57, -33, -17, -10, -5, 2, 3, -2, -2

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5, 13, 14, 16, 17, 20, 21, 24, 24, 26, 32, 40

**A300740 \*BEA T2**  $O(IT) = 240, O(PL) = 11$

1, 4, 10, 19, 32, 50, 71, 92, 114, 138, 157, 174, 203, 226, 237, 244, 257, 261, 239, 207,  
191, 158, 81, 19, -7, -94, -232, -317, -394, -543, -701, -822, -914, -1034, -1202,  
-1258, -1238, -1378, -1515, -1389, -1329, -1414, -1299, -1065, -934, -814, -624,  
-302, 21, 136, 417, 1023, 1297, 1364, 1883, 2417, 2454, 2648, 3113, 3364, 3422, 3451,  
3637, 3881, 3632, 3253, 3514, 3433, 2621, 2397, 2506, 1847, 1137, 891, 497, -122, -918,  
-1508, -1627, -2288, -3323, -3417, -3426, -4510, -5070, -4783, -5124, -5780,  
-5805, -5592, -5534, -5764, -5858, -5117, -4734, -5157, -4550, -3329, -3322,  
-3259, -2034, -1211, -967, -457, 441, 1461, 1844, 2006, 3210, 4266, 3994, 4408, 5678,  
5885, 5570, 6125, 6766, 6764, 6442, 6401, 6850, 6556, 5518, 5535, 5857, 4798, 3855, 4020,  
3544, 2398, 1658, 1295, 821, -179, -1225, -1285, -1612, -3084, -3600, -3322, -4139,  
-5088, -5040, -5067, -5507, -5854, -5866, -5453, -5509, -5962, -5397, -4606,  
-4919, -4804, -3664, -3245, -3239, -2592, -1792, -1298, -923, -493, 407, 1101,  
1038, 1554, 2552, 2578, 2488, 3214, 3583, 3414, 3522, 3713, 3779, 3610, 3277, 3284, 3320,  
2735, 2325, 2439, 2061, 1397, 1220, 1080, 573, 165, -59, -247, -493, -851, -1008,  
-972, -1215, -1482, -1362, -1321, -1502, -1443, -1266, -1223, -1192, -1086,  
-938, -788, -721, -607, -397, -295, -258, -123, 0, 16, 58, 152, 201, 206, 226, 258,  
267, 246, 228, 227, 212, 173, 154, 147, 122, 92, 76, 57, 33, 17, 10, 5, -2, -3, 2, 2

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5, 13, 14, 17, 20, 21, 24, 24, 26, 32, 40

**A300741 \*BEA T3**  $O(IT) = 246, O(PL) = 12$

1, 4, 10, 21, 32, 48, 72, 99, 116, 138, 157, 172, 195, 200, 196, 206, 198, 141, 111, 70, -15,  
-91, -168, -266, -360, -451, -552, -632, -754, -859, -890, -963, -1047, -1049,  
-1018, -1015, -951, -883, -755, -598, -495, -260, 34, 220, 460, 869, 1087, 1315,  
1683, 1914, 2143, 2415, 2523, 2696, 2922, 2774, 2780, 2926, 2585, 2342, 2381, 1983, 1515,  
1379, 870, 364, 89, -593, -1090, -1310, -2032, -2581, -2610, -3252, -3818, -3730,  
-4143, -4617, -4439, -4575, -4774, -4407, -4439, -4413, -3755, -3689, -3570,  
-2694, -2390, -2239, -1250, -757, -535, 413, 892, 1229, 2151, 2524, 2824, 3778, 4025,  
4165, 4996, 5118, 5082, 5669, 5615, 5456, 5788, 5499, 5181, 5346, 4736, 4207, 4250, 3490,  
2785, 2661, 1864, 1095, 872, -19, -816, -1012, -1920, -2649, -2730, -3538, -4233,  
-4131, -4739, -5346, -5086, -5541, -5849, -5401, -5623, -5763, -5037, -5067,  
-5080, -4132, -4003, -3845, -2839, -2527, -2239, -1205, -862, -519, 562, 823,  
1161, 2150, 2454, 2671, 3471, 3715, 3795, 4402, 4418, 4435, 4757, 4581, 4405, 4585, 4210,  
3744, 3773, 3302, 2706, 2496, 2012, 1402, 1099, 543, -52, -288, -884, -1378, -1500,  
-1951, -2390, -2372, -2585, -2876, -2772, -2834, -2864, -2653, -2585, -2442,  
-2077, -1949, -1737, -1278, -1083, -887, -469, -230, -48, 262, 451, 591, 795, 864,  
924, 1047, 1030, 1003, 1052, 984, 875, 851, 768, 632, 550, 457, 355, 274, 173, 82, 23, -51,  
-119, -142, -182, -208, -204, -197, -193, -175, -159, -140, -112, -94, -75, -53,  
-33, -21, -10, -3, 2, 1, -3, -2

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5, 10, 13, 14, 16, 17, 21, 24, 24, 26, 32, 40

**A300742 \*BEA T4**  $O(IT) = 256, O(PL) = 12$

1, 4, 10, 21, 32, 48, 70, 95, 118, 141, 155, 175, 203, 227, 240, 248, 255, 250, 228, 193,  
155, 102, 13, -67, -137, -238, -382, -504, -618, -779, -942, -1065, -1174, -1309,  
-1428, -1471, -1459, -1546, -1556, -1416, -1350, -1285, -1032, -768, -532, -236,  
115, 519, 937, 1215, 1672, 2260, 2530, 2830, 3439, 3730, 3794, 4150, 4392, 4355, 4383,  
4354, 4195, 4084, 3653, 3135, 2991, 2333, 1363, 1098, 470, -674, -1226, -1765, -2845,  
-3489, -4188, -5042, -5435, -6081, -6864, -6788, -7069, -7818, -7555, -7324,  
-7734, -7426, -6830, -6623, -6088, -5357, -4861, -3873, -3002, -2580, -1296,  
-64, 325, 1438, 2944, 3445, 4315, 5514, 6106, 6913, 7656, 7911, 8814, 9312, 8973, 9551,  
9988, 9224, 9201, 9224, 8531, 8067, 7545, 6689, 6198, 5185, 3825, 3349, 2376, 705, -23,  
-706, -2257, -3257, -3939, -5126, -5963, -6723, -7694, -7963, -8397, -9380,  
-9286, -9029, -9915, -9652, -8978, -9252, -8846, -8025, -7772, -6843, -6003,  
-5694, -4375, -3253, -3035, -1707, -259, 137, 1148, 2488, 3067, 3943, 4760, 5251,  
6148, 6669, 6712, 7336, 7837, 7399, 7442, 7790, 7260, 6791, 6714, 6132, 5560, 4989, 4129,  
3617, 2951, 1727, 1185, 756, -423, -1161, -1391, -2228, -2913, -3201, -3683, -3959,  
-4196, -4501, -4330, -4257, -4476, -4180, -3735, -3733, -3461, -2865, -2537,  
-2224, -1716, -1279, -880, -488, -198, 240, 598, 718, 975, 1320, 1356, 1378, 1563,  
1565, 1462, 1466, 1403, 1300, 1201, 1043, 924, 823, 619, 473, 401, 252, 122, 71, -1, -98,  
-152, -190, -224, -244, -260, -249, -233, -226, -205, -171, -154, -143, -119,  
-95, -72, -53, -33, -21, -10, -3, 2, 1, -3, -2

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5, 13, 14, 16, 17, 20, 21, 24, 24, 26, 32, 40

**A300743 \*BEA T5**  $O(IT) = 256, O(PL) = 12$

1, 4, 11, 18, 29, 47, 76, 96, 115, 131, 155, 187, 201, 212, 238, 260, 246, 253, 240, 196,  
143, 108, 28, -77, -144, -240, -349, -485, -644, -778, -882, -1060, -1226, -1281,  
-1400, -1485, -1475, -1512, -1555, -1454, -1365, -1269, -1025, -862, -561, -167,  
115, 413, 922, 1292, 1623, 2151, 2541, 2883, 3365, 3685, 3876, 4202, 4313, 4281, 4491,  
4401, 4106, 4058, 3797, 3254, 2898, 2339, 1525, 1105, 339, -584, -1067, -1843, -2900,  
-3328, -4059, -5128, -5551, -6013, -6720, -6896, -7243, -7626, -7434, -7511,  
-7806, -7224, -6905, -6938, -6042, -5198, -4963, -4053, -2953, -2388, -1393,  
-385, 325, 1656, 2748, 3193, 4573, 5660, 5831, 6820, 7947, 7852, 8516, 9284, 9272, 9586,  
9745, 9292, 9496, 9255, 8207, 8120, 7863, 6527, 6025, 5490, 4123, 3086, 2338, 1015, 48,  
-1002, -2340, -2916, -3812, -5268, -6029, -6393, -7721, -8263, -8384, -9131,  
-9417, -9320, -9611, -9416, -9244, -9458, -8677, -7906, -8089, -7005, -5868,  
-5526, -4626, -3333, -2831, -1700, -608, 68, 1429, 2339, 2823, 4069, 5063, 5092,  
5911, 6804, 6798, 7180, 7700, 7569, 7609, 7686, 7212, 6983, 6783, 5863, 5594, 5243, 4141,  
3397, 3115, 1948, 1120, 646, -366, -1063, -1451, -2301, -2812, -3089, -3764, -4037,  
-4027, -4478, -4546, -4279, -4336, -4224, -3829, -3677, -3427, -2882, -2614,  
-2238, -1704, -1317, -964, -415, -122, 148, 539, 790, 967, 1248, 1351, 1421, 1565,  
1557, 1466, 1493, 1413, 1283, 1201, 1075, 913, 804, 660, 499, 375, 240, 141, 81, -5, -114,  
-145, -176, -216, -251, -253, -261, -246, -227, -196, -178, -161, -135, -112,  
-101, -83, -52, -32, -18, -10, -2, 4, 2, -4, -3

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5, 13, 14, 16, 17, 20, 21, 24, 24, 26, 32, 40

**A300744 \*BEA T6**  $O(IT) = 256, O(PL) = 12$

1, 4, 11, 18, 29, 47, 73, 95, 116, 131, 156, 181, 203, 224, 239, 250, 251, 249, 231, 198,  
160, 110, 23, -65, -133, -242, -370, -480, -631, -785, -900, -1046, -1222, -1288,  
-1415, -1486, -1472, -1523, -1567, -1432, -1366, -1298, -1032, -809, -590, -196,  
123, 426, 917, 1291, 1608, 2187, 2559, 2840, 3385, 3710, 3858, 4176, 4370, 4305, 4473,  
4369, 4140, 4086, 3769, 3195, 2962, 2376, 1507, 1044, 417, -571, -1150, -1853, -2757,  
-3420, -4122, -5095, -5482, -6043, -6820, -6881, -7085, -7728, -7578, -7371,  
-7754, -7378, -6918, -6799, -6034, -5335, -5028, -3846, -2979, -2617, -1315,  
-163, 164, 1575, 2793, 3361, 4449, 5549, 5976, 6973, 7658, 7874, 8684, 9310, 9087, 9605,  
9939, 9364, 9199, 9325, 8444, 8001, 7707, 6719, 6103, 5406, 3991, 3182, 2525, 776, -51,  
-746, -2281, -3157, -3796, -5169, -5918, -6650, -7710, -8040, -8458, -9398,  
-9179, -9265, -9709, -9560, -9131, -9341, -8765, -8211, -7791, -6902, -6100,  
-5539, -4407, -3416, -2970, -1746, -421, 58, 1197, 2481, 3010, 3905, 4941, 5218,  
5986, 6749, 6656, 7355, 7796, 7411, 7567, 7920, 7098, 6926, 6807, 5996, 5534, 5170, 4156,  
3598, 2987, 1902, 1188, 674, -435, -1065, -1452, -2226, -2889, -3115, -3675, -4076,  
-4140, -4426, -4519, -4307, -4338, -4254, -3795, -3690, -3471, -2895, -2571,  
-2290, -1682, -1320, -929, -446, -127, 165, 584, 742, 986, 1257, 1367, 1421, 1567,  
1554, 1512, 1461, 1399, 1307, 1195, 1051, 940, 807, 650, 502, 366, 251, 136, 64, -7, -93,  
-162, -181, -218, -247, -260, -253, -243, -224, -206, -172, -155, -139, -120,  
-96, -82, -51, -32, -18, -10, -2, 4, 2, -4, -3

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5, 13, 14, 16, 17, 20, 21, 24, 24, 26, 32, 40

**A300745 \*BEA T7**  $O(IT) = 236, O(PL) = 12$

1, 4, 12, 17, 27, 38, 54, 66, 65, 61, 62, 66, 60, 63, 66, 48, 26, 9, -9, -58, -103, -142, -159, -205, -256, -263, -276, -328, -375, -364, -363, -368, -357, -331, -248, -217, -152, -62, 45, 33, 175, 321, 416, 462, 609, 711, 755, 778, 814, 934, 972, 856, 913, 950, 818, 642, 699, 517, 334, 221, 168, 45, -150, -373, -463, -503, -905, -981, -941, -1095, -1364, -1224, -1241, -1355, -1416, -1378, -1344, -1310, -1393, -1123, -888, -897, -976, -493, -498, -433, -304, 97, 72, 320, 437, 746, 846, 827, 958, 1332, 1291, 1238, 1602, 1713, 1540, 1576, 1647, 1657, 1567, 1415, 1439, 1505, 1215, 1042, 1219, 840, 541, 342, 405, -6, -32, -377, -264, -590, -811, -1107, -942, -1342, -1518, -1430, -1383, -1651, -1562, -1595, -1569, -1678, -1626, -1626, -1217, -1404, -1272, -986, -845, -925, -612, -429, -433, -141, -59, 269, 369, 512, 556, 937, 844, 912, 1143, 1323, 1241, 1381, 1398, 1437, 1336, 1349, 1178, 1313, 1040, 1051, 959, 931, 515, 531, 352, 156, -11, -122, -259, -333, -500, -649, -651, -801, -938, -894, -906, -975, -920, -829, -788, -751, -691, -630, -464, -446, -325, -218, -49, -52, 93, 143, 212, 236, 325, 328, 375, 372, 374, 371, 345, 272, 268, 253, 211, 164, 143, 97, 72, 28, -9, -33, -49, -63, -65, -58, -69, -61, -63, -61, -65, -54, -47, -30, -21, -10, -3, 3, 1, 0, -1, -1

3, 5, 13, 14, 16, 17, 20, 21, 24, 26, 32, 40

**A300746 \*BEA T8**  $O(IT) = 241, O(PL) = 11$

1, 4, 12, 19, 32, 47, 71, 100, 115, 132, 158, 185, 199, 225, 250, 254, 243, 241, 239, 227, 174, 124, 123, 60, -68, -119, -174, -338, -480, -527, -658, -815, -944, -1067, -1119, -1247, -1424, -1358, -1306, -1519, -1453, -1206, -1243, -1220, -927, -732, -584, -322, -114, 288, 679, 706, 1182, 1840, 1826, 1980, 2738, 2871, 2851, 3315, 3524, 3558, 3722, 3556, 3563, 3803, 3175, 2857, 3275, 2635, 1816, 1948, 1555, 589, 319, -162, -861, -1191, -2006, -2631, -2574, -3424, -4432, -3987, -4444, -5538, -5307, -5215, -5842, -5745, -5660, -5747, -5261, -5425, -5464, -4321, -4147, -4391, -3137, -2251, -2483, -1613, -643, -252, 452, 1078, 1727, 2875, 3181, 3244, 4638, 5131, 4741, 5615, 6408, 6096, 6329, 6686, 6649, 6844, 6355, 5955, 6447, 5779, 4694, 4996, 4724, 3400, 3176, 2767, 1850, 1206, 380, -359, -495, -1499, -2546, -2307, -2972, -4316, -4254, -4375, -5313, -5388, -5396, -5749, -5498, -5758, -5971, -5203, -5197, -5615, -4594, -3947, -4350, -3500, -2657, -2566, -1938, -1306, -999, -79, 322, 456, 1532, 2070, 1820, 2550, 3233, 2928, 3147, 3686, 3554, 3682, 3723, 3480, 3579, 3405, 2788, 2826, 2776, 2028, 1810, 1824, 1236, 782, 657, 234, -61, -290, -659, -742, -839, -1224, -1264, -1178, -1432, -1525, -1349, -1387, -1385, -1238, -1146, -1047, -895, -849, -696, -525, -480, -368, -176, -102, -46, 63, 108, 126, 171, 207, 229, 253, 245, 250, 261, 228, 189, 179, 153, 130, 120, 103, 74, 55, 33, 20, 10, 3, -1, 0, 0, 1, 1

5, 13, 14, 17, 20, 21, 24, 24, 26, 32, 40

**A300747 \*BEA T9**  $O(IT) = 257, O(PL) = 12$

1, 4, 12, 17, 30, 53, 73, 94, 117, 130, 158, 183, 193, 207, 248, 238, 254, 269, 241, 170, 158, 99, 18, -70, -151, -215, -344, -513, -617, -726, -950, -1083, -1151, -1300, -1398, -1452, -1474, -1504, -1527, -1533, -1323, -1183, -1189, -798, -421, -309, 22, 609, 806, 1199, 1736, 2051, 2550, 2992, 3152, 3695, 4165, 3857, 4198, 4721, 4201, 4182, 4520, 3986, 3537, 3563, 2748, 2225, 1889, 771, 244, 24, -1363, -2214, -2140, -3549, -4643, -4489, -5494, -6449, -6295, -6911, -7559, -7074, -7727, -7937, -6997, -7451, -7609, -6092, -5985, -6053, -4364, -3880, -3574, -2016, -1431, -791, 907, 1458, 2119, 4047, 4450, 4803, 6480, 7007, 7113, 8320, 8728, 8803, 9712, 9408, 9306, 9914, 9291, 8541, 9160, 8181, 7026, 7194, 6155, 4839, 4572, 3132, 1923, 1666, -162, -1511, -1303, -3216, -4582, -4442, -5809, -7325, -6996, -8157, -8919, -8540, -9507, -9777, -8910, -9667, -10021, -8446, -8672, -8880, -7230, -6790, -6691, -5174, -4450, -3974, -2280, -1754, -1164, 874, 1223, 1575, 3449, 4312, 4039, 5680, 6198, 6206, 7081, 7333, 7229, 7967, 7555, 7133, 7779, 7086, 6067, 6470, 5813, 4648, 4336, 3808, 2588, 2160, 1232, 376, 4, -992, -1839, -1950, -2638, -3658, -3475, -3760, -4388, -4366, -4256, -4521, -4288, -4158, -4040, -3529, -3325, -3199, -2389, -2128, -1963, -1301, -732, -705, -121, 253, 465, 780, 1044, 1128, 1412, 1462, 1411, 1593, 1564, 1365, 1419, 1396, 1164, 1053, 969, 767, 637, 525, 363, 282, 164, 58, -12, -63, -190, -173, -203, -252, -274, -230, -247, -221, -208, -187, -167, -130, -118, -95, -76, -59, -37, -18, -10, -3, 1, 2, 0, -1, -1

5, 13, 14, 16, 17, 20, 21, 24, 24, 26, 32, 40

**A301000 BEC T1**  $O(IT) = 61, O(PL) = 6$

1, 4, 9, 17, 27, 36, 40, 38, 34, 28, 13, -6, -10, -2, -2, -13, -25, -42, -67, -87, -97, -97, -91, -79, -53, -23, -10, -10, 1, 14, 16, 26, 50, 72, 83, 91, 97, 93, 75, 49, 29, 12, -6, -10, 2, 5, -9, -21, -26, -32, -40, -42, -35, -23, -9, 2, 6, 3, -2, -3, -1

3, 4, 5, 13, 14, 17

**A301001 BEC T2**  $O(IT) = 71, O(PL) = 6$

1, 4, 12, 16, 26, 36, 54, 68, 77, 81, 87, 94, 95, 79, 64, 37, 8, -21, -43, -85, -134, -171, -207, -230, -244, -259, -252, -241, -212, -166, -129, -81, -45, 39, 76, 129, 171, 210, 237, 243, 264, 243, 233, 211, 178, 149, 80, 52, 13, -9, -39, -67, -71, -98, -92, -92, -78, -84, -73, -53, -38, -22, -19, -13, -4, 0, 5, 4, 1, -3, -2

3, 8, 10, 13, 14, 17

**A301002 BEC T3**  $O(IT) = 70, O(PL) = 6$

1, 4, 11, 19, 24, 30, 50, 75, 85, 76, 73, 92, 113, 106, 61, 15, -10, -16, -27, -66, -139,  
-202, -207, -195, -227, -288, -308, -249, -175, -142, -135, -108, -42, 34, 111,  
140, 143, 178, 249, 294, 262, 224, 218, 234, 212, 134, 65, 20, 15, 7, -24, -71, -105, -88,  
-70, -77, -105, -107, -76, -35, -14, -24, -31, -22, -1, 12, 8, -2, -5, -2

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3, 8, 10, 13, 14, 17

**A301003 CDO T1**  $O(IT) = 88, O(PL) = 7$

1, 4, 12, 21, 39, 67, 99, 129, 172, 227, 269, 299, 344, 391, 370, 328, 280, 198, 52, -133,  
-299, -488, -745, -992, -1158, -1316, -1459, -1549, -1454, -1294, -1168, -918,  
-527, -86, 289, 705, 1212, 1637, 1840, 2065, 2277, 2299, 2118, 1888, 1718, 1346, 814,  
366, 32, -413, -857, -1152, -1275, -1443, -1583, -1495, -1328, -1219, -1087, -807,  
-535, -330, -175, 47, 201, 273, 320, 376, 402, 369, 321, 284, 247, 167, 126, 93, 76, 44,  
17, 10, 5, -4, -5, 1, 2, 3, 0, 2

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9, 10, 10, 12, 12, 14, 14

**A301004 CDO T2**  $O(IT) = 77, O(PL) = 7$

1, 4, 12, 20, 35, 67, 97, 101, 128, 160, 141, 102, 121, 121, 47, -36, -46, -118, -307,  
-391, -399, -470, -612, -558, -463, -419, -480, -255, -69, 60, 114, 395, 622, 675,  
640, 839, 935, 700, 606, 625, 542, 146, 55, -39, -176, -490, -441, -495, -503, -602,  
-518, -444, -349, -349, -242, -29, 14, 18, 80, 213, 105, 100, 143, 184, 73, 102, 95,  
57, 1, 13, 2, -9, -8, 2, 0, 0, 4

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5, 5, 9, 12, 12, 14, 14

**A301005 CDO T3**  $O(IT) = 65, O(PL) = 7$

1, 4, 12, 28, 44, 62, 92, 119, 118, 114, 118, 95, 34, -15, -51, -129, -217, -287, -340,  
-402, -444, -446, -371, -308, -242, -100, 74, 206, 293, 438, 570, 607, 578, 619, 572,  
442, 321, 224, 82, -88, -218, -310, -369, -438, -446, -414, -340, -293, -231, -141,  
-55, -19, 26, 97, 118, 112, 120, 125, 92, 64, 46, 30, 12, 4, 1

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5, 5, 7, 9, 12, 12, 14

**A301006 CDO T4**  $O(IT) = 83, O(PL) = 7$

1, 4, 12, 24, 42, 66, 98, 130, 172, 227, 272, 314, 348, 364, 372, 356, 250, 184, 74, -134,  
-323, -520, -740, -978, -1211, -1330, -1402, -1558, -1455, -1313, -1148, -846,  
-536, -93, 364, 734, 1196, 1619, 1868, 2122, 2200, 2242, 2166, 1880, 1647, 1288, 822,  
406, -43, -466, -788, -1110, -1335, -1435, -1512, -1462, -1388, -1213, -994,  
-808, -574, -317, -150, 4, 190, 264, 342, 370, 380, 366, 320, 278, 241, 178, 132, 108,  
66, 46, 22, 10, 4, -1, -2

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9, 10, 10, 12, 12, 14, 14

**A301007 EON T1**  $O(IT) = 345, O(PL) = 13$

1, 4, 10, 20, 35, 55, 80, 108, 137, 170, 214, 271, 326, 365, 409, 465, 522, 563, 598, 662, 701,  
691, 668, 654, 657, 604, 483, 358, 199, -3, -236, -497, -787, -1147, -1540, -1943,  
-2374, -2809, -3245, -3667, -4108, -4550, -4920, -5239, -5464, -5645, -5831,  
-5892, -5787, -5531, -5149, -4691, -4087, -3252, -2308, -1288, -57, 1424, 3006,  
4534, 6123, 7922, 9827, 11646, 13423, 15186, 16790, 18258, 19565, 20714, 21732, 22333,  
22581, 22590, 22194, 21407, 20343, 18899, 16903, 14450, 11640, 8518, 5122, 1370, -2671,  
-6958, -11452, -15945, -20516, -25046, -29343, -33566, -37678, -41458, -44750,  
-47371, -49497, -51368, -52598, -52826, -52414, -51497, -49662, -46968, -43661,  
-39783, -35256, -29848, -23699, -17123, -10163, -2998, 4391, 12196, 20195, 28106,  
35693, 42916, 50024, 56777, 62675, 67991, 72953, 76983, 79849, 81797, 82775, 82976,  
82372, 80477, 77314, 73131, 68269, 62764, 56194, 48572, 40444, 31950, 22818, 13087,  
3171, -6530, -16151, -26096, -35923, -45165, -53888, -61826, -69047, -75974,  
-82155, -86935, -90556, -93382, -95354, -96059, -95325, -93662, -91302, -87636,  
-82546, -76592, -70069, -62978, -55007, -46142, -36795, -27120, -17319, -7627,  
2316, 12458, 22074, 31193, 40144, 48543, 56060, 62665, 68518, 73770, 78116, 81211,  
83100, 83990, 84033, 83328, 81476, 78354, 74374, 69755, 64487, 58339, 51426, 44467,  
37336, 29377, 21048, 13126, 5475, -2177, -9710, -16985, -23756, -29912, -35444,  
-40293, -44499, -48043, -50764, -52691, -53923, -54448, -54125, -52936, -51289,  
-49339, -46650, -43177, -39350, -35245, -30962, -26611, -21951, -17055, -12355,  
-7898, -3440, 916, 4853, 8344, 11605, 14703, 17423, 19479, 20975, 22255, 23300, 23773,  
23813, 23613, 23008, 22023, 20908, 19686, 18149, 16431, 14677, 12792, 10826, 8881, 7016,  
5273, 3583, 1869, 240, -1074, -2211, -3280, -4186, -4936, -5542, -5969, -6246,  
-6454, -6474, -6305, -6147, -5987, -5659, -5198, -4758, -4328, -3849, -3359,  
-2869, -2397, -1951, -1480, -1043, -715, -415, -91, 170, 350, 537, 705, 774, 824,  
875, 900, 909, 889, 845, 790, 751, 696, 614, 550, 491, 414, 346, 286, 228, 188, 147, 89,  
50, 35, 13, -13, -21, -24, -38, -50, -49, -46, -48, -44, -44, -42, -31, -31, -30,  
-20, -16, -14, -13, -12, -7, -3, -1, -2, -2, 3, 5, 4, 5, 6, 6, 5, 3, 2, 3, 3, 1

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11, 16, 18, 20, 21, 22, 24, 24, 27, 27, 28, 31, 40

**A301008 EON T2**  $O(IT) = 312, O(PL) = 13$

1, 4, 10, 20, 36, 56, 79, 106, 140, 177, 222, 265, 307, 348, 375, 394, 383, 369, 359, 290, 214,  
127, -12, -155, -340, -526, -690, -907, -1107, -1310, -1525, -1682, -1885, -2018,  
-2094, -2182, -2185, -2181, -2103, -1964, -1794, -1523, -1231, -833, -348, 102,  
640, 1241, 1836, 2475, 3101, 3766, 4476, 5019, 5534, 6070, 6452, 6805, 7011, 7121, 7202,  
7015, 6700, 6304, 5691, 4996, 4158, 3133, 2067, 824, -521, -1875, -3374, -4846, -6268,  
-7744, -9053, -10330, -11544, -12605, -13504, -14071, -14589, -14931, -14865,  
-14657, -14190, -13595, -12832, -11572, -10172, -8711, -7098, -5317, -3239,  
-1215, 789, 3006, 5185, 7347, 9554, 11435, 13213, 15078, 16668, 18061, 19216, 20034,  
20728, 21147, 21232, 20976, 20403, 19780, 18833, 17517, 15951, 14059, 12142, 10226,  
7891, 5365, 2953, 644, -1824, -4514, -7035, -9374, -11521, -13444, -15561, -17462,  
-18824, -20120, -21296, -22169, -22810, -23020, -22859, -22658, -22327, -21635,  
-20470, -19095, -17702, -16000, -14039, -11917, -9546, -7268, -5028, -2463, 215,  
2800, 5218, 7572, 9867, 12091, 14226, 15853, 17250, 18798, 19995, 20778, 21234, 21341,  
21391, 21177, 20519, 19494, 18329, 17137, 15731, 13836, 11838, 9857, 7767, 5691, 3383,  
1068, -929, -2928, -4971, -6980, -8799, -10318, -11700, -12763, -13711, -14526,  
-14949, -15202, -15245, -15089, -14705, -13925, -12893, -11886, -10839, -9654,  
-8218, -6656, -5239, -3800, -2201, -722, 668, 1817, 2787, 3973, 4970, 5779, 6335,  
6745, 7203, 7333, 7285, 7235, 7030, 6854, 6475, 5933, 5395, 4757, 4135, 3519, 2874,  
2211, 1569, 943, 420, -152, -723, -1059, -1383, -1677, -1928, -2192, -2269, -2266,  
-2288, -2262, -2221, -2040, -1863, -1763, -1579, -1348, -1086, -851, -722, -549,  
-330, -171, -20, 86, 201, 294, 322, 346, 355, 341, 367, 362, 328, 305, 251, 215, 201,  
171, 148, 137, 126, 122, 88, 49, 51, 45, 49, 40, 7, 15, 3, -18, -23, -40, -20, -16, -33,  
-31, -37, -29, -22, -26, -16, -10, -5, -2, -5, -2, 3, 6, 5, 5, 5, 4, 4, 2, 1, 2, 1, 1

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11, 11, 12, 12, 16, 18, 20, 21, 27, 27, 28, 31, 40

**A301009 EON T3**  $O(IT) = 302, O(PL) = 13$

1, 4, 10, 21, 37, 55, 80, 111, 136, 179, 222, 251, 269, 293, 312, 277, 251, 211, 119, 35,  
-57, -193, -332, -452, -587, -759, -868, -936, -1093, -1163, -1168, -1273, -1311,  
-1262, -1254, -1243, -1102, -964, -927, -699, -383, -263, 29, 511, 805, 1086, 1627,  
2014, 2250, 2759, 3177, 3303, 3599, 4053, 3977, 3955, 4315, 4138, 3768, 3864, 3635, 2935,  
2680, 2391, 1378, 708, 379, -741, -1855, -2224, -3179, -4605, -4925, -5538, -6895,  
-7246, -7289, -8258, -8662, -8055, -8454, -8787, -7729, -7436, -7827, -6504,  
-5330, -5488, -4298, -2514, -2229, -1356, 838, 1559, 2090, 4462, 5721, 5685, 7507,  
9160, 8834, 9842, 11616, 11019, 11072, 12620, 12037, 10869, 11801, 11586, 9609, 9805,  
9679, 7224, 6382, 6519, 3983, 2066, 2321, 343, -2146, -2262, -3570, -6400, -6663,  
-6860, -9576, -10269, -9552, -11477, -12622, -11452, -12339, -13627, -12037,  
-11773, -13166, -11821, -10258, -11092, -10168, -7766, -7917, -7222, -4332,  
-3610, -3474, -600, 1144, 1022, 3246, 5415, 5293, 6656, 9094, 8938, 9099, 11400, 11530,  
10784, 12165, 12488, 11184, 11685, 12150, 10247, 9611, 10053, 8334, 6657, 6700, 5337,  
3178, 2894, 1799, -598, -1237, -1559, -3581, -4762, -4753, -6096, -7362, -7098,  
-7712, -8883, -8426, -8165, -9027, -8686, -7799, -7895, -7436, -6156, -5754,  
-5415, -3874, -2948, -2672, -1509, -261, 96, 889, 1924, 2078, 2569, 3478, 3688, 3586,  
4110, 4431, 4087, 4128, 4252, 3830, 3707, 3706, 3150, 2619, 2498, 2089, 1470, 1233, 921,  
399, 100, -63, -547, -837, -794, -982, -1205, -1213, -1306, -1414, -1331, -1301,  
-1360, -1275, -1031, -995, -979, -796, -646, -516, -318, -215, -133, 43, 153, 157,  
176, 267, 294, 283, 275, 245, 193, 197, 168, 111, 106, 100, 85, 72, 57, 35, 36, 47, 50, 23,  
18, 25, 14, 9, -2, -18, -5, -3, -17, -23, -24, -11, -15, -18, -16, -11, -4, -3, -6,  
-2, 2, 4, 2, 2, 3, 3, 4, 1, 1, 1, 1

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8, 11, 11, 12, 12, 18, 20, 21, 27, 27, 28, 31, 40

**A301010 EON T4**  $O(IT) = 290, O(PL) = 13$

1, 4, 12, 21, 36, 59, 85, 108, 150, 192, 231, 275, 321, 362, 383, 395, 407, 385, 336, 287,  
201, 93, -34, -189, -371, -560, -767, -971, -1174, -1394, -1587, -1758, -1940,  
-2079, -2178, -2224, -2208, -2197, -2100, -1929, -1735, -1448, -1100, -695,  
-245, 288, 859, 1435, 2042, 2693, 3378, 4010, 4593, 5203, 5762, 6236, 6641, 6926, 7124,  
7231, 7184, 6994, 6684, 6153, 5567, 4822, 3853, 2751, 1589, 368, -1024, -2501, -3967,  
-5421, -6909, -8346, -9683, -10981, -12098, -12972, -13784, -14405, -14813,  
-14979, -14855, -14581, -14075, -13286, -12230, -11004, -9651, -8084, -6330,  
-4412, -2343, -239, 1882, 3997, 6234, 8423, 10364, 12324, 14198, 15915, 17399, 18593,  
19590, 20415, 20957, 21146, 21089, 20775, 20128, 19262, 18154, 16674, 14967, 13147,  
11173, 8934, 6546, 4170, 1687, -868, -3329, -5851, -8326, -10545, -12647, -14688,  
-16537, -18162, -19575, -20647, -21573, -22370, -22708, -22739, -22624, -22274,  
-21611, -20675, -19547, -18119, -16471, -14709, -12694, -10455, -8177, -5838,  
-3880, -870, 1656, 4249, 6636, 8860, 11169, 13224, 15009, 16694, 18106, 19199, 20170,  
20867, 21097, 21079, 20922, 20440, 19643, 18548, 17306, 15882, 14227, 12416, 10344,  
8277, 6217, 4043, 1839, -274, -2405, -4419, -6233, -8070, -9750, -11064, -12227,  
-13260, -14051, -14597, -14895, -14954, -14767, -14433, -13822, -13005, -12048,  
-10918, -9682, -8349, -6948, -5418, -3907, -2528, -1059, 398, 1646, 2802, 3844,  
4793, 5556, 6216, 6703, 6965, 7210, 7258, 7158, 6933, 6612, 6237, 5768, 5227, 4598, 3981,  
3394, 2683, 2024, 1408, 831, 280, -253, -682, -1113, -1473, -1743, -1960, -2111,  
-2196, -2223, -2206, -2167, -2077, -1955, -1773, -1576, -1392, -1169, -962,  
-766, -559, -373, -199, -35, 104, 217, 293, 345, 393, 413, 400, 387, 367, 330, 287, 230,  
191, 149, 104, 77, 55, 32, 16, 7, 0, -6, -5, 0, -1, -1, 2, 1, 0, 2, 1, 1, 0, 2, 0, 0, 1

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11, 11, 12, 12, 16, 18, 20, 21, 27, 27, 28, 31, 40



**A301011 EON T5**  $O(IT) = 304, O(PL) = 13$

1, 4, 12, 20, 36, 62, 84, 112, 151, 193, 229, 270, 331, 369, 390, 417, 434, 437, 428,  
391, 344, 278, 198, 76, -53, -202, -378, -571, -788, -1018, -1258, -1475, -1702,  
-2001, -2234, -2384, -2586, -2751, -2827, -2880, -2898, -2798, -2646, -2467,  
-2139, -1719, -1294, -784, -156, 523, 1248, 2078, 2910, 3659, 4621, 5569, 6306, 7130,  
8004, 8586, 9140, 9728, 9964, 10012, 10157, 10017, 9478, 8907, 8221, 7184, 6050, 4782,  
3142, 1462, -99, -2042, -4275, -6076, -7976, -10227, -12072, -13801, -15813,  
-17356, -18489, -19887, -21024, -21356, -21719, -22007, -21583, -20889, -20161,  
-18769, -16994, -15276, -13149, -10395, -7903, -5195, -1844, 1216, 4133, 7738,  
11077, 13778, 16889, 20175, 22526, 24830, 27310, 28988, 30248, 31606, 32291, 32295,  
32354, 31987, 30669, 29263, 27766, 25378, 22748, 20210, 16953, 13362, 10182, 6471, 2216,  
-1378, -4874, -9173, -13003, -16204, -19762, -23189, -25850, -28503, -31043,  
-32742, -34088, -35559, -36207, -36149, -36088, -35563, -34219, -32877, -31143,  
-28493, -25918, -23500, -19975, -16256, -13081, -9366, -5145, -1591, 2123, 6369,  
10012, 13136, 16788, 20148, 22673, 25174, 27607, 29222, 30652, 31995, 32278, 32165,  
32408, 31761, 30237, 29019, 27398, 24919, 22701, 20321, 16973, 13940, 11317, 7889,  
4215, 1336, -1645, -5008, -7792, -10321, -13086, -15195, -16863, -18735, -20154,  
-20737, -21536, -22072, -21717, -21399, -21110, -19893, -18541, -17495, -15911,  
-13848, -12196, -10353, -8071, -6165, -4351, -2121, -196, 1340, 3080, 4789, 5970,  
7124, 8237, 8890, 9488, 10031, 10098, 9999, 10041, 9772, 9103, 8622, 8073, 7173, 6359,  
5609, 4672, 3732, 2962, 2087, 1228, 575, -97, -782, -1276, -1724, -2159, -2459,  
-2632, -2811, -2901, -2872, -2856, -2793, -2594, -2397, -2231, -1985, -1708,  
-1499, -1275, -1017, -792, -584, -381, -209, -50, 82, 185, 268, 354, 400, 425, 440,  
447, 422, 392, 364, 327, 280, 242, 197, 149, 112, 81, 56, 33, 17, 11, 5, -4, -4, -3, 1, -1,  
0, 4, 1, 0, 1, 0, 0, 0, 1, 0, 1, 1, -1

11, 11, 12, 16, 18, 20, 21, 24, 27, 27, 28, 31, 40

**A301012 EON T6**  $O(IT) = 310, O(PL) = 13$

1, 4, 10, 21, 36, 53, 77, 109, 142, 175, 217, 264, 305, 346, 377, 389, 395, 384, 348, 287, 224,  
128, -20, -150, -313, -532, -723, -906, -1098, -1315, -1515, -1687, -1875, -1996,  
-2102, -2205, -2173, -2124, -2104, -2007, -1796, -1533, -1224, -805, -387, 46,  
647, 1236, 1743, 2445, 3199, 3793, 4388, 5048, 5555, 5973, 6475, 6888, 7015, 7140, 7213,  
6957, 6667, 6325, 5657, 4969, 4328, 3246, 1946, 806, -429, -1936, -3351, -4673, -6219,  
-7682, -8939, -10438, -11772, -12483, -13302, -14181, -14606, -14754, -14988,  
-14872, -14253, -13632, -12747, -11390, -10224, -8968, -7110, -5301, -3501,  
-1279, 1048, 2960, 5041, 7361, 9343, 11173, 13358, 15241, 16621, 18102, 19264, 19874,  
20619, 21293, 21195, 20977, 20775, 19969, 18620, 17383, 15923, 14109, 12404, 10396,  
7836, 5462, 3246, 469, -2200, -4365, -6616, -9172, -11349, -13498, -15786, -17472,  
-18714, -20233, -21348, -21845, -22619, -23186, -23107, -22892, -22560, -21469,  
-20249, -19253, -17848, -15929, -14216, -12209, -9660, -7363, -5081, -2258, 332,  
2406, 4929, 7625, 9842, 11986, 14198, 15792, 17328, 19022, 19932, 20419, 21261, 21719,  
21426, 21114, 20613, 19607, 18521, 17413, 15620, 13655, 12075, 10154, 7760, 5752, 3684,  
1217, -924, -2906, -5144, -7088, -8514, -10052, -11599, -12771, -13876, -14817,  
-15049, -15166, -15380, -15096, -14403, -13893, -13338, -12323, -11028, -9619,  
-8022, -6591, -5348, -3831, -2270, -1018, 309, 1798, 3104, 4189, 4996, 5594, 6123,  
6695, 7171, 7374, 7477, 7478, 7193, 6807, 6381, 5855, 5399, 4975, 4444, 3673, 2836, 2149,  
1568, 939, 379, -105, -533, -940, -1414, -1846, -2097, -2148, -2164, -2257, -2343,  
-2285, -2224, -2119, -1994, -1819, -1552, -1267, -1098, -972, -787, -550, -346,  
-178, -5, 96, 200, 298, 314, 298, 359, 406, 409, 376, 321, 283, 264, 251, 207, 173, 182,  
177, 124, 98, 69, 66, 80, 66, 32, 18, 22, 10, -18, -30, -24, -26, -22, -38, -48, -38,  
-26, -32, -30, -24, -12, -6, -6, -6, -2, 6, 8, 4, 4, 8, 6, 4, 2, 2, 2, 2

11, 11, 12, 12, 16, 18, 20, 21, 27, 27, 28, 31, 40

**A301013 EON T7**  $O(IT) = 348, O(PL) = 13$

1, 4, 10, 21, 36, 54, 76, 108, 142, 181, 226, 257, 305, 370, 428, 468, 510, 580, 619, 647, 655,  
679, 733, 689, 617, 562, 472, 379, 186, -5, -212, -513, -831, -1174, -1551, -1940,  
-2376, -2799, -3279, -3708, -4128, -4541, -4849, -5219, -5532, -5723, -5828,  
-5792, -5678, -5560, -5187, -4681, -4001, -3242, -2313, -1148, 170, 1401, 2819,  
4551, 6375, 8070, 9836, 11607, 13417, 15214, 16730, 18306, 19713, 20752, 21546, 22184,  
22518, 22573, 22163, 21425, 20235, 18591, 16671, 14360, 11603, 8447, 5014, 1081, -2950,  
-7042, -11510, -16031, -20491, -25109, -29474, -33764, -37738, -41183, -44437,  
-47400, -49832, -51198, -52141, -52580, -52409, -51146, -49291, -46854, -43696,  
-39450, -34724, -29258, -23454, -17267, -10170, -2686, 4884, 12587, 20281, 27845,  
35709, 43121, 50023, 56511, 62833, 68119, 72675, 76378, 79488, 81695, 82812, 82906,  
81723, 79608, 76904, 73232, 68125, 62244, 55478, 48244, 40383, 31582, 22162, 13005,  
3455, -6742, -16737, -26478, -35811, -44803, -53456, -62034, -69450, -75938,  
-81325, -86447, -90545, -93341, -94763, -95494, -95101, -93559, -90660, -86600,  
-82166, -76766, -69919, -62244, -54352, -45514, -36600, -27203, -17298, -7102,  
2656, 12515, 22013, 31356, 40126, 48208, 55715, 62603, 68680, 73592, 77471, 80398,  
82798, 83935, 83871, 82740, 80589, 77739, 74286, 69443, 63702, 57958, 51490, 44146,  
36429, 28889, 21218, 13490, 5224, -2589, -9944, -16768, -23537, -29660, -35248,  
-40082, -44315, -47759, -50363, -52382, -53515, -53839, -53617, -52910, -51084,  
-48821, -45954, -42758, -39163, -35310, -30757, -26174, -21581, -17060, -12403,  
-7809, -3323, 734, 4550, 8343, 11775, 14569, 16818, 19076, 20963, 22253, 22946, 23408,  
23561, 23290, 22754, 21903, 20771, 19461, 17956, 16233, 14536, 12638, 10814, 8948,  
7118, 5135, 3457, 1914, 455, -905, -2132, -3225, -4107, -4815, -5387, -5843, -6166,  
-6225, -6337, -6282, -6175, -5796, -5495, -5119, -4784, -4305, -3798, -3303,  
-2902, -2380, -1935, -1522, -1130, -752, -399, -150, 141, 324, 486, 613, 729, 811,  
859, 850, 864, 845, 834, 789, 719, 686, 608, 557, 483, 420, 345, 312, 242, 196, 126, 118,  
77, 38, 22, -5, -4, -30, -28, -38, -34, -44, -42, -50, -28, -56, -22, -38, -24,  
-24, -24, -18, -14, -16, -2, -10, -4, 2, -2, 4, -2, 6, 2, 6, 2, 6, 4, 4, 0, 4, 0, 2, 0, 2

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11, 16, 18, 20, 21, 22, 24, 24, 27, 27, 28, 31, 40

**A301014 EON T8**  $O(IT) = 343, O(PL) = 13$

1, 4, 10, 21, 37, 55, 76, 103, 149, 191, 218, 265, 322, 364, 412, 483, 547, 573, 602, 635, 671,  
703, 697, 696, 651, 552, 445, 336, 220, 10, -266, -533, -854, -1219, -1581, -1949,  
-2388, -2846, -3286, -3765, -4176, -4498, -4884, -5278, -5551, -5726, -5817,  
-5828, -5702, -5458, -5144, -4679, -4039, -3186, -2125, -1034, 106, 1506, 3059,  
4617, 6379, 8284, 10012, 11715, 13506, 15220, 16906, 18480, 19761, 20815, 21673, 22235,  
22463, 22521, 22328, 21440, 20041, 18452, 16539, 14155, 11449, 8305, 4657, 870, -3161,  
-7566, -11869, -16162, -20816, -25517, -29950, -34099, -37986, -41488, -44735,  
-47663, -49924, -51490, -52474, -52655, -52106, -51139, -49509, -46743, -43255,  
-39284, -34343, -28758, -22996, -16718, -9676, -2172, 5618, 13407, 21004, 28588,  
36310, 43777, 50773, 57464, 63541, 68662, 73088, 76954, 79905, 81994, 83243, 83083,  
81605, 79607, 76815, 72750, 67735, 61927, 55027, 47317, 39264, 30674, 21469, 11971,  
2184, -7963, -17967, -27640, -36991, -45965, -54646, -63091, -70596, -76797,  
-82371, -87292, -90917, -93540, -95454, -95960, -94997, -93186, -90394, -86305,  
-81492, -75991, -69194, -61262, -52955, -44299, -35259, -25863, -15868, -5624,  
4258, 13978, 23721, 32778, 41204, 49436, 57074, 63718, 69616, 74456, 77953, 80791,  
83179, 84166, 83697, 82518, 80391, 77100, 73189, 68665, 63092, 56826, 50064, 42764,  
35191, 27597, 19748, 11855, 4083, -3870, -11578, -18266, -24377, -30612, -36280,  
-40920, -44992, -48427, -50825, -52531, -53579, -53828, -53509, -52657, -50783,  
-48102, -45227, -42078, -38362, -34281, -29930, -25229, -20539, -15944, -11316,  
-6855, -2659, 1638, 5726, 9151, 12254, 15187, 17536, 19405, 21169, 22549, 23244, 23451,  
23412, 23140, 22607, 21712, 20444, 19000, 17535, 15779, 13866, 12147, 10405, 8423,  
6439, 4634, 2938, 1457, 67, -1310, -2516, -3505, -4405, -5127, -5590, -5876, -6160,  
-6360, -6357, -6235, -6025, -5719, -5364, -4977, -4534, -4115, -3662, -3106,  
-2585, -2199, -1774, -1317, -913, -587, -272, 40, 268, 421, 548, 687, 802, 855, 850,  
853, 869, 843, 776, 735, 693, 629, 560, 484, 421, 380, 317, 231, 175, 140, 111, 67, 37, 20,  
0, -25, -36, -32, -32, -34, -32, -34, -34, -42, -42, -24, -24, -20, -18, -16, -8,  
-10, -12, -6, -2, 4, 2, 0, 2, 4, 4, 0, 2, 6, 6, 4, 2, 2, 2

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11, 16, 18, 20, 21, 22, 24, 24, 27, 27, 28, 31, 40

**A301015 EON T9**  $O(IT) = 317, O(PL) = 13$

1, 4, 11, 24, 38, 52, 82, 124, 146, 182, 238, 282, 321, 365, 431, 493, 533, 574, 613, 655, 684, 704, 712, 680, 633, 570, 475, 317, 127, -32, -270, -621, -947, -1264, -1627, -2032, -2485, -2927, -3372, -3824, -4223, -4622, -5012, -5341, -5569, -5759, -5894, -5861, -5667, -5387, -5081, -4618, -3859, -2979, -1977, -798, 454, 1829, 3386, 5081, 6858, 8600, 10366, 12243, 13968, 15548, 17172, 18809, 20129, 21070, 21805, 22369, 22683, 22525, 22002, 21160, 19751, 17991, 15924, 13442, 10585, 7317, 3741, -176, -4403, -8676, -12934, -17489, -22226, -26709, -30997, -35178, -39009, -42414, -45455, -48125, -50341, -51723, -52377, -52510, -51840, -50457, -48473, -45720, -42036, -37441, -32430, -27087, -20951, -14134, -7160, 95, 7908, 15790, 23493, 31063, 38443, 45725, 52769, 59205, 64936, 69768, 73849, 77519, 80314, 81823, 82237, 81964, 80802, 78223, 74534, 70348, 65391, 59091, 51849, 44114, 35760, 27083, 18051, 8387, -1599, -11532, -21155, -30514, -39835, -48951, -57173, -64684, -71911, -78339, -83446, -87465, -90766, -93196, -94426, -94490, -93341, -90832, -87493, -83668, -78593, -72111, -65034, -57516, -49325, -40307, -30780, -21412, -12098, -2060, 8181, 17690, 26695, 35444, 43764, 51597, 58787, 64986, 70135, 74487, 78161, 80673, 81852, 82329, 82008, 80374, 77613, 74013, 69853, 65133, 59474, 52950, 46088, 38839, 31268, 23862, 16208, 8145, 384, -6786, -13845, -20795, -26991, -32269, -37119, -41760, -45648, -48444, -50348, -51656, -52514, -52616, -51802, -50322, -48252, -45635, -42632, -39170, -35151, -31072, -27009, -22450, -17619, -13121, -8881, -4603, -399, 3588, 7242, 10507, 13356, 15840, 17963, 19763, 21129, 21940, 22422, 22666, 22509, 21844, 21005, 20178, 18965, 17327, 15634, 13961, 12239, 10484, 8710, 6839, 5102, 3490, 1923, 496, -802, -1938, -2904, -3791, -4609, -5151, -5428, -5661, -5859, -5883, -5753, -5589, -5360, -4993, -4622, -4258, -3833, -3390, -2954, -2505, -2069, -1649, -1242, -922, -633, -301, -32, 143, 317, 464, 560, 632, 690, 712, 695, 690, 669, 618, 570, 535, 488, 426, 367, 314, 280, 243, 183, 149, 126, 86, 50, 34, 26, 11, 3, -1, -2, -2, -1, 0, 0, 4, 4

11, 16, 18, 20, 21, 22, 24, 24, 27, 27, 28, 31, 40

**A301016 EON T10**  $O(IT) = 283, O(PL) = 13$

1, 4, 11, 24, 39, 57, 87, 118, 149, 187, 235, 280, 317, 363, 390, 394, 389, 369, 336, 285, 195, 80, -54, -197, -377, -583, -772, -965, -1176, -1390, -1589, -1783, -1935, -2039, -2141, -2236, -2207, -2123, -2043, -1925, -1705, -1398, -1057, -631, -168, 295, 855, 1490, 2054, 2651, 3333, 3998, 4603, 5191, 5645, 6053, 6562, 6922, 7012, 7109, 7178, 6931, 6550, 6134, 5472, 4626, 3902, 2895, 1502, 244, -975, -2496, -4005, -5333, -6867, -8303, -9447, -10794, -12132, -12879, -13556, -14293, -14598, -14647, -14810, -14510, -13725, -13194, -12399, -10857, -9396, -8165, -6334, -4347, -2581, -441, 1945, 3839, 5923, 8347, 10251, 11980, 14022, 15724, 17022, 18507, 19588, 20071, 20698, 21263, 20971, 20559, 20292, 19339, 17944, 16796, 15220, 13097, 11264, 9277, 6648, 4149, 1923, -767, -3349, -5600, -8083, -10580, -12527, -14552, -16687, -18141, -19303, -20673, -21645, -22106, -22687, -22968, -22571, -22152, -21804, -20658, -19292, -18216, -16707, -14633, -12694, -10607, -8100, -5797, -3481, -755, 1793, 4002, 6565, 9113, 11175, 13124, 15152, 16657, 17919, 19333, 20228, 20539, 20996, 21229, 20689, 20169, 19627, 18428, 17085, 15900, 14098, 12037, 10294, 8388, 6071, 3994, 1948, -406, -2432, -4211, -6277, -8154, -9351, -10743, -12291, -13178, -13784, -14527, -14737, -14623, -14672, -14347, -13531, -12901, -12169, -10847, -9554, -8370, -6889, -5372, -4093, -2600, -1025, 221, 1456, 2832, 3838, 4619, 5494, 6119, 6469, 6893, 7219, 7137, 7034, 6920, 6555, 6114, 5724, 5191, 4584, 4049, 3397, 2654, 2062, 1512, 871, 320, -138, -634, -1080, -1371, -1673, -1933, -2052, -2128, -2221, -2228, -2132, -2051, -1944, -1772, -1587, -1406, -1197, -987, -784, -578, -380, -221, -62, 86, 190, 277, 340, 380, 399, 405, 392, 357, 323, 290, 240, 190, 151, 120, 83, 53, 33, 18, 11, 3, -1, -2, -2, -1, 0, 2, 2, 2, 2

11, 11, 12, 12, 16, 18, 20, 21, 27, 27, 28, 31, 40

**A301017 ETR T1**  $O(IT) = 53, O(PL) = 5$

1, 4, 9, 18, 31, 45, 63, 86, 111, 139, 166, 192, 212, 216, 212, 194, 157, 112, 50, -28, -108, -194, -280, -349, -400, -435, -448, -435, -400, -349, -280, -194, -108, -28, 50, 112, 157, 194, 212, 216, 212, 192, 166, 139, 111, 86, 63, 45, 31, 18, 9, 4, 1

9, 10, 10, 11, 12

**A301018 ETR T2**  $O(IT) = 62, O(PL) = 6$

1, 4, 9, 17, 28, 41, 57, 80, 113, 149, 179, 199, 203, 185, 151, 117, 78, 12, -86, -203, -325, -442, -529, -564, -563, -548, -521, -472, -387, -261, -94, 94, 261, 387, 472, 521, 548, 563, 564, 529, 442, 325, 203, 86, -12, -78, -117, -151, -185, -203, -199, -179, -149, -113, -80, -57, -41, -28, -17, -9, -4, -1

9, 9, 10, 10, 11, 12

**A301019 ETR T3**  $O(IT) = 58, O(PL) = 5$

1, 4, 9, 17, 28, 43, 62, 83, 109, 137, 164, 196, 215, 220, 218, 198, 166, 112, 51, -11, -102, -192, -272, -356, -411, -440, -455, -444, -409, -360, -299, -217, -119, -30, 51, 127, 175, 201, 221, 229, 221, 207, 181, 143, 109, 80, 53, 33, 24, 17, 7, 2, -2, -2, 1, 0, 3, 3

9, 10, 10, 11, 12

**A301020 ETR T4**  $O(IT) = 66, O(PL) = 6$

1, 4, 9, 16, 25, 39, 58, 80, 107, 141, 175, 193, 199, 198, 177, 133, 74, 15, -60, -175,  
-305, -433, -531, -577, -598, -590, -551, -493, -412, -301, -134, 69, 255, 411,  
514, 562, 591, 603, 591, 555, 483, 361, 202, 62, -34, -105, -153, -181, -199, -213,  
-218, -200, -156, -101, -60, -42, -33, -22, -13, -7, 0, 4, 2, -3, -6, -3

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9, 9, 10, 10, 11, 12

**A301021 EZT T1**  $O(IT) = 33, O(PL) = 4$

1, 4, 10, 19, 31, 47, 64, 77, 85, 89, 87, 77, 63, 48, 31, 15, 0, -15, -31, -48, -63, -77,  
-87, -89, -85, -77, -64, -47, -31, -19, -10, -4, -1

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5, 5, 8, 14

**A301022 EZT T2**  $O(IT) = 35, O(PL) = 4$

1, 4, 10, 19, 31, 49, 65, 73, 84, 91, 84, 75, 67, 49, 30, 18, 1, -16, -30, -47, -68, -77,  
-83, -93, -87, -73, -64, -53, -30, -15, -10, -4, 1, 0, -2

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5, 5, 8, 14

**A301023 EZT T3**  $O(IT) = 33, O(PL) = 4$

1, 4, 10, 20, 32, 46, 63, 78, 85, 87, 87, 79, 62, 45, 32, 17, 0, -17, -32, -45, -62, -79,  
-87, -87, -85, -78, -63, -46, -32, -20, -10, -4, -1

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5, 5, 8, 14

**A301024 EZT T4**  $O(IT) = 37, O(PL) = 4$

1, 4, 9, 17, 30, 47, 65, 79, 85, 90, 93, 78, 58, 52, 37, 7, -8, -11, -29, -52, -64, -74,  
-83, -90, -93, -79, -59, -51, -38, -13, -1, -4, -1, 4, 0, -4, -2

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5, 5, 8, 14

**A301025 EZT T5**  $O(IT) = 31, O(PL) = 4$

1, 4, 9, 18, 29, 46, 64, 75, 83, 85, 70, 49, 24, -16, -47, -67, -86, -92, -81, -68, -51,  
-29, -15, -6, 2, 3, 0, 1, 0, -3, -2

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5, 5, 7, 8

**A301026 FAR T1**  $O(IT) = 42, O(PL) = 3$

1, 3, 6, 10, 14, 17, 19, 21, 22, 22, 21, 21, 21, 20, 21, 22, 22, 21, 20, 20, 20, 20, 20, 21,  
22, 22, 21, 20, 21, 21, 21, 22, 22, 21, 19, 17, 14, 10, 6, 3, 1

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1, 5, 35

**A301027 FAR T2**  $O(IT) = 42, O(PL) = 3$

1, 3, 6, 10, 14, 18, 20, 20, 20, 20, 21, 22, 22, 22, 21, 19, 19, 21, 22, 22, 21, 21, 22, 22, 21,  
19, 19, 21, 22, 22, 22, 21, 20, 20, 20, 18, 14, 10, 6, 3, 1

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1, 5, 35

**A301028 FAR T3**  $O(IT) = 42, O(PL) = 3$

1, 3, 6, 10, 14, 18, 20, 20, 20, 20, 20, 20, 20, 21, 22, 22, 21, 20, 21, 22, 23, 23, 22, 21, 20,  
21, 22, 22, 21, 20, 20, 20, 20, 20, 20, 18, 14, 10, 6, 3, 1

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1, 5, 35

**A301029 FAR T4**  $O(IT) = 42, O(PL) = 3$

1, 3, 6, 10, 14, 19, 21, 20, 20, 20, 20, 20, 20, 20, 20, 22, 24, 24, 22, 18, 18, 22, 24, 24,  
22, 20, 20, 20, 20, 20, 20, 20, 20, 21, 19, 14, 10, 6, 3, 1

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1, 5, 35

**A301030 FRA T1**  $O(IT) = 52, O(PL) = 3$

1, 3, 6, 10, 14, 18, 22, 26, 30, 35, 40, 44, 47, 51, 57, 61, 65, 69, 72, 76, 79, 83, 87, 89, 90,  
89, 89, 90, 89, 87, 83, 79, 76, 72, 69, 65, 61, 57, 51, 47, 44, 40, 35, 30, 26, 22, 18, 14, 10,  
6, 3, 1

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1, 22, 28

**A301031 FRA T2**  $O(IT) = 52, O(PL) = 3$

1, 3, 6, 10, 14, 18, 22, 27, 32, 35, 38, 42, 47, 52, 55, 59, 64, 69, 74, 77, 81, 84, 86, 89, 89,  
90, 90, 89, 89, 86, 84, 81, 77, 74, 69, 64, 59, 55, 52, 47, 42, 38, 35, 32, 27, 22, 18, 14, 10,  
6, 3, 1

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1, 22, 28

**A301032 FRA T3**  $O(IT) = 52, O(PL) = 3$

1, 3, 6, 10, 14, 18, 22, 27, 32, 35, 38, 42, 47, 52, 55, 58, 62, 67, 72, 76, 80, 84, 88, 91, 92,  
92, 92, 92, 91, 88, 84, 80, 76, 72, 67, 62, 58, 55, 52, 47, 42, 38, 35, 32, 27, 22, 18, 14, 10,  
6, 3, 1

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1, 22, 28

**A301033 FRA T4**  $O(IT) = 52, O(PL) = 3$

1, 3, 6, 10, 14, 19, 23, 26, 30, 34, 40, 44, 46, 50, 54, 60, 64, 67, 72, 76, 82, 86, 88, 90, 89,  
90, 90, 89, 90, 88, 86, 82, 76, 72, 67, 64, 60, 54, 50, 46, 44, 40, 34, 30, 26, 23, 19, 14, 10,  
6, 3, 1

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1, 22, 28

**A301034 FRA T5**  $O(IT) = 52, O(PL) = 3$

1, 3, 6, 10, 14, 18, 22, 26, 30, 34, 38, 44, 50, 54, 58, 60, 64, 68, 70, 76, 80, 84, 87, 87, 90,  
90, 90, 87, 87, 84, 80, 76, 70, 68, 64, 60, 58, 54, 50, 44, 38, 34, 30, 26, 22, 18, 14, 10,  
6, 3, 1

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1, 22, 28

**A301035 FRA T6**  $O(IT) = 52, O(PL) = 3$

1, 3, 6, 10, 14, 20, 24, 26, 30, 34, 40, 44, 46, 50, 54, 60, 64, 66, 70, 74, 80, 84, 87, 91, 92,  
94, 94, 92, 91, 87, 84, 80, 74, 70, 66, 64, 60, 54, 50, 46, 44, 40, 34, 30, 26, 24, 20, 14, 10,  
6, 3, 1

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1, 22, 28

**A301036 GIU T1**  $O(IT) = 47, O(PL) = 3$

1, 3, 6, 10, 14, 18, 20, 20, 20, 21, 23, 23, 20, 18, 20, 23, 23, 20, 18, 20, 22, 22, 21, 20, 21,  
22, 22, 20, 18, 20, 23, 23, 20, 18, 20, 23, 23, 21, 20, 20, 20, 18, 14, 10, 6, 3, 1

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1, 5, 40

**A301037 GIU T2**  $O(IT) = 47, O(PL) = 3$

1, 3, 6, 10, 14, 18, 20, 20, 20, 21, 22, 22, 22, 21, 19, 19, 21, 22, 21, 19, 20, 23, 24, 23,  
20, 19, 21, 22, 21, 19, 19, 21, 22, 22, 22, 21, 20, 20, 20, 20, 18, 14, 10, 6, 3, 1

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1, 5, 40

**A301038 GIU T3**  $O(IT) = 47, O(PL) = 3$

1, 3, 6, 10, 14, 19, 21, 20, 20, 20, 21, 21, 20, 20, 21, 22, 22, 20, 18, 21, 24, 24, 20, 16, 20,  
24, 24, 21, 18, 20, 22, 22, 21, 20, 20, 21, 21, 20, 20, 20, 21, 19, 14, 10, 6, 3, 1

---

1, 5, 40

**A301039 GIU T4**  $O(IT) = 47, O(PL) = 3$

1, 3, 6, 10, 14, 19, 21, 20, 20, 20, 20, 20, 20, 20, 20, 20, 22, 24, 24, 22, 18, 18, 22, 24, 22,  
18, 18, 22, 24, 24, 22, 20, 20, 20, 20, 20, 20, 20, 21, 19, 14, 10, 6, 3, 1

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1, 5, 40

**A301040 GIU T5**  $O(IT) = 27, O(PL) = 3$

1, 3, 6, 10, 14, 17, 19, 22, 24, 22, 18, 18, 22, 24, 22, 18, 18, 22, 24, 22, 19, 17, 14, 10, 6,  
3, 1

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1, 5, 20

**A301041 GON T1**  $O(IT) = 50, O(PL) = 6$

1, 4, 12, 21, 38, 58, 67, 76, 70, 49, 22, -20, -54, -72, -83, -93, -98, -105, -133,  
-144, -163, -149, -102, -50, 35, 105, 154, 160, 163, 135, 104, 94, 82, 86, 65, 54, 29,  
-15, -51, -71, -75, -76, -58, -37, -19, -11, -5, 2, -1, -1

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4, 5, 6, 6, 13, 13

**A301042 GON T2**  $O(IT) = 48, O(PL) = 6$

1, 4, 12, 25, 37, 52, 68, 74, 71, 50, 20, -12, -48, -69, -85, -101, -111, -121, -132,  
-145, -149, -127, -86, -32, 32, 86, 127, 149, 145, 132, 121, 111, 101, 85, 69, 48, 12,  
-20, -50, -71, -74, -68, -52, -37, -25, -12, -4, -1

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4, 5, 6, 6, 13, 13

**A301043 GON T3**  $O(IT) = 55, O(PL) = 6$

1, 4, 11, 22, 38, 57, 80, 102, 111, 105, 84, 62, 30, -20, -65, -110, -160, -202, -227,  
-244, -254, -251, -225, -169, -112, -43, 42, 108, 171, 234, 259, 254, 246, 227, 192,  
151, 107, 66, 19, -29, -57, -83, -108, -113, -102, -82, -57, -34, -19, -10, -4, 0,  
0, -2, -1

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5, 6, 6, 8, 13, 13

**A301044 GON T4**  $O(IT) = 51, O(PL) = 6$

1, 4, 11, 22, 37, 58, 74, 74, 65, 51, 20, -20, -55, -72, -83, -96, -93, -101, -130,  
-161, -157, -139, -117, -50, 43, 119, 143, 160, 168, 137, 99, 85, 91, 80, 67, 54, 26,  
-16, -52, -66, -75, -77, -60, -35, -19, -10, -3, 1, 0, -2, -1

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4, 5, 6, 6, 13, 13

**A301045 IHW T1**  $O(IT) = 228, O(PL) = 11$

1, 4, 11, 24, 41, 68, 91, 111, 141, 180, 207, 228, 252, 275, 304, 323, 331, 313, 305,  
287, 236, 190, 137, 52, -48, -135, -294, -456, -600, -802, -1002, -1142, -1373,  
-1589, -1670, -1840, -2019, -2048, -2136, -2178, -2036, -1986, -1919, -1617,  
-1361, -1142, -635, -247, 143, 839, 1367, 1794, 2577, 3155, 3606, 4387, 4938, 5256,  
5847, 6210, 6305, 6599, 6578, 6236, 6310, 6051, 5273, 4910, 4240, 3070, 2264, 1244,  
-164, -1117, -2292, -3795, -4792, -5905, -7481, -8388, -9217, -10519, -11093,  
-11363, -12037, -11948, -11830, -12078, -11465, -10696, -10325, -9131, -7689,  
-6698, -5003, -3091, -1811, -33, 1971, 3216, 5066, 7129, 8309, 9972, 11620, 12251,  
13246, 14156, 14199, 14551, 14899, 14293, 13953, 13758, 12554, 11399, 10381, 8484, 6933,  
5684, 3611, 1968, 614, -1523, -3197, -4549, -6426, -7880, -8823, -10081, -10889,  
-11145, -11802, -12101, -11838, -12064, -11908, -11038, -10479, -9617, -8350,  
-7492, -6336, -4867, -3859, -2750, -1336, -259, 851, 2270, 3221, 3967, 4867, 5331,  
5714, 6279, 6368, 6443, 6695, 6515, 6182, 5979, 5455, 4890, 4428, 3756, 3085, 2701,  
2104, 1419, 942, 303, -321, -637, -1028, -1403, -1587, -1846, -2012, -1990, -2105,  
-2231, -2125, -2036, -1941, -1725, -1534, -1396, -1160, -1002, -875, -659, -489,  
-343, -147, -32, 30, 142, 226, 235, 269, 290, 302, 330, 351, 324, 292, 262, 222, 206,  
184, 142, 113, 104, 77, 47, 28, 14, -1, -3, -5, -5, -2, 4, 1, -1, -1, -1

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5, 13, 14, 17, 20, 22, 22, 23, 24, 27, 32

**A301046 IHW T2**  $O(IT) = 228, O(PL) = 11$

1, 4, 12, 23, 40, 67, 96, 130, 161, 208, 272, 325, 361, 413, 484, 531, 552, 573, 590,  
580, 557, 481, 419, 316, 141, -46, -227, -492, -797, -1095, -1400, -1736, -2101,  
-2500, -2808, -3031, -3361, -3659, -3769, -3817, -3866, -3777, -3622, -3275,  
-2875, -2418, -1777, -915, -144, 675, 1810, 2932, 3923, 5058, 6201, 7344, 8406, 9192,  
9992, 10864, 11340, 11513, 11718, 11632, 11239, 10671, 9882, 8758, 7503, 5884, 4121,  
2455, 343, -2025, -4093, -6329, -8660, -10824, -12925, -14905, -16561, -18176,  
-19542, -20330, -20986, -21426, -21231, -20744, -20123, -18818, -17203, -15413,  
-13169, -10810, -8182, -5042, -2088, 856, 4139, 7297, 10151, 13182, 16002, 18319,  
20495, 22342, 23825, 25057, 25647, 25728, 25778, 25210, 23935, 22647, 21007, 18728,  
16323, 13639, 10762, 7854, 4659, 1398, -1538, -4586, -7748, -10371, -12713, -15057,  
-17063, -18673, -19923, -20669, -21221, -21530, -21151, -20505, -19792, -18480,  
-16884, -15207, -13331, -11311, -9060, -6656, -4455, -2414, -83, 2154, 3910, 5623,  
7319, 8675, 9769, 10550, 11196, 11760, 11831, 11580, 11436, 11032, 10235, 9387, 8569,  
7614, 6433, 5223, 4103, 3124, 2032, 826, -84, -846, -1674, -2329, -2869, -3296,  
-3599, -3832, -3947, -3866, -3783, -3720, -3489, -3147, -2834, -2542, -2211,  
-1821, -1419, -1125, -877, -525, -215, -49, 119, 290, 449, 515, 552, 597, 630, 583,  
540, 550, 521, 427, 355, 327, 292, 219, 160, 130, 104, 63, 29, 29, 9, -5, -5, -1, -5, -2,  
-4, 2, 6, -2, 1, 4

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10, 13, 14, 17, 18, 20, 22, 22, 23, 27, 32

**A301047 IHW T3**  $O(IT) = 230, O(PL) = 11$

1, 4, 12, 22, 40, 62, 96, 127, 166, 213, 257, 316, 369, 430, 480, 517, 549, 586, 599,  
583, 536, 498, 419, 317, 149, -32, -244, -476, -777, -1074, -1414, -1762, -2084,  
-2443, -2800, -3102, -3376, -3604, -3739, -3856, -3885, -3815, -3586, -3324,  
-2856, -2416, -1804, -997, -126, 723, 1730, 2809, 3978, 5116, 6183, 7212, 8373, 9302,  
10033, 10760, 11308, 11593, 11728, 11679, 11289, 10760, 9784, 8730, 7639, 6073, 4134,  
2301, 382, -1749, -4106, -6392, -8653, -10656, -12918, -15011, -16572, -18069,  
-19547, -20465, -21009, -21365, -21319, -20945, -20053, -18700, -17394, -15698,  
-13178, -10606, -8167, -5393, -2178, 960, 4172, 7134, 10146, 13316, 15896, 18144,  
20621, 22569, 23792, 24869, 25695, 25988, 25834, 25043, 24018, 22935, 20986, 18587,  
16380, 13919, 10801, 7715, 4679, 1554, -1478, -4696, -7709, -10165, -12795, -15307,  
-17016, -18464, -19918, -20881, -21349, -21445, -21085, -20676, -19843, -18423,  
-16915, -15424, -13340, -11127, -9106, -6861, -4541, -2285, 44, 1991, 3830, 5775,  
7342, 8565, 9740, 10723, 11268, 11654, 11811, 11693, 11475, 11001, 10226, 9517, 8586,  
7462, 6449, 5384, 4135, 3015, 1931, 903, -6, -879, -1703, -2354, -2866, -3330, -3597,  
-3765, -3968, -3938, -3803, -3687, -3458, -3186, -2861, -2516, -2167, -1848,  
-1461, -1094, -828, -550, -249, -39, 142, 320, 427, 506, 555, 578, 623, 618, 558, 524,  
492, 446, 375, 324, 271, 218, 176, 126, 92, 67, 38, 17, 8, -1, -4, -4, -2, -2, 0, -1, 3,  
4, 2, 0, 0, 1

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10, 13, 14, 17, 18, 20, 22, 22, 23, 27, 32

**A301048 IHW T4**  $O(IT) = 227, O(PL) = 11$

1, 4, 12, 24, 41, 65, 94, 129, 171, 216, 263, 318, 370, 434, 482, 522, 556, 580, 587,  
571, 553, 495, 406, 292, 155, -38, -249, -536, -798, -1060, -1420, -1808, -2110,  
-2442, -2810, -3124, -3386, -3595, -3751, -3869, -3878, -3697, -3601, -3364,  
-2821, -2277, -1777, -1003, -105, 858, 1865, 2812, 3960, 5238, 6258, 7237, 8400, 9347,  
10012, 10786, 11339, 11599, 11686, 11526, 11229, 10765, 9752, 8545, 7479, 5968, 4062,  
2205, 210, -1974, -4135, -6475, -8786, -10856, -12947, -15011, -16578, -18174,  
-19576, -20403, -20939, -21298, -21213, -20825, -20021, -18550, -17088, -15459,  
-13125, -10522, -7937, -5054, -2028, 1045, 4325, 7360, 10254, 13349, 16001, 18235,  
20613, 22543, 23738, 24812, 25639, 25900, 25715, 24878, 23780, 22739, 20891, 18414,  
16128, 13648, 10597, 7610, 4566, 1378, -1707, -4826, -7746, -10241, -12849, -15329,  
-16971, -18424, -19922, -20857, -21193, -21251, -21012, -20579, -19706, -18211,  
-16750, -15228, -13208, -11034, -8989, -6720, -4345, -2131, -7, 1989, 3958, 5865,  
7314, 8482, 9726, 10717, 11213, 11504, 11739, 11690, 11398, 10814, 10142, 9435, 8517,  
7410, 6347, 5294, 4062, 2958, 1950, 924, -66, -952, -1693, -2276, -2818, -3327,  
-3615, -3739, -3871, -3902, -3798, -3642, -3409, -3138, -2853, -2508, -2126,  
-1803, -1459, -1108, -821, -533, -260, -32, 141, 294, 407, 501, 571, 577, 588, 585,  
565, 526, 487, 432, 378, 321, 271, 214, 167, 133, 99, 63, 38, 22, 7, 2, -5, -1, 0, 3, 1, 4,  
1, 0, 1

10, 13, 14, 17, 18, 20, 22, 22, 23, 27, 32

**A301049 IHW T5**  $O(IT) = 194, O(PL) = 11$

1, 4, 12, 25, 40, 62, 89, 117, 136, 131, 130, 127, 103, 54, 16, -23, -55, -122, -194,  
-245, -271, -326, -351, -379, -358, -373, -366, -383, -378, -409, -365, -345,  
-268, -215, -106, 20, 170, 253, 384, 500, 653, 755, 879, 959, 1032, 1112, 1136, 1105,  
1036, 956, 927, 919, 721, 601, 513, 421, 150, -125, -387, -495, -733, -954, -1179,  
-1176, -1386, -1539, -1682, -1753, -1859, -1815, -1827, -1637, -1583, -1515,  
-1340, -1095, -1024, -884, -619, -224, 88, 359, 622, 973, 1306, 1374, 1515, 1728,  
1859, 1989, 2112, 2096, 2151, 2102, 2012, 1867, 1714, 1452, 1368, 1291, 1016, 642, 459,  
163, -146, -547, -920, -1033, -1085, -1386, -1524, -1553, -1630, -1765, -1820,  
-1866, -1792, -1667, -1573, -1423, -1177, -1137, -969, -697, -553, -432, -165,  
67, 356, 541, 613, 728, 939, 945, 938, 1017, 1075, 1112, 1159, 1055, 977, 927, 758, 619,  
511, 359, 257, 210, 82, -71, -198, -270, -359, -383, -447, -421, -363, -356, -385,  
-345, -359, -355, -337, -274, -239, -181, -140, -67, -23, 8, 28, 92, 133, 134, 138,  
142, 133, 105, 64, 43, 25, 8, -1, -5, -1, -4, -3, 0, 2, -1, 1, 1, 1, 1

5, 6, 7, 11, 13, 17, 20, 22, 23, 27, 32

**A301050 IHW T6**  $O(IT) = 214, O(PL) = 11$

1, 4, 12, 22, 37, 64, 91, 116, 144, 163, 172, 178, 204, 193, 182, 186, 166, 141, 136, 73,  
18, 2, -97, -190, -241, -364, -543, -590, -748, -874, -976, -1087, -1177, -1087,  
-1252, -1242, -1127, -1056, -1049, -862, -763, -530, -313, -78, 205, 597, 875,  
1145, 1679, 2016, 2215, 2554, 2983, 3147, 3369, 3340, 3517, 3579, 3523, 3126, 3127, 2872,  
2455, 1935, 1719, 957, 412, -211, -881, -1523, -2185, -3189, -3529, -3987, -4878,  
-5395, -5547, -5943, -6206, -6248, -6457, -6103, -5817, -5755, -5265, -4396,  
-4251, -3416, -2407, -1711, -953, 207, 899, 2183, 3076, 3589, 4500, 5710, 5944, 6414,  
7094, 7330, 7446, 7695, 7374, 7316, 7241, 6436, 6004, 5817, 4691, 3733, 3336, 2243, 1196,  
338, -792, -1568, -2168, -3421, -4134, -4304, -5093, -5787, -5734, -6109, -6415,  
-6202, -6267, -6077, -5521, -5485, -5043, -4037, -3739, -3329, -2260, -1657,  
-1113, -240, 294, 837, 1678, 1884, 2232, 2965, 3081, 3061, 3622, 3529, 3458, 3566, 3328,  
3103, 3129, 2576, 2276, 2163, 1684, 1209, 1055, 617, 225, 22, -314, -565, -653, -929,  
-1104, -990, -1151, -1247, -1181, -1171, -1195, -1053, -1036, -917, -761, -641,  
-575, -362, -283, -209, -85, 19, 9, 100, 133, 145, 180, 178, 153, 200, 200, 172, 185,  
173, 149, 128, 112, 67, 42, 18, 8, -10, -5, -9, 0, 3, 2, -2, 6, 2

5, 7, 13, 17, 18, 20, 22, 22, 23, 27, 32

**A301051 IHW T7**  $O(IT) = 209, O(PL) = 11$

1, 4, 12, 24, 38, 62, 97, 136, 164, 199, 235, 269, 311, 329, 311, 320, 288, 240, 189, 118,  
-7, -75, -228, -364, -483, -689, -881, -968, -1137, -1351, -1511, -1566, -1659,  
-1665, -1735, -1751, -1494, -1318, -1239, -926, -561, -310, 225, 666, 979, 1550,  
2065, 2448, 3012, 3377, 3648, 4110, 4552, 4453, 4634, 4716, 4492, 4438, 4197, 3478,  
3091, 2669, 1824, 1070, 351, -799, -1434, -2139, -3388, -4214, -4769, -5733, -6389,  
-6762, -7601, -7828, -7735, -8165, -8079, -7641, -7558, -6855, -5985, -5540,  
-4653, -3265, -2508, -1319, 97, 999, 2214, 3701, 4547, 5585, 6786, 7410, 8124, 9070,  
9145, 9405, 9885, 9519, 9191, 9066, 8297, 7567, 7011, 5759, 4665, 3912, 2461, 1207, 315,  
-1135, -2312, -3133, -4377, -5401, -5912, -6787, -7428, -7555, -8070, -8171,  
-7828, -7853, -7665, -6973, -6464, -5876, -4930, -4314, -3571, -2358, -1621,  
-859, 230, 944, 1594, 2543, 3086, 3439, 4091, 4314, 4514, 4814, 4659, 4486, 4528, 4241,  
3783, 3461, 3051, 2548, 2226, 1615, 1057, 686, 289, -184, -510, -886, -1208, -1345,  
-1501, -1702, -1714, -1739, -1711, -1589, -1480, -1408, -1228, -1029, -869,  
-680, -561, -393, -218, -87, -16, 85, 174, 265, 308, 319, 308, 331, 314, 296, 247, 207,  
169, 148, 99, 66, 42, 17, 6, 7, -1, -9, -4, 1, 0, 0, -4, 0, 8

7, 10, 11, 13, 17, 18, 20, 22, 23, 27, 32

**A301052 IHW T8**  $O(IT) = 227, O(PL) = 11$

1, 4, 12, 22, 37, 65, 99, 128, 164, 210, 261, 315, 371, 421, 482, 529, 551, 562, 610, 601, 532, 484, 423, 321, 170, -62, -246, -430, -799, -1137, -1372, -1703, -2142, -2500, -2778, -3048, -3385, -3660, -3788, -3763, -3905, -3920, -3554, -3207, -2963, -2456, -1740, -940, -167, 669, 1744, 2976, 3968, 4959, 6238, 7467, 8295, 9148, 10171, 10809, 11345, 11570, 11687, 11767, 11342, 10500, 9880, 8985, 7445, 5804, 4326, 2363, 313, -1921, -4200, -6300, -8505, -11056, -12971, -14632, -16803, -18337, -19337, -20425, -21094, -21382, -21386, -20747, -19935, -19099, -17370, -15061, -13388, -10954, -7916, -5136, -2249, 1028, 4019, 7325, 10414, 12960, 15916, 18731, 20338, 22191, 24135, 25074, 25540, 25896, 25734, 25178, 24273, 22436, 20834, 19100, 16237, 13431, 11035, 7793, 4488, 1542, -1621, -4699, -7502, -10580, -12906, -14765, -17165, -18943, -19752, -20600, -21435, -21427, -21241, -20628, -19466, -18651, -17108, -14939, -13354, -11465, -8870, -6637, -4649, -2259, -62, 2088, 4114, 5500, 7154, 8947, 9806, 10322, 11325, 11809, 11753, 11733, 11306, 10943, 10467, 9319, 8439, 7710, 6454, 5085, 4224, 3157, 1909, 853, -110, -848, -1523, -2449, -3015, -3145, -3542, -3929, -3921, -3871, -3822, -3647, -3529, -3167, -2799, -2546, -2234, -1750, -1451, -1194, -817, -483, -258, -43, 106, 313, 472, 496, 522, 601, 629, 591, 574, 528, 492, 440, 378, 316, 277, 219, 170, 136, 95, 52, 43, 17, 13, 2, -7, -5, 0, -1, 0, 0, -4, 6, 4

10, 13, 14, 17, 18, 20, 22, 22, 23, 27, 32

**A301053 IHW T9**  $O(IT) = 227, O(PL) = 11$

1, 4, 12, 24, 36, 62, 95, 132, 169, 204, 250, 322, 387, 426, 464, 524, 561, 578, 601, 591, 537, 484, 433, 312, 167, -64, -247, -471, -731, -1129, -1437, -1708, -2110, -2477, -2759, -3146, -3378, -3547, -3811, -3843, -3869, -3856, -3586, -3207, -2996, -2398, -1733, -1006, -178, 822, 1641, 2811, 4132, 5036, 6139, 7366, 8225, 9339, 10228, 10620, 11259, 11736, 11703, 11636, 11402, 10571, 9844, 8917, 7485, 5935, 4348, 2198, 306, -1628, -4268, -6508, -8383, -10877, -12939, -14897, -16816, -18150, -19234, -20573, -21246, -21261, -21355, -20888, -19884, -18984, -17502, -15273, -13268, -10784, -7956, -5397, -2264, 1294, 3984, 7095, 10449, 13200, 15873, 18465, 20417, 22347, 24186, 24983, 25493, 25979, 25661, 25170, 24432, 22528, 20635, 18957, 16423, 13637, 10957, 7575, 4518, 1733, -1637, -4726, -7576, -10473, -12863, -14894, -17153, -18896, -19686, -20657, -21427, -21477, -21323, -20543, -19447, -18557, -17196, -15172, -13361, -11166, -8841, -6918, -4712, -2186, 97, 2084, 3887, 5596, 7232, 8833, 9801, 10469, 11320, 11666, 11828, 11755, 11349, 10855, 10441, 9535, 8462, 7446, 6415, 5355, 4272, 3027, 1807, 878, 26, -861, -1604, -2384, -3040, -3219, -3512, -3818, -3954, -3956, -3845, -3615, -3440, -3236, -2864, -2478, -2180, -1833, -1495, -1149, -760, -495, -320, -61, 172, 305, 447, 513, 534, 575, 608, 632, 597, 501, 457, 455, 416, 311, 254, 230, 183, 118, 89, 70, 38, 19, 6, 1, -7, -9, 2, 5, 0, -2, -2, 6, 2

10, 13, 14, 17, 18, 20, 22, 22, 23, 27, 32

**A301054 IMF T1**  $O(IT) = 302, O(PL) = 8$

1, 4, 12, 21, 38, 61, 80, 98, 118, 143, 164, 170, 196, 215, 234, 234, 207, 202, 206, 202, 168, 140, 118, 97, 87, 43, 27, -6, -43, -85, -125, -120, -142, -149, -163, -199, -228, -243, -232, -210, -191, -205, -209, -206, -178, -174, -218, -214, -250, -273, -284, -329, -348, -400, -441, -501, -559, -571, -585, -550, -525, -530, -540, -515, -462, -387, -317, -284, -190, -101, -42, 48, 117, 214, 273, 309, 370, 404, 519, 577, 573, 593, 539, 528, 526, 542, 569, 497, 457, 423, 385, 412, 394, 379, 376, 381, 394, 425, 456, 467, 476, 433, 418, 384, 382, 433, 371, 327, 188, 119, 150, 60, 9, -77, -130, -157, -244, -274, -346, -348, -381, -473, -480, -447, -401, -419, -405, -408, -418, -361, -307, -216, -171, -151, -130, -129, -48, -32, -38, -7, -5, 37, 43, 76, 131, 130, 154, 156, 203, 277, 338, 418, 424, 409, 399, 407, 461, 459, 457, 382, 358, 369, 292, 249, 174, 148, 57, -43, -50, -117, -101, -190, -320, -364, -419, -385, -412, -420, -418, -475, -471, -467, -420, -407, -398, -405, -409, -371, -395, -372, -407, -467, -478, -555, -535, -533, -529, -509, -589, -573, -579, -527, -401, -391, -336, -293, -190, -104, -65, 31, 92, 192, 258, 302, 370, 456, 540, 524, 532, 536, 546, 578, 558, 575, 517, 466, 422, 346, 348, 288, 263, 250, 205, 220, 184, 188, 195, 191, 199, 172, 209, 225, 231, 242, 206, 176, 140, 142, 129, 117, 87, 39, 28, -11, -38, -84, -117, -114, -146, -169, -194, -197, -192, -213, -232, -233, -217, -202, -183, -162, -139, -115, -105, -93, -73, -44, -20, -15, 1, 8, 2, 5, 3, -1, 0, 4, -2, 2, 5, -1, 0, -6, -3, -1, 1, 3, -2, 1, 0, 0, 1, -1

4, 11, 15, 23, 40, 43, 49, 94



**A301055 IMF T2**  $O(IT) = 301, O(PL) = 7$

1, 4, 12, 22, 37, 58, 94, 129, 161, 196, 248, 316, 370, 409, 456, 522, 602, 639, 660, 703, 752, 787, 795, 802, 814, 833, 818, 792, 775, 758, 720, 670, 625, 578, 518, 494, 448, 382, 299, 226, 211, 197, 131, 48, -9, -27, -62, -142, -234, -304, -385, -491, -597, -705, -825, -980, -1121, -1258, -1415, -1553, -1682, -1798, -1905, -2040, -2152, -2218, -2225, -2261, -2338, -2336, -2284, -2238, -2181, -2111, -2057, -1937, -1791, -1665, -1545, -1397, -1261, -1118, -965, -811, -735, -602, -451, -332, -228, -149, -76, 53, 156, 250, 331, 439, 566, 691, 787, 891, 1001, 1123, 1228, 1318, 1411, 1473, 1540, 1641, 1678, 1643, 1628, 1648, 1671, 1621, 1547, 1447, 1393, 1361, 1238, 1073, 1007, 916, 771, 649, 572, 472, 366, 271, 190, 116, 71, 18, -15, -2, -52, -126, -107, -55, -51, -93, -128, -64, -6, -1, 5, 59, 125, 185, 251, 357, 447, 550, 666, 767, 874, 990, 1087, 1208, 1351, 1412, 1430, 1517, 1648, 1661, 1626, 1645, 1663, 1650, 1652, 1548, 1462, 1418, 1360, 1219, 1107, 1019, 907, 782, 712, 576, 444, 338, 251, 150, 72, -56, -152, -234, -327, -443, -586, -716, -815, -947, -1097, -1267, -1397, -1507, -1653, -1787, -1922, -2052, -2126, -2150, -2221, -2301, -2338, -2321, -2286, -2230, -2201, -2170, -2057, -1894, -1820, -1720, -1556, -1413, -1277, -1136, -994, -851, -710, -594, -510, -399, -295, -235, -151, -68, -23, -3, 50, 121, 193, 214, 229, 294, 381, 441, 488, 518, 572, 620, 680, 723, 743, 776, 796, 813, 830, 827, 794, 793, 799, 757, 693, 669, 644, 601, 533, 469, 403, 378, 331, 252, 192, 170, 136, 96, 61, 38, 18, 17, 5, -4, -7, 2, 0, -1, -1, 0, -3, -2, -1, -2, 0, 1, -1, -3, 0, 0, -1, 0, 1, 0, 0, 0, -1, 0, 1

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11, 15, 23, 40, 43, 49, 94

**A301056 IMF T3**  $O(IT) = 299, O(PL) = 8$

1, 4, 12, 21, 39, 56, 76, 100, 119, 142, 161, 174, 195, 218, 227, 231, 211, 203, 210, 192, 168, 145, 117, 107, 88, 47, 14, -14, -37, -79, -113, -107, -145, -152, -167, -201, -215, -235, -221, -223, -203, -201, -219, -190, -180, -181, -223, -244, -234, -268, -278, -317, -360, -403, -462, -496, -544, -562, -554, -572, -539, -538, -525, -501, -470, -362, -343, -297, -193, -113, -10, 47, 121, 159, 231, 341, 370, 439, 502, 547, 557, 567, 575, 536, 549, 553, 526, 490, 452, 459, 424, 403, 389, 354, 376, 399, 433, 448, 434, 458, 434, 421, 448, 430, 401, 369, 360, 297, 213, 160, 130, 60, -9, -47, -153, -168, -176, -287, -332, -397, -396, -430, -450, -392, -453, -446, -421, -422, -375, -368, -291, -241, -206, -148, -150, -96, -54, -38, -57, -44, 33, 54, 51, 75, 110, 118, 119, 187, 233, 299, 348, 361, 395, 418, 451, 429, 411, 477, 435, 387, 386, 352, 310, 224, 177, 113, 46, 37, -38, -110, -144, -217, -292, -344, -361, -393, -417, -429, -443, -465, -467, -436, -439, -438, -421, -400, -373, -380, -381, -406, -442, -455, -490, -515, -519, -516, -545, -581, -570, -552, -553, -511, -442, -391, -346, -257, -197, -135, -29, 11, 72, 175, 261, 344, 374, 451, 478, 496, 555, 537, 572, 566, 563, 565, 499, 474, 414, 391, 354, 287, 267, 228, 248, 225, 190, 179, 183, 199, 178, 198, 221, 229, 231, 204, 200, 180, 167, 148, 104, 120, 89, 33, 28, -17, -37, -72, -112, -124, -155, -146, -177, -200, -199, -225, -226, -222, -216, -207, -188, -164, -147, -128, -108, -83, -62, -38, -31, -19, -1, 1, 10, 0, 0, 1, -5, 4, 1, 4, 4, -3, -1, -2, -2, 1, 2, 2, 0, -1

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4, 11, 15, 23, 40, 43, 49, 94

**A301057 IMF T4**  $O(IT) = 303, O(PL) = 8$

1, 4, 12, 23, 38, 57, 75, 99, 123, 140, 155, 178, 198, 210, 225, 226, 221, 226, 206, 180, 170, 146, 131, 104, 80, 62, 18, -10, -55, -91, -100, -123, -144, -168, -188, -204, -216, -209, -216, -233, -228, -206, -192, -181, -175, -199, -206, -222, -256, -265, -281, -303, -361, -424, -457, -501, -509, -541, -568, -565, -599, -556, -509, -486, -434, -423, -371, -290, -190, -89, -22, 55, 121, 173, 239, 333, 416, 469, 520, 530, 527, 556, 596, 603, 553, 527, 475, 460, 504, 472, 433, 383, 343, 346, 356, 420, 446, 446, 444, 403, 430, 443, 448, 463, 406, 355, 317, 289, 259, 232, 143, 8, -49, -87, -94, -127, -197, -271, -387, -421, -420, -423, -411, -433, -457, -480, -425, -390, -376, -301, -287, -284, -245, -152, -80, -56, -41, -86, -81, -22, 19, 77, 93, 83, 58, 70, 157, 221, 268, 276, 293, 362, 380, 425, 473, 450, 435, 421, 402, 419, 430, 391, 308, 210, 140, 100, 65, 60, -1, -130, -210, -257, -284, -314, -350, -407, -474, -459, -434, -442, -415, -435, -466, -456, -436, -391, -356, -337, -357, -426, -470, -485, -466, -451, -508, -555, -582, -592, -541, -517, -531, -519, -487, -442, -341, -243, -176, -110, -72, 3, 72, 163, 293, 361, 415, 431, 460, 511, 559, 612, 572, 556, 553, 515, 516, 495, 447, 364, 314, 279, 254, 266, 233, 213, 195, 168, 164, 161, 206, 227, 225, 217, 187, 212, 206, 190, 190, 137, 117, 104, 87, 71, 34, -9, -61, -87, -114, -127, -140, -158, -169, -214, -229, -227, -222, -209, -215, -200, -193, -164, -132, -131, -101, -87, -71, -40, -31, -8, 1, 2, 5, -1, 6, 4, 4, 9, -1, 2, 5, -5, -2, -1, -5, 0, 0, -1, 0, 0, 1, 0, 0, 0, -1

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4, 11, 15, 23, 40, 43, 49, 94

**A301058 IMF T5**  $O(IT) = 304, O(PL) = 8$

1, 4, 12, 24, 38, 58, 80, 102, 120, 145, 159, 178, 199, 202, 228, 228, 225, 213, 191, 186, 163, 148, 121, 96, 85, 51, 22, -19, -46, -82, -104, -119, -145, -157, -179, -196, -212, -211, -216, -229, -220, -211, -190, -176, -184, -197, -223, -223, -248, -272, -290, -314, -354, -420, -470, -514, -515, -528, -574, -571, -584, -537, -493, -477, -435, -421, -350, -273, -178, -73, -28, 41, 104, 168, 257, 323, 411, 450, 493, 527, 534, 567, 574, 569, 548, 516, 494, 471, 490, 474, 432, 367, 334, 382, 390, 440, 433, 418, 462, 439, 444, 428, 427, 445, 407, 375, 306, 291, 236, 191, 129, 18, -31, -84, -94, -135, -207, -270, -382, -387, -404, -412, -416, -449, -426, -458, -419, -391, -389, -322, -295, -247, -218, -182, -89, -75, -49, -69, -86, -29, 39, 74, 58, 61, 74, 87, 169, 201, 252, 295, 299, 376, 406, 431, 441, 432, 446, 420, 428, 406, 392, 380, 277, 210, 135, 115, 78, 26, -20, -117, -187, -237, -267, -311, -375, -404, -445, -418, -426, -447, -441, -459, -422, -455, -439, -373, -375, -347, -387, -433, -444, -473, -471, -503, -508, -549, -570, -569, -574, -523, -525, -512, -461, -421, -323, -261, -163, -110, -65, 28, 68, 183, 271, 345, 411, 410, 474, 495, 543, 595, 557, 562, 524, 533, 517, 463, 442, 372, 326, 285, 262, 254, 239, 235, 175, 180, 181, 188, 217, 210, 224, 211, 213, 209, 201, 196, 154, 147, 125, 92, 83, 45, 28, -14, -51, -81, -108, -119, -147, -160, -175, -191, -208, -237, -220, -216, -208, -197, -191, -157, -149, -125, -103, -86, -49, -46, -36, -16, -5, 6, 5, 1, -4, 1, -4, -1, 5, 2, 1, 0, -3, -1, 2, 2, 1, 1, 0, -2, 0, 1, 0, 1, 0, -1

4, 11, 15, 23, 40, 43, 49, 94

**A301059 IMF T6**  $O(IT) = 300, O(PL) = 7$

1, 4, 12, 24, 40, 60, 91, 126, 167, 204, 250, 306, 364, 415, 474, 534, 586, 630, 664, 710, 747, 781, 792, 798, 825, 831, 810, 796, 777, 752, 705, 674, 637, 589, 530, 477, 423, 368, 316, 243, 197, 183, 118, 54, 6, -23, -77, -165, -223, -297, -386, -477, -598, -712, -840, -976, -1127, -1271, -1396, -1557, -1688, -1814, -1902, -2027, -2147, -2200, -2247, -2275, -2310, -2321, -2286, -2258, -2175, -2112, -2034, -1919, -1812, -1674, -1548, -1382, -1243, -1122, -958, -814, -713, -596, -449, -330, -245, -132, -57, 47, 150, 245, 337, 425, 566, 673, 771, 935, 1017, 1110, 1200, 1324, 1430, 1474, 1551, 1606, 1653, 1666, 1654, 1647, 1625, 1607, 1542, 1464, 1419, 1335, 1234, 1092, 1023, 896, 749, 652, 581, 488, 345, 255, 191, 109, 81, 6, -36, -23, -34, -79, -99, -52, -69, -111, -88, -40, -24, -23, 22, 82, 120, 188, 225, 332, 473, 572, 653, 761, 890, 1017, 1087, 1208, 1319, 1403, 1461, 1545, 1616, 1644, 1645, 1645, 1656, 1634, 1604, 1557, 1487, 1438, 1351, 1207, 1108, 1014, 925, 777, 689, 577, 437, 345, 259, 143, 34, -72, -144, -237, -320, -441, -582, -701, -803, -973, -1120, -1242, -1374, -1519, -1662, -1792, -1911, -2034, -2125, -2185, -2253, -2285, -2307, -2304, -2270, -2251, -2214, -2150, -2049, -1906, -1822, -1699, -1552, -1399, -1274, -1145, -987, -861, -726, -591, -482, -376, -293, -225, -167, -83, -25, -3, 62, 128, 186, 201, 242, 307, 362, 417, 473, 519, 598, 639, 671, 711, 748, 770, 791, 808, 832, 829, 811, 794, 780, 749, 707, 659, 634, 600, 534, 480, 418, 365, 314, 254, 204, 165, 128, 97, 57, 44, 19, 12, 0, 1, -4, -4, 2, 4, 1, 2, -2, 0, -3, -1, -1, 2, 1, -1, -3, -2, 0, 1, -1, 1, 0, 0, 0, 1

11, 15, 23, 40, 43, 49, 94

**A301060 IMF T7**  $O(IT) = 297, O(PL) = 7$

1, 4, 12, 21, 38, 60, 89, 123, 161, 202, 249, 304, 358, 416, 471, 523, 584, 640, 677, 702, 743, 784, 812, 817, 799, 823, 837, 808, 770, 738, 729, 691, 619, 566, 543, 512, 426, 336, 293, 267, 227, 158, 110, 69, 14, -48, -94, -128, -204, -311, -403, -481, -566, -704, -846, -969, -1111, -1273, -1420, -1539, -1661, -1796, -1937, -2062, -2128, -2198, -2255, -2282, -2320, -2342, -2317, -2252, -2172, -2108, -2062, -1950, -1799, -1669, -1553, -1405, -1238, -1086, -973, -852, -713, -553, -431, -341, -254, -150, -38, 52, 158, 265, 328, 417, 542, 686, 799, 896, 1007, 1116, 1225, 1317, 1388, 1492, 1587, 1628, 1629, 1646, 1671, 1669, 1659, 1609, 1543, 1462, 1381, 1353, 1287, 1122, 966, 865, 796, 696, 547, 436, 374, 299, 166, 54, 48, 78, 8, -82, -96, -60, -71, -79, -75, -72, -87, -101, -60, 38, 79, 51, 57, 171, 287, 348, 413, 551, 691, 777, 855, 969, 1119, 1252, 1307, 1384, 1463, 1530, 1624, 1673, 1677, 1660, 1622, 1625, 1647, 1591, 1495, 1401, 1348, 1247, 1108, 1003, 918, 810, 687, 549, 440, 344, 262, 148, 34, -51, -161, -270, -332, -411, -554, -713, -844, -959, -1081, -1236, -1383, -1523, -1645, -1787, -1942, -2039, -2109, -2179, -2251, -2315, -2330, -2307, -2289, -2248, -2198, -2163, -2084, -1942, -1800, -1676, -1565, -1433, -1272, -1134, -996, -863, -715, -571, -483, -408, -295, -182, -128, -112, -36, 21, 72, 123, 167, 232, 267, 279, 330, 421, 504, 527, 561, 618, 691, 726, 730, 763, 803, 830, 821, 812, 828, 809, 790, 749, 700, 675, 634, 596, 540, 475, 419, 362, 314, 259, 201, 159, 132, 100, 56, 38, 20, 6, 0, -9, -11, -2, 3, -2, -1, 2, -3, -1, 2, 0, 3, 4, 2, -1, -2, 0, -1, 1, 0, -1, 1

11, 15, 23, 40, 43, 49, 94

**A301061 IMF T8**  $O(IT) = 290, O(PL) = 7$

1, 4, 12, 23, 38, 60, 90, 126, 162, 205, 256, 308, 363, 416, 471, 526, 581, 638, 679,  
704, 739, 773, 799, 822, 825, 815, 807, 798, 783, 749, 716, 681, 630, 582, 532, 472,  
421, 373, 314, 248, 195, 162, 125, 69, 14, -38, -94, -151, -216, -290, -371, -480,  
-604, -729, -847, -964, -1115, -1273, -1405, -1539, -1688, -1832, -1930, -2018,  
-2115, -2193, -2267, -2310, -2303, -2293, -2286, -2263, -2200, -2126, -2038,  
-1907, -1782, -1680, -1550, -1401, -1260, -1110, -941, -806, -695, -581, -469,  
-356, -238, -125, -37, 40, 138, 225, 330, 460, 579, 674, 754, 877, 1025, 1144, 1245,  
1323, 1401, 1471, 1546, 1611, 1637, 1675, 1691, 1645, 1603, 1591, 1563, 1491, 1413, 1321,  
1207, 1109, 1027, 907, 772, 674, 550, 418, 347, 283, 201, 122, 59, -3, -37, -26, -35,  
-65, -80, -82, -78, -85, -73, -45, -26, -13, -3, 45, 127, 209, 278, 326, 415, 555, 669,  
764, 898, 1030, 1108, 1190, 1297, 1403, 1494, 1561, 1594, 1606, 1650, 1683, 1657, 1646,  
1622, 1541, 1463, 1417, 1351, 1246, 1139, 1024, 881, 771, 680, 570, 463, 351, 231, 127, 37,  
-42, -138, -233, -337, -466, -588, -690, -792, -934, -1112, -1267, -1395, -1522,  
-1661, -1785, -1913, -2028, -2112, -2204, -2269, -2284, -2285, -2298, -2310,  
-2263, -2202, -2136, -2032, -1930, -1829, -1694, -1551, -1421, -1274, -1109,  
-978, -864, -732, -599, -484, -371, -284, -222, -153, -93, -41, 14, 65, 127, 171,  
203, 242, 296, 373, 431, 472, 521, 570, 637, 690, 710, 738, 779, 801, 807, 816, 828, 825,  
800, 774, 741, 706, 684, 635, 583, 540, 476, 415, 362, 313, 259, 205, 167, 123, 87, 62, 36,  
23, 14, 3, -3, -1, 1, -1, 1, 3, 0, -2, -1, 0, 1, 1, -1, -2, -1

11, 15, 23, 40, 43, 49, 94

**A301062 IMF T9**  $O(IT) = 295, O(PL) = 8$

1, 4, 12, 25, 38, 53, 76, 103, 121, 138, 158, 180, 205, 211, 209, 219, 234, 231, 206, 179,  
159, 152, 132, 104, 82, 50, 18, -21, -50, -72, -99, -118, -149, -175, -195, -214,  
-205, -196, -210, -238, -248, -214, -173, -168, -187, -206, -217, -222, -235,  
-257, -279, -309, -363, -433, -478, -490, -506, -521, -550, -593, -600, -572,  
-512, -463, -448, -417, -364, -285, -179, -89, -17, 56, 109, 153, 230, 343, 445, 489,  
504, 508, 515, 554, 590, 607, 586, 522, 479, 464, 480, 491, 433, 366, 336, 342, 379, 420,  
458, 448, 411, 404, 401, 429, 480, 486, 432, 348, 286, 276, 280, 235, 129, 9, -50, -61,  
-100, -151, -199, -276, -372, -434, -434, -401, -387, -419, -470, -489, -458,  
-399, -341, -298, -277, -275, -254, -169, -76, -58, -74, -72, -58, -20, 33, 73,  
87, 79, 66, 65, 132, 239, 288, 295, 302, 322, 364, 421, 468, 476, 438, 407, 418, 422, 417,  
382, 293, 217, 147, 91, 74, 69, 18, -118, -243, -286, -286, -295, -343, -405, -450,  
-470, -461, -439, -429, -421, -441, -472, -438, -384, -349, -339, -372, -425,  
-484, -483, -447, -454, -479, -547, -608, -607, -568, -513, -499, -505, -491,  
-441, -348, -246, -173, -128, -55, 16, 73, 163, 276, 379, 422, 424, 434, 487, 573, 617,  
612, 570, 527, 515, 494, 475, 454, 393, 325, 287, 261, 234, 223, 215, 195, 171, 154, 164,  
198, 243, 245, 204, 186, 183, 201, 208, 190, 167, 122, 92, 78, 59, 28, -11, -48, -83,  
-105, -134, -147, -151, -173, -205, -242, -240, -215, -201, -200, -204, -186,  
-170, -153, -126, -107, -77, -56, -52, -33, -12, 2, 9, 6, 4, 1, 4, 7, 4, 7, 3, -4, -3,  
-4, -4, -1, -1, -1

4, 11, 15, 23, 40, 43, 49, 94

**A301063 IMF T10**  $O(IT) = 301, O(PL) = 7$

1, 4, 12, 21, 41, 64, 89, 125, 161, 209, 253, 302, 356, 426, 480, 523, 569, 630, 688,  
715, 735, 765, 797, 826, 812, 819, 825, 808, 767, 735, 718, 697, 625, 577, 538, 491,  
414, 351, 308, 284, 203, 129, 100, 97, 37, -43, -117, -145, -211, -305, -391, -474,  
-568, -711, -867, -964, -1111, -1275, -1424, -1541, -1670, -1814, -1938, -2024,  
-2108, -2192, -2283, -2321, -2302, -2286, -2284, -2253, -2181, -2126, -2051,  
-1929, -1792, -1675, -1542, -1394, -1245, -1102, -967, -841, -690, -568, -466,  
-360, -241, -112, -19, 34, 122, 229, 345, 447, 562, 682, 784, 881, 1013, 1118, 1228,  
1325, 1398, 1474, 1575, 1616, 1631, 1661, 1698, 1655, 1596, 1585, 1577, 1512, 1414, 1298,  
1216, 1113, 1005, 871, 794, 694, 545, 417, 376, 300, 188, 72, 61, 43, -1, -83, -49, -11,  
-61, -140, -125, -63, -20, -73, -56, -7, 55, 56, 77, 186, 309, 329, 401, 555, 706,  
774, 871, 991, 1107, 1205, 1285, 1393, 1511, 1572, 1590, 1597, 1659, 1690, 1642, 1645,  
1625, 1559, 1482, 1420, 1343, 1247, 1106, 1003, 897, 795, 676, 564, 462, 361, 228, 122, 26,  
-27, -115, -243, -352, -446, -569, -693, -834, -948, -1105, -1251, -1382, -1529,  
-1651, -1774, -1934, -2042, -2113, -2183, -2255, -2285, -2290, -2295, -2319,  
-2274, -2205, -2126, -2030, -1948, -1830, -1674, -1563, -1417, -1267, -1124,  
-999, -875, -715, -565, -480, -390, -313, -194, -146, -123, -42, 39, 84, 103, 132,  
226, 274, 306, 340, 413, 489, 536, 560, 637, 700, 716, 730, 765, 804, 823, 815, 817, 821,  
805, 775, 742, 717, 684, 625, 575, 540, 480, 425, 368, 312, 253, 202, 154, 131, 97, 68, 36,  
20, 9, 7, -5, 1, -1, -3, -3, 2, 2, 2, -2, 0, -4, -1, 1, 1, 0, 0, -2, -2, 0, 1, -1, 1, 0, 0,  
0, 1

11, 15, 23, 40, 43, 49, 94

**A301064 IMF T11**  $O(IT) = 301, O(PL) = 8$

1, 4, 11, 21, 36, 57, 76, 100, 122, 140, 164, 181, 199, 214, 219, 216, 211, 218, 211, 192,  
173, 140, 120, 105, 75, 44, 19, -6, -39, -70, -102, -125, -144, -157, -172, -205,  
-210, -217, -217, -206, -218, -208, -207, -204, -196, -199, -194, -213, -235,  
-272, -309, -333, -369, -407, -448, -477, -532, -564, -554, -560, -550, -548,  
-541, -510, -443, -362, -332, -273, -197, -138, -40, 39, 119, 196, 255, 326, 362,  
429, 502, 531, 561, 567, 564, 555, 550, 543, 529, 503, 451, 427, 411, 410, 415, 393, 386,  
389, 418, 433, 430, 458, 460, 447, 437, 402, 375, 379, 362, 295, 214, 167, 120, 55, 13, -56,  
-127, -169, -229, -283, -320, -345, -390, -443, -453, -447, -440, -425, -412,  
-412, -385, -342, -314, -255, -203, -156, -121, -120, -89, -49, -11, -2, -8, 16,  
43, 91, 117, 121, 150, 200, 238, 261, 328, 380, 402, 425, 429, 437, 442, 459, 430, 386,  
389, 337, 285, 245, 185, 141, 59, -1, -54, -111, -131, -209, -288, -327, -372, -398,  
-421, -438, -437, -441, -458, -459, -441, -418, -404, -405, -398, -401, -393,  
-395, -434, -449, -474, -520, -546, -552, -546, -541, -544, -563, -558, -505,  
-434, -390, -341, -270, -211, -125, -54, 19, 114, 182, 251, 293, 360, 452, 499, 534,  
538, 537, 557, 568, 562, 541, 517, 474, 422, 375, 341, 318, 290, 251, 208, 201, 202, 196,  
194, 187, 202, 210, 206, 205, 208, 223, 210, 179, 153, 134, 134, 115, 82, 44, 10, -13,  
-49, -70, -92, -112, -135, -172, -189, -207, -203, -206, -225, -220, -219, -206,  
-185, -165, -145, -130, -110, -92, -66, -39, -19, -11, -8, -2, -7, -2, 3, 3, 7, 4,  
3, 0, 0, 2, 0, 1, 1, -1, -1, 1, 1, 1, -1, -1

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4, 11, 15, 23, 40, 43, 49, 94

**A301065 IMF T12**  $O(IT) = 285, O(PL) = 7$

1, 4, 11, 23, 39, 62, 93, 131, 167, 201, 248, 311, 373, 415, 460, 527, 592, 635, 663,  
704, 752, 784, 790, 791, 820, 833, 812, 795, 785, 759, 702, 658, 638, 597, 530, 465,  
429, 385, 309, 229, 198, 193, 127, 33, -9, -13, -50, -156, -243, -302, -388, -493,  
-601, -691, -811, -990, -1156, -1280, -1390, -1536, -1692, -1808, -1908, -2036,  
-2153, -2202, -2218, -2267, -2325, -2336, -2290, -2230, -2169, -2109, -2032,  
-1936, -1828, -1681, -1514, -1367, -1243, -1126, -976, -832, -716, -585, -435,  
-318, -242, -171, -64, 62, 168, 245, 326, 435, 568, 674, 784, 923, 1030, 1094, 1176,  
1308, 1439, 1507, 1550, 1600, 1648, 1657, 1639, 1642, 1664, 1636, 1529, 1434, 1407, 1352,  
1230, 1099, 1004, 891, 744, 644, 597, 510, 350, 217, 175, 147, 79, 6, -10, 9, -49, -141,  
-115, -21, -27, -124, -138, -39, 7, -19, 3, 81, 147, 166, 208, 353, 516, 590, 627,  
732, 892, 1007, 1088, 1218, 1344, 1399, 1431, 1521, 1623, 1662, 1646, 1634, 1654, 1653,  
1610, 1564, 1511, 1434, 1313, 1191, 1102, 1026, 923, 796, 685, 563, 423, 327, 262, 182, 52,  
-74, -159, -225, -314, -447, -591, -703, -816, -974, -1132, -1238, -1351, -1505,  
-1682, -1825, -1924, -2015, -2098, -2171, -2232, -2282, -2333, -2331, -2271,  
-2222, -2206, -2155, -2049, -1922, -1808, -1695, -1550, -1408, -1290, -1152,  
-985, -821, -708, -606, -487, -387, -311, -250, -151, -40, -15, -20, 28, 134, 200,  
193, 224, 309, 389, 433, 460, 522, 596, 640, 656, 699, 758, 783, 791, 809, 830, 819, 797,  
794, 783, 756, 711, 668, 639, 595, 528, 466, 422, 371, 310, 252, 205, 168, 128, 91, 64, 43,  
25, 9, 2, 2, -1, -2, 0, 0, 0, -1, -2, -2, -1

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11, 15, 23, 40, 43, 49, 94

**A301066 IMF T13**  $O(IT) = 341, O(PL) = 8$

1, 4, 12, 20, 38, 63, 94, 118, 149, 202, 250, 270, 305, 362, 400, 413, 408, 412, 434, 449,  
397, 317, 321, 317, 254, 184, 130, 104, 34, -23, -105, -160, -167, -223, -284, -357,  
-351, -391, -422, -378, -423, -453, -453, -369, -332, -338, -297, -321, -282,  
-235, -230, -295, -307, -251, -340, -438, -507, -544, -592, -629, -643, -815,  
-828, -751, -715, -739, -744, -662, -665, -543, -407, -383, -287, -127, 16, -10,  
90, 266, 379, 498, 555, 573, 544, 677, 828, 729, 682, 611, 553, 489, 465, 425, 205, 120,  
71, -53, -162, -178, -135, -235, -235, -206, -308, -245, -91, 4, -96, -124, -52,  
5, 176, 237, 118, 85, 234, 350, 215, 237, 377, 373, 308, 258, 239, 242, 366, 338, 153, 115,  
179, 219, 188, 320, 326, 181, 314, 484, 584, 592, 686, 765, 719, 885, 925, 902, 956, 1097,  
1026, 813, 926, 1026, 997, 963, 858, 726, 631, 824, 714, 458, 366, 321, 177, 1, 1, -133,  
-313, -359, -496, -709, -760, -638, -754, -901, -966, -993, -998, -945, -829,  
-987, -1093, -972, -916, -897, -840, -743, -787, -745, -593, -552, -499, -351,  
-232, -303, -316, -202, -192, -167, -90, -157, -341, -371, -212, -208, -256,  
-315, -389, -369, -228, -220, -317, -273, -86, -122, -245, -178, -2, 63, 96, 58,  
1, 94, 247, 302, 201, 199, 249, 126, 148, 193, 87, -61, -142, -180, -375, -441, -442,  
-574, -613, -663, -714, -830, -705, -536, -586, -584, -522, -401, -254, -83, 2,  
-59, 124, 301, 377, 406, 517, 659, 666, 726, 732, 714, 775, 826, 794, 658, 650, 621, 567,  
527, 443, 374, 261, 298, 291, 235, 234, 254, 291, 280, 334, 334, 346, 432, 447, 424, 398,  
409, 397, 368, 361, 287, 215, 184, 158, 125, 35, -44, -96, -127, -171, -258, -318,  
-316, -338, -370, -448, -438, -408, -403, -412, -421, -355, -309, -290, -248,  
-217, -160, -128, -89, -80, -39, 0, -12, -2, 10, 11, -1, 7, 2, -6, 6, 2, -4, -4, 2,  
-2, -2, -2, -4, 0, 2, 2

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8, 11, 15, 23, 43, 49, 80, 94

**A301067 IMF T14**  $O(IT) = 342, O(PL) = 8$

1, 4, 12, 22, 34, 63, 92, 119, 159, 197, 231, 277, 322, 363, 385, 396, 417, 422, 442, 434, 373, 332, 340, 314, 231, 192, 147, 88, 36, -28, -89, -151, -147, -251, -296, -305, -335, -395, -442, -370, -427, -435, -452, -388, -321, -353, -308, -346, -252, -230, -257, -306, -321, -216, -360, -453, -507, -513, -592, -646, -664, -798, -790, -742, -731, -770, -710, -646, -692, -544, -378, -357, -301, -142, -45, 6, 171, 267, 302, 438, 580, 580, 564, 694, 770, 711, 676, 607, 564, 526, 499, 373, 174, 156, 82, -16, -140, -150, -160, -276, -203, -195, -254, -223, -114, -80, -132, -17, -35, -5, 121, 199, 144, 83, 254, 266, 243, 322, 319, 277, 283, 356, 301, 250, 305, 253, 189, 208, 214, 156, 172, 323, 308, 214, 323, 491, 600, 583, 663, 693, 778, 926, 922, 906, 925, 1065, 969, 863, 1026, 1012, 920, 848, 911, 799, 725, 757, 601, 520, 424, 345, 122, 22, 89, -146, -346, -440, -490, -609, -690, -705, -893, -898, -863, -923, -1023, -978, -858, -1003, -1036, -973, -897, -894, -874, -793, -810, -674, -593, -597, -501, -337, -246, -383, -296, -141, -148, -198, -179, -200, -271, -229, -242, -328, -287, -259, -347, -359, -289, -230, -278, -218, -148, -209, -154, -69, -16, 5, 39, 88, 50, 151, 191, 233, 200, 207, 222, 137, 186, 160, 76, -80, -139, -170, -347, -382, -488, -562, -638, -660, -704, -789, -642, -611, -642, -593, -443, -341, -283, -119, -75, 9, 171, 254, 341, 417, 556, 604, 623, 722, 732, 763, 759, 769, 767, 713, 690, 595, 565, 513, 475, 374, 258, 305, 292, 302, 205, 251, 294, 285, 353, 301, 393, 417, 434, 393, 374, 483, 390, 362, 295, 292, 258, 184, 160, 62, 72, -36, -109, -138, -171, -224, -299, -327, -361, -368, -395, -425, -434, -420, -408, -403, -358, -330, -296, -259, -191, -174, -136, -94, -67, -33, -24, -4, -16, 8, 15, 1, 5, 0, 0, -2, 4, 0, -4, 4, -2, 0, 0, 2, 2, 0, -2

8, 11, 15, 23, 43, 49, 80, 94

**A301068 IMF T15**  $O(IT) = 347, O(PL) = 8$

1, 4, 12, 19, 39, 62, 88, 123, 155, 195, 244, 282, 315, 347, 385, 415, 424, 416, 423, 401, 405, 375, 307, 276, 234, 219, 140, 112, 16, -50, -60, -126, -158, -277, -266, -342, -340, -333, -456, -401, -456, -373, -423, -414, -355, -392, -234, -310, -255, -326, -250, -206, -311, -290, -453, -380, -467, -485, -606, -771, -630, -740, -718, -821, -790, -733, -729, -551, -653, -578, -488, -315, -222, -191, -38, -38, 146, 330, 357, 386, 442, 670, 646, 672, 714, 649, 699, 687, 641, 430, 379, 420, 259, 160, 21, -56, -124, -104, -112, -295, -262, -210, -143, -185, -162, -128, -143, -12, 70, 31, 2, 117, 186, 191, 216, 228, 219, 279, 402, 315, 255, 295, 334, 299, 250, 252, 145, 226, 244, 254, 126, 181, 334, 293, 404, 415, 521, 573, 721, 836, 705, 858, 902, 987, 923, 964, 992, 894, 1052, 955, 936, 814, 910, 878, 663, 752, 618, 553, 386, 339, 229, -25, 38, -179, -278, -462, -468, -598, -759, -650, -864, -903, -928, -844, -949, -1086, -869, -991, -968, -984, -930, -930, -884, -678, -863, -753, -628, -476, -462, -454, -285, -353, -182, -136, -208, -258, -220, -92, -273, -272, -270, -286, -304, -281, -290, -397, -303, -236, -226, -241, -173, -163, -159, -30, 12, -82, -26, 129, 151, 135, 155, 176, 184, 253, 299, 105, 103, 132, 119, -8, -143, -212, -377, -350, -435, -580, -705, -701, -613, -716, -695, -676, -643, -519, -427, -315, -372, -161, 9, 46, 140, 212, 358, 412, 562, 634, 557, 695, 748, 825, 746, 747, 739, 646, 772, 643, 555, 410, 451, 462, 293, 331, 214, 269, 265, 305, 273, 208, 398, 341, 415, 360, 410, 430, 397, 484, 335, 353, 312, 323, 238, 164, 183, 64, 48, -31, -69, -165, -184, -210, -308, -286, -373, -384, -423, -390, -403, -456, -407, -407, -342, -328, -287, -253, -224, -155, -140, -95, -69, -33, -27, -24, 9, -4, 1, 7, 3, -8, 4, 2, -4, 6, 6, -2, 2, 2, -2, 0, 6, 2, -2, 0, 0, 0, 2, 0, -2

8, 11, 15, 23, 43, 49, 80, 94

**A301069 IMF T16**  $O(IT) = 340, O(PL) = 8$

1, 4, 12, 21, 35, 62, 90, 123, 160, 198, 240, 284, 321, 361, 385, 400, 438, 420, 428, 398, 390, 370, 324, 284, 181, 218, 172, 95, 6, -66, -50, -130, -132, -302, -308, -285, -332, -354, -474, -394, -452, -362, -415, -436, -378, -374, -214, -307, -252, -330, -251, -208, -299, -261, -458, -401, -468, -482, -615, -749, -652, -766, -716, -808, -811, -778, -659, -530, -694, -596, -468, -301, -181, -152, -94, -59, 211, 335, 339, 387, 463, 627, 667, 705, 656, 662, 726, 704, 619, 398, 392, 405, 300, 174, -36, -77, -164, -65, -116, -305, -259, -243, -138, -188, -130, -134, -156, 57, 18, 12, 14, 152, 214, 190, 235, 122, 214, 377, 440, 304, 204, 267, 337, 364, 269, 191, 144, 244, 255, 173, 151, 234, 335, 286, 333, 403, 542, 634, 790, 754, 689, 849, 932, 1035, 927, 982, 913, 895, 1074, 954, 936, 806, 916, 814, 686, 770, 567, 614, 425, 350, 105, -37, 121, -161, -272, -528, -543, -592, -710, -650, -932, -876, -909, -887, -956, -1023, -859, -996, -901, -1017, -969, -925, -837, -642, -857, -786, -705, -482, -383, -408, -306, -406, -175, -124, -164, -244, -228, -112, -264, -250, -317, -327, -241, -229, -333, -462, -346, -210, -184, -169, -228, -261, -125, 13, 23, -45, -46, 88, 147, 197, 141, 154, 223, 274, 248, 83, 90, 144, 182, -17, -178, -263, -379, -302, -421, -584, -762, -715, -620, -706, -638, -718, -660, -519, -384, -324, -367, -125, -16, 84, 175, 164, 326, 436, 632, 595, 545, 679, 732, 889, 754, 718, 716, 691, 781, 607, 568, 412, 457, 442, 278, 315, 175, 297, 255, 309, 260, 188, 391, 355, 469, 350, 390, 419, 428, 522, 312, 365, 271, 326, 266, 156, 162, 28, 102, -49, -94, -159, -201, -188, -288, -308, -391, -373, -380, -408, -418, -453, -423, -385, -339, -336, -294, -266, -207, -156, -132, -100, -65, -19, -23, -6, -1, 4, 9, 1, -7, -4, 2, 0, -6, -2, 2, 2, 0, -2, -2, 2, 4, 2

8, 11, 15, 23, 43, 49, 80, 94

**A301070 IMF T17**  $O(IT) = 344, O(PL) = 8$

1, 4, 12, 22, 35, 57, 90, 126, 158, 193, 229, 278, 331, 353, 374, 406, 432, 441, 425, 407, 381, 372, 349, 281, 221, 176, 161, 111, 19, -47, -83, -116, -185, -244, -292, -303, -311, -406, -465, -418, -364, -403, -448, -411, -368, -338, -308, -284, -268, -258, -282, -310, -275, -243, -334, -483, -504, -495, -573, -668, -699, -719, -771, -786, -809, -776, -657, -608, -657, -634, -443, -288, -244, -177, -69, 37, 156, 270, 317, 408, 578, 638, 578, 619, 744, 740, 693, 663, 579, 474, 416, 385, 265, 175, 95, -97, -193, -128, -89, -223, -287, -223, -225, -201, -144, -107, -88, -9, 29, -79, 5, 231, 270, 156, 115, 185, 248, 387, 426, 277, 213, 306, 355, 276, 260, 271, 219, 185, 181, 154, 161, 322, 378, 247, 240, 422, 597, 647, 713, 755, 704, 797, 948, 996, 1015, 1009, 918, 849, 1012, 1087, 901, 813, 885, 887, 702, 616, 635, 590, 556, 326, 18, -40, 100, 30, -347, -538, -556, -594, -659, -744, -839, -911, -869, -924, -1065, -997, -827, -892, -1068, -1003, -918, -917, -863, -753, -712, -740, -680, -644, -508, -234, -196, -411, -438, -132, -27, -168, -230, -220, -204, -226, -270, -373, -326, -151, -250, -478, -441, -212, -127, -180, -202, -253, -209, -24, 50, -13, 1, 99, 91, 88, 201, 263, 224, 202, 196, 132, 138, 176, 92, -44, -137, -204, -343, -427, -408, -503, -656, -736, -743, -713, -637, -602, -692, -628, -421, -310, -296, -209, -11, 85, 150, 224, 283, 446, 609, 640, 565, 634, 794, 796, 772, 757, 748, 715, 671, 625, 544, 540, 509, 371, 245, 273, 346, 271, 219, 232, 276, 291, 302, 345, 375, 451, 424, 347, 383, 487, 478, 312, 262, 297, 287, 212, 113, 77, 47, 15, -99, -198, -183, -184, -258, -365, -383, -363, -381, -411, -448, -433, -402, -382, -361, -348, -290, -237, -219, -194, -145, -91, -60, -34, -21, -11, 12, 13, 6, 8, 8, 4, 0, -2, -2, 4, 2, -8, -6, 0, 2, 2, 0, 0, 0, 2, 0, -2

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8, 11, 15, 23, 43, 49, 80, 94

**A301071 IMF T18**  $O(IT) = 328, O(PL) = 8$

1, 4, 12, 21, 33, 55, 94, 136, 156, 181, 232, 293, 347, 360, 351, 385, 447, 466, 413, 378, 387, 394, 359, 263, 193, 184, 200, 111, -14, -63, -72, -95, -190, -265, -328, -311, -293, -376, -448, -455, -376, -377, -396, -439, -453, -330, -238, -223, -313, -329, -281, -235, -214, -317, -403, -465, -462, -478, -578, -694, -737, -694, -740, -812, -850, -778, -625, -562, -637, -699, -499, -234, -152, -177, -151, -11, 196, 372, 366, 343, 503, 664, 684, 636, 644, 670, 734, 769, 571, 370, 352, 409, 359, 182, 6, -154, -143, -60, -100, -233, -317, -248, -185, -178, -188, -155, -75, 32, 69, -69, -55, 190, 355, 268, 103, 92, 199, 427, 507, 284, 118, 245, 395, 325, 239, 209, 191, 235, 258, 142, 106, 286, 419, 341, 261, 342, 488, 714, 835, 747, 640, 746, 993, 1041, 988, 923, 911, 985, 1026, 1011, 875, 851, 933, 894, 700, 555, 590, 604, 571, 330, 0, -82, 51, 41, -305, -542, -580, -569, -605, -743, -878, -931, -826, -874, -1051, -1083, -971, -854, -908, -972, -1062, -1014, -762, -626, -697, -834, -730, -530, -387, -297, -338, -368, -286, -135, -151, -265, -244, -131, -134, -266, -362, -398, -249, -77, -217, -525, -510, -211, -77, -135, -247, -301, -199, 17, 53, -85, -39, 133, 172, 131, 145, 175, 247, 340, 269, 72, 14, 133, 168, 50, -148, -339, -398, -365, -372, -557, -740, -736, -657, -636, -695, -708, -641, -494, -351, -359, -407, -250, 53, 181, 160, 152, 221, 452, 679, 682, 548, 604, 800, 834, 788, 736, 714, 738, 732, 611, 446, 469, 496, 437, 327, 216, 212, 252, 352, 305, 225, 226, 295, 441, 433, 400, 362, 393, 457, 445, 401, 287, 302, 335, 291, 178, 86, 80, 52, 34, -97, -215, -205, -175, -244, -369, -383, -381, -377, -403, -457, -455, -395, -345, -370, -357, -291, -241, -196, -163, -135, -99, -56, -30, -23, -7, 1, 3, 4, 2, 0, -2

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8, 11, 15, 23, 43, 49, 80, 94

**A301072 IMF T19**  $O(IT) = 325, O(PL) = 8$

1, 4, 10, 21, 37, 61, 94, 126, 161, 196, 239, 290, 327, 355, 375, 408, 430, 419, 410, 415, 404, 361, 310, 271, 235, 197, 164, 81, 24, -19, -100, -150, -167, -197, -318, -364, -351, -357, -381, -436, -435, -434, -379, -400, -429, -331, -246, -224, -319, -311, -255, -214, -229, -348, -405, -456, -446, -517, -621, -666, -700, -718, -815, -797, -764, -738, -662, -624, -612, -611, -461, -314, -215, -99, -81, -54, 104, 337, 412, 418, 511, 561, 621, 690, 717, 706, 710, 716, 543, 407, 410, 408, 321, 148, -4, -148, -141, -82, -126, -207, -279, -265, -258, -186, -82, -75, -97, -68, 17, 14, 63, 200, 222, 179, 175, 190, 211, 326, 425, 347, 237, 250, 253, 267, 366, 332, 145, 86, 219, 249, 213, 245, 292, 312, 342, 417, 465, 647, 821, 780, 681, 749, 946, 991, 1003, 984, 938, 923, 948, 1009, 956, 958, 899, 740, 654, 687, 732, 543, 397, 275, 125, 32, -40, -108, -289, -393, -535, -705, -698, -647, -728, -931, -932, -944, -1016, -966, -913, -912, -998, -1009, -1025, -939, -722, -687, -798, -837, -623, -476, -430, -356, -327, -273, -247, -214, -250, -210, -89, -148, -305, -378, -277, -233, -243, -239, -342, -428, -347, -205, -180, -193, -179, -207, -194, -70, -11, -23, 36, 113, 82, 67, 187, 247, 263, 279, 222, 114, 68, 155, 148, 26, -144, -321, -394, -395, -401, -567, -705, -696, -690, -704, -711, -629, -563, -499, -428, -425, -336, -130, 52, 79, 91, 202, 305, 463, 593, 622, 622, 663, 750, 769, 802, 796, 731, 695, 680, 652, 504, 444, 451, 425, 346, 224, 215, 245, 331, 301, 221, 246, 334, 431, 376, 384, 423, 448, 436, 378, 370, 336, 363, 307, 216, 176, 142, 105, 15, -10, -77, -153, -199, -237, -259, -315, -355, -402, -416, -416, -420, -426, -420, -380, -357, -329, -290, -243, -203, -166, -122, -92, -60, -36, -23, -9, -3, 1, 2

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8, 11, 15, 23, 43, 49, 80, 94

**A301073 IMF T20**  $O(IT) = 336, O(PL) = 8$

1, 4, 11, 21, 35, 61, 97, 123, 152, 201, 249, 291, 324, 350, 375, 405, 427, 421, 422, 415,  
377, 333, 334, 320, 249, 169, 124, 91, 55, -6, -99, -163, -169, -221, -306, -343,  
-334, -363, -430, -444, -445, -399, -375, -388, -399, -367, -270, -254, -267,  
-271, -249, -244, -289, -323, -384, -432, -480, -528, -619, -684, -685, -742,  
-787, -759, -721, -758, -753, -649, -584, -525, -412, -357, -316, -168, -13, 12,  
145, 313, 351, 355, 496, 650, 674, 727, 711, 621, 663, 725, 633, 462, 406, 350, 184, 110,  
67, -18, -107, -153, -225, -274, -205, -126, -188, -229, -169, -93, -98, -34, 42,  
25, 54, 143, 127, 133, 268, 332, 231, 221, 351, 334, 294, 341, 325, 257, 277, 233, 121, 175,  
312, 223, 74, 177, 305, 341, 422, 467, 505, 588, 735, 758, 751, 913, 991, 930, 843, 930,  
1002, 1008, 1001, 932, 848, 847, 926, 878, 729, 739, 631, 449, 374, 399, 263, 25, -75,  
-210, -349, -398, -467, -645, -724, -685, -859, -984, -870, -774, -904, -1054,  
-1006, -998, -917, -848, -947, -1019, -895, -741, -782, -767, -569, -483, -492,  
-436, -331, -287, -180, -111, -212, -285, -179, -137, -247, -285, -225, -298,  
-374, -313, -310, -318, -241, -235, -333, -282, -108, -116, -183, -73, 3, -23,  
3, 76, 94, 178, 246, 182, 99, 202, 314, 213, 152, 106, 29, -55, -116, -185, -329, -393,  
-471, -639, -702, -655, -618, -714, -727, -681, -617, -522, -394, -335, -297,  
-170, -32, 3, 156, 324, 369, 373, 494, 624, 659, 731, 747, 733, 769, 813, 737, 661, 690,  
661, 535, 445, 430, 404, 326, 283, 234, 253, 280, 272, 240, 267, 380, 413, 367, 355, 414,  
452, 431, 419, 374, 334, 338, 306, 225, 173, 177, 99, -3, -42, -71, -131, -169, -240,  
-318, -337, -324, -371, -433, -415, -423, -432, -407, -381, -359, -325, -284,  
-258, -206, -146, -123, -100, -64, -31, -27, -7, -8, -3, 4, 3, -3, -2, 2, 2, 0, 0,  
-2, 0, 2, 2

8, 11, 15, 23, 43, 49, 80, 94

**A301074 IMF T21**  $O(IT) = 329, O(PL) = 7$

1, 4, 11, 20, 33, 59, 93, 124, 150, 189, 252, 311, 362, 406, 456, 526, 597, 639, 662, 712, 757,  
789, 808, 815, 828, 829, 837, 806, 772, 752, 729, 704, 636, 563, 491, 484, 466, 387, 284,  
205, 213, 199, 138, 57, 8, 49, 29, -14, -94, -122, -109, -141, -220, -334, -382, -434,  
-483, -587, -743, -864, -954, -995, -1117, -1225, -1321, -1410, -1425, -1486,  
-1565, -1615, -1588, -1536, -1556, -1581, -1586, -1474, -1322, -1229, -1251,  
-1247, -1087, -899, -772, -748, -736, -621, -531, -438, -445, -448, -408, -392,  
-420, -505, -537, -508, -504, -535, -623, -735, -746, -663, -641, -698, -760,  
-781, -737, -668, -614, -649, -671, -593, -544, -527, -495, -463, -374, -289,  
-287, -337, -338, -203, -94, -101, -175, -211, -146, -14, 43, -6, -41, 9, 148, 235,  
239, 348, 478, 638, 705, 718, 860, 1061, 1307, 1363, 1357, 1473, 1673, 1863, 1979, 2045,  
2056, 2158, 2304, 2410, 2480, 2471, 2534, 2510, 2540, 2531, 2448, 2459, 2441, 2363, 2193,  
2037, 2001, 1978, 1910, 1694, 1469, 1335, 1356, 1298, 1085, 873, 732, 728, 631, 459, 346,  
273, 269, 157, -5, -72, -23, 39, -26, -155, -197, -179, -148, -107, -192, -307,  
-321, -307, -312, -360, -418, -485, -529, -540, -588, -673, -645, -618, -652,  
-698, -774, -788, -718, -637, -638, -731, -746, -658, -549, -502, -513, -554,  
-508, -441, -420, -422, -456, -428, -424, -535, -634, -723, -721, -749, -883,  
-1061, -1233, -1241, -1224, -1316, -1461, -1549, -1601, -1587, -1551, -1575,  
-1589, -1564, -1510, -1450, -1413, -1313, -1247, -1117, -997, -957, -894, -776,  
-609, -479, -421, -401, -344, -228, -131, -82, -105, -71, -12, 36, 58, 16, 83, 148,  
201, 195, 182, 267, 387, 468, 471, 482, 548, 633, 688, 720, 760, 773, 809, 824, 824, 840,  
826, 812, 779, 759, 711, 671, 644, 609, 535, 457, 402, 358, 322, 268, 201, 157, 117, 92, 58,  
29, 21, 7, -3, -9, -10, -9, -1, 0, 0, -6, 2, 4, 4, 6, 4, 0, 4

11, 15, 23, 43, 49, 80, 94

**A301075 IMF T22**  $O(IT) = 334, O(PL) = 8$

1, 4, 11, 20, 35, 58, 81, 99, 116, 137, 159, 185, 199, 214, 221, 223, 234, 206, 209, 191, 161,  
169, 121, 112, 70, 49, 39, -13, -54, -112, -94, -106, -129, -190, -220, -216, -208,  
-156, -249, -234, -213, -219, -178, -176, -131, -147, -93, -111, -150, -146,  
-114, -101, -185, -168, -284, -288, -264, -296, -316, -466, -423, -438, -396,  
-306, -376, -380, -348, -284, -257, -210, -121, -53, 6, -3, 47, 80, 208, 336, 301,  
276, 260, 349, 442, 437, 435, 279, 231, 277, 240, 195, 158, 101, -31, -76, -116, -116,  
-84, -44, -71, -225, -208, -136, -44, 48, -20, -74, -133, -19, 144, 136, 140, 103,  
26, 64, 158, 208, 220, 194, 177, 106, 42, 124, 229, 189, 123, 21, -48, 87, 193, 227, 111,  
31, 135, 127, 297, 414, 389, 390, 340, 396, 397, 521, 605, 552, 447, 421, 468, 465, 594,  
535, 432, 328, 278, 400, 337, 406, 267, 49, 30, -2, -1, -50, -59, -188, -350, -403,  
-381, -320, -374, -360, -539, -616, -495, -448, -401, -476, -507, -574, -573,  
-419, -366, -374, -350, -342, -442, -352, -183, -91, -67, -127, -154, -232, -82,  
49, -19, -104, -190, -192, -139, -75, -59, -142, -229, -197, -218, -204, -58,  
-30, -60, -141, -157, -104, -26, 87, 117, 14, -62, 47, 116, 197, 209, 104, 45, 36,  
143, 104, 60, 70, -59, -147, -211, -238, -243, -241, -260, -400, -479, -436, -329,  
-288, -267, -317, -340, -237, -132, -14, 6, 14, 78, 72, 177, 255, 302, 360, 371, 378,  
318, 350, 431, 464, 427, 355, 309, 244, 321, 310, 214, 156, 111, 123, 99, 163, 128, 104,  
125, 127, 136, 133, 232, 227, 242, 217, 198, 197, 189, 262, 164, 146, 116, 99, 108, 49, 42,  
-44, -43, -81, -114, -132, -158, -131, -199, -203, -233, -234, -214, -224, -193,  
-206, -190, -167, -155, -114, -103, -82, -60, -47, -24, -9, -4, 5, 4, 9, -1, 4, 14,  
-2, 4, 2, -8, 0, -2, -4, 0, -2

4, 11, 15, 23, 43, 49, 80, 94

**A301076 IMF T23**  $O(IT) = 327, O(PL) = 7$

1, 4, 11, 22, 37, 66, 97, 120, 153, 208, 267, 296, 350, 425, 486, 532, 564, 611, 679, 748,  
741, 726, 812, 847, 813, 797, 831, 833, 754, 723, 720, 700, 650, 573, 507, 496, 452, 312,  
282, 308, 252, 103, 61, 142, 121, -2, -46, -25, -27, -84, -158, -169, -195, -287,  
-381, -494, -514, -609, -764, -845, -906, -1030, -1185, -1215, -1229, -1397,  
-1491, -1483, -1539, -1564, -1554, -1553, -1584, -1547, -1493, -1448, -1401,  
-1288, -1248, -1140, -999, -954, -935, -733, -599, -601, -636, -502, -412, -413,  
-441, -416, -462, -487, -502, -527, -571, -569, -613, -689, -709, -639, -701,  
-744, -686, -690, -746, -729, -632, -618, -631, -542, -590, -626, -436, -324,  
-422, -426, -308, -246, -285, -217, -148, -149, -157, -129, -148, -65, 18, -39,  
-45, 120, 148, 125, 229, 523, 557, 452, 598, 894, 1008, 1045, 1149, 1317, 1447, 1554,  
1637, 1763, 1968, 2074, 2031, 2158, 2364, 2389, 2397, 2504, 2605, 2442, 2427, 2576,  
2544, 2418, 2382, 2294, 2194, 2085, 2063, 1927, 1807, 1659, 1529, 1421, 1385, 1180, 1021,  
971, 938, 620, 439, 522, 558, 282, 82, 85, 149, 24, -34, -69, -55, -96, -128, -207,  
-152, -95, -210, -337, -275, -274, -393, -433, -347, -443, -594, -603, -549,  
-619, -602, -632, -745, -756, -681, -675, -723, -719, -666, -721, -664, -617,  
-583, -578, -513, -505, -521, -466, -392, -424, -426, -431, -493, -622, -610,  
-594, -721, -918, -968, -1008, -1116, -1217, -1301, -1397, -1436, -1472, -1573,  
-1582, -1525, -1543, -1600, -1536, -1485, -1486, -1420, -1235, -1206, -1179,  
-1065, -929, -835, -730, -634, -540, -481, -366, -310, -205, -140, -145, -121,  
-34, -10, -23, -29, 109, 158, 87, 84, 208, 332, 330, 296, 406, 490, 556, 560, 615, 694,  
748, 726, 728, 816, 852, 813, 796, 824, 833, 747, 743, 720, 701, 628, 562, 525, 490, 436,  
358, 297, 266, 204, 158, 116, 99, 68, 41, 14, 13, 7, 1, -4, 3, -1, -4, -2, 0, 0, 2, 0, -2,  
-2

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11, 15, 23, 43, 49, 80, 94

**A301077 IMF T24**  $O(IT) = 346, O(PL) = 8$

1, 4, 10, 22, 37, 61, 89, 112, 155, 211, 247, 271, 307, 356, 396, 417, 410, 395, 424, 455,  
393, 324, 323, 310, 255, 188, 134, 71, 52, 5, -113, -167, -154, -185, -305, -353, -360,  
-374, -365, -393, -435, -466, -405, -359, -365, -343, -325, -314, -310, -225,  
-213, -288, -331, -326, -333, -432, -466, -553, -618, -597, -666, -782, -841,  
-714, -695, -779, -741, -695, -608, -487, -405, -424, -343, -98, -1, 4, 101, 253,  
371, 471, 540, 521, 581, 722, 761, 700, 652, 630, 554, 509, 485, 384, 197, 86, 92, 21, -78,  
-153, -201, -230, -188, -161, -288, -247, -74, -56, -134, -121, -12, 49, 156, 172,  
21, 82, 321, 365, 216, 196, 298, 341, 367, 333, 213, 225, 347, 308, 152, 142, 254, 228, 194,  
228, 253, 298, 394, 506, 506, 552, 683, 750, 790, 896, 949, 844, 881, 1054, 1064, 917, 902,  
969, 940, 973, 879, 708, 720, 832, 712, 368, 347, 400, 268, 97, -98, -240, -304, -266,  
-460, -735, -723, -671, -761, -935, -946, -932, -939, -920, -991, -1040, -1008,  
-901, -909, -939, -859, -814, -791, -732, -531, -490, -557, -453, -318, -227,  
-235, -213, -249, -221, -74, -185, -349, -303, -157, -202, -357, -375, -367,  
-262, -139, -268, -426, -302, -58, -51, -179, -169, -79, 52, 115, 54, 23, 130, 268,  
229, 144, 183, 248, 233, 151, 90, 15, -49, -81, -163, -320, -449, -491, -582, -615,  
-601, -690, -794, -735, -561, -553, -561, -502, -426, -233, -83, -62, -76, 119,  
374, 374, 369, 441, 578, 726, 759, 719, 664, 777, 845, 748, 673, 632, 654, 581, 489, 421,  
381, 380, 314, 269, 225, 243, 279, 297, 329, 342, 352, 308, 380, 474, 460, 394, 336, 375,  
386, 376, 288, 189, 187, 172, 114, 4, -47, -59, -99, -175, -275, -312, -305, -306,  
-369, -445, -449, -404, -384, -414, -424, -366, -304, -283, -267, -232, -168,  
-111, -86, -86, -63, -17, -3, -6, -1, 4, -4, -2, 6, 2, 8, 6, -4, -2, 6, 6, 0, 2, 2, 0,  
0, 0, 0, 2, 2, -2, -2

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8, 11, 15, 23, 43, 49, 80, 94

**A301078 ITH T1**  $O(IT) = 74, O(PL) = 7$

1, 4, 9, 18, 35, 59, 82, 97, 105, 106, 92, 57, -1, -69, -135, -195, -252, -294, -304,  
-286, -245, -175, -91, -10, 67, 134, 182, 212, 220, 199, 176, 174, 171, 147, 128, 144,  
176, 186, 172, 137, 84, 24, -46, -133, -213, -265, -300, -315, -288, -233, -172,  
-102, -18, 57, 103, 123, 124, 114, 102, 81, 49, 21, 6, -5, -13, -11, -6, -4, -4, -4,  
-2, 3, 6, 4

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5, 5, 7, 8, 9, 11, 19

**A301079 ITH T2**  $O(IT) = 75, O(PL) = 7$

1, 4, 12, 22, 37, 54, 76, 91, 105, 102, 84, 52, 14, -58, -121, -197, -249, -298, -298,  
-293, -243, -190, -97, -16, 85, 136, 188, 204, 218, 200, 188, 157, 148, 134, 153, 163,  
170, 170, 174, 141, 100, 34, -56, -147, -205, -262, -308, -305, -281, -238, -174,  
-87, -17, 46, 84, 127, 121, 123, 98, 76, 42, 36, 6, -7, -12, -8, -13, -2, -1, 0, 1, 1,  
-1, 3, 3

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5, 5, 7, 8, 9, 11, 19

**A301080 ITH T3**  $O(IT) = 75, O(PL) = 7$

1, 4, 9, 19, 37, 58, 78, 98, 108, 101, 87, 62, 6, -73, -136, -190, -256, -297, -294, -289,  
-260, -169, -80, -23, 65, 156, 183, 196, 224, 210, 167, 164, 176, 144, 118, 156, 185,  
169, 169, 160, 86, 9, -41, -125, -226, -274, -292, -311, -293, -231, -168, -103,  
-14, 64, 97, 117, 128, 114, 98, 80, 47, 22, 8, -6, -12, -9, -7, -5, -2, -4, -2, 4, 4, 2,  
2

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5, 5, 7, 8, 9, 11, 19



**A301081 ITH T4**  $O(IT) = 71, O(PL) = 7$

1, 4, 12, 21, 36, 54, 75, 87, 108, 107, 89, 51, 22, -55, -130, -197, -245, -314, -310,  
-287, -249, -200, -86, -7, 78, 150, 211, 207, 222, 210, 177, 132, 143, 126, 132, 154,  
184, 170, 179, 159, 116, 35, -41, -145, -214, -281, -316, -327, -290, -237, -162,  
-86, 2, 59, 100, 128, 135, 114, 89, 62, 34, 16, 3, -8, -10, -4, -4, 0, 3, 6, 2

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5, 5, 7, 8, 9, 11, 19

**A301082 ITH T5**  $O(IT) = 72, O(PL) = 7$

1, 4, 11, 22, 39, 55, 72, 91, 107, 108, 89, 54, 6, -53, -124, -191, -272, -320, -312,  
-282, -257, -175, -76, 11, 90, 168, 195, 204, 212, 198, 151, 124, 130, 136, 134, 175,  
209, 184, 168, 167, 107, 16, -62, -146, -238, -288, -304, -318, -291, -210, -127,  
-75, -8, 56, 91, 111, 131, 105, 83, 63, 40, 14, 7, -5, -6, -4, -2, -2, 4, 2, 2, 1

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5, 5, 7, 8, 9, 11, 19

**A301083 ITH T6**  $O(IT) = 75, O(PL) = 7$

1, 4, 11, 22, 32, 49, 79, 93, 90, 103, 103, 60, 15, -29, -115, -207, -247, -278, -324,  
-310, -241, -202, -152, -29, 78, 126, 209, 276, 224, 173, 207, 187, 121, 142, 170, 120,  
123, 199, 192, 123, 112, 84, -34, -139, -199, -281, -344, -320, -278, -258, -194,  
-100, -31, 42, 119, 149, 135, 121, 108, 77, 44, 29, 10, -12, -17, -12, -11, -4, 1, -6,  
-4, 6, 5, 2, 2

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5, 5, 7, 8, 9, 11, 19

**A301084 ITH T7**  $O(IT) = 74, O(PL) = 7$

1, 4, 11, 20, 32, 53, 77, 89, 96, 105, 99, 64, 17, -41, -119, -191, -245, -294, -316,  
-294, -257, -212, -136, -31, 58, 138, 219, 254, 228, 199, 189, 173, 159, 154, 128, 114,  
153, 187, 172, 145, 120, 62, -30, -121, -209, -289, -326, -320, -298, -252, -184,  
-116, -39, 54, 125, 145, 137, 123, 104, 77, 52, 27, 6, -10, -17, -16, -9, -2, -3, -6,  
-2, 4, 7, 4

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5, 5, 7, 8, 9, 11, 19

**A301085 ITH T8**  $O(IT) = 76, O(PL) = 7$

1, 4, 11, 22, 36, 51, 75, 97, 110, 109, 116, 103, 70, 23, -37, -108, -172, -205, -248,  
-285, -292, -296, -309, -281, -215, -148, -85, -9, 36, 81, 152, 220, 284, 363, 389,  
357, 350, 355, 314, 276, 254, 187, 111, 52, -42, -142, -167, -195, -253, -274, -272,  
-312, -327, -262, -193, -159, -98, -36, 4, 45, 98, 124, 118, 125, 110, 76, 56, 46, 17,  
-4, -3, -5, -7, 2, 8, 3

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5, 5, 8, 9, 11, 14, 19

**A301086 ITH T9**  $O(IT) = 76, O(PL) = 7$

1, 4, 11, 20, 34, 55, 73, 95, 114, 119, 106, 107, 76, 7, -45, -86, -164, -231, -234, -267,  
-324, -302, -269, -297, -255, -124, -61, -55, 52, 129, 114, 184, 346, 369, 323, 381,  
400, 305, 298, 342, 242, 133, 141, 86, -84, -138, -135, -221, -285, -238, -258, -348,  
-321, -234, -215, -169, -76, -36, -20, 51, 110, 112, 128, 133, 104, 74, 64, 40, 11, 0,  
-3, -7, -5, 4, 6, 3

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5, 5, 8, 9, 11, 14, 19

**A301087 ITW T1**  $O(IT) = 31, O(PL) = 5$

1, 4, 12, 23, 35, 50, 66, 70, 54, 28, -6, -52, -98, -121, -130, -124, -96, -52, -9, 25,  
58, 70, 67, 54, 35, 20, 11, 4, -1, 1, 1

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4, 5, 5, 6, 8

**A301088 ITW T2**  $O(IT) = 33, O(PL) = 5$

1, 4, 9, 19, 37, 55, 65, 69, 63, 36, -8, -54, -96, -127, -142, -134, -96, -53, -15, 34,  
71, 74, 67, 62, 41, 13, 2, 1, -2, -2, 2, 3, 1

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4, 5, 5, 6, 8

**A301089 ITW T3**  $O(IT) = 37, O(PL) = 6$

1, 4, 9, 19, 36, 52, 55, 48, 29, -18, -78, -123, -151, -168, -142, -65, 0, 59, 135, 173,  
159, 127, 87, 27, -33, -59, -64, -62, -43, -15, 0, 2, 3, 2, -2, -3, -1

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4, 4, 5, 5, 6, 8

**A301090 IWR T1**  $O(IT) = 84, O(PL) = 7$

1, 4, 9, 18, 32, 50, 72, 98, 126, 150, 173, 199, 213, 200, 165, 126, 82, 13, -87, -205,  
-319, -411, -483, -560, -632, -652, -628, -590, -526, -429, -308, -164, -21, 91,  
202, 343, 473, 549, 588, 630, 684, 723, 720, 677, 623, 585, 552, 480, 350, 206, 92, -21,  
-163, -305, -424, -519, -583, -624, -653, -638, -568, -490, -415, -320, -205,  
-88, 10, 78, 123, 165, 203, 217, 202, 174, 150, 126, 98, 72, 50, 32, 18, 9, 4, 1

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8, 8, 10, 11, 12, 13, 21

**A301091 IWR T2**  $O(IT) = 89, O(PL) = 7$

1, 4, 11, 18, 31, 49, 72, 96, 123, 151, 171, 196, 207, 199, 175, 139, 74, 5, -76, -199,  
-306, -393, -494, -575, -615, -652, -648, -581, -529, -444, -316, -178, -43, 97,  
222, 335, 456, 543, 609, 647, 686, 723, 713, 687, 649, 606, 543, 459, 339, 224, 110, -39,  
-167, -304, -435, -518, -578, -646, -657, -618, -583, -501, -402, -316, -207,  
-86, 2, 67, 140, 180, 201, 209, 203, 177, 150, 129, 96, 71, 51, 30, 17, 10, 3, -2, 1, -1,  
-1, 2, 1

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8, 8, 10, 11, 12, 13, 21

**A301092 IWR T3**  $O(IT) = 87, O(PL) = 7$

1, 4, 10, 19, 32, 49, 69, 98, 130, 153, 169, 190, 210, 206, 177, 132, 75, -3, -93, -191,  
-307, -409, -485, -568, -645, -654, -620, -582, -515, -430, -327, -181, -19, 108,  
216, 335, 456, 548, 598, 646, 690, 706, 706, 694, 653, 603, 548, 449, 326, 211, 111, -13,  
-179, -328, -434, -519, -585, -624, -655, -640, -559, -479, -409, -309, -192,  
-91, -1, 75, 133, 179, 207, 207, 184, 165, 154, 134, 98, 65, 47, 33, 21, 11, 3, -1, 0, 2, 1

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8, 8, 10, 11, 12, 13, 21

**A301093 IWR T4**  $O(IT) = 88, O(PL) = 7$

1, 4, 11, 20, 27, 43, 73, 99, 115, 139, 175, 201, 211, 203, 169, 129, 95, 35, -70, -186,  
-298, -400, -479, -560, -639, -668, -643, -600, -543, -467, -350, -187, -38, 79,  
201, 342, 471, 566, 612, 631, 685, 753, 759, 685, 621, 608, 574, 483, 350, 207, 89, -6,  
-143, -314, -445, -531, -588, -635, -670, -657, -582, -497, -422, -326, -218,  
-96, 21, 93, 129, 173, 219, 223, 203, 179, 151, 129, 109, 73, 33, 21, 22, 15, 4, -5, -6, 0,  
4, 2

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8, 8, 10, 11, 12, 13, 21

**A301094 IWV T1**  $O(IT) = 132, O(PL) = 9$

1, 4, 12, 19, 28, 38, 54, 68, 81, 81, 82, 86, 86, 58, 36, 5, -25, -63, -128, -187, -223,  
-257, -304, -341, -367, -350, -322, -320, -301, -220, -138, -42, 3, 96, 219, 346,  
393, 450, 526, 625, 658, 642, 609, 646, 639, 573, 441, 351, 301, 203, 55, -119, -205,  
-273, -403, -559, -668, -710, -726, -801, -851, -845, -721, -687, -640, -606,  
-462, -281, -173, -119, 5, 173, 338, 388, 444, 505, 638, 659, 632, 621, 642, 645, 566,  
450, 384, 336, 266, 109, 8, -68, -109, -175, -288, -346, -348, -340, -359, -373,  
-340, -272, -210, -198, -156, -74, -29, 13, 20, 65, 96, 113, 93, 95, 87, 83, 56, 43, 20,  
25, 7, 9, -9, -6, -12, -2, -7, 0, -2, 5, 0, 3, 0, 3

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3, 7, 10, 11, 13, 15, 16, 20, 25

**A301095 IWV T2**  $O(IT) = 128, O(PL) = 9$

1, 4, 9, 18, 32, 52, 77, 100, 117, 137, 162, 175, 167, 140, 107, 77, 35, -38, -128, -206,  
-289, -395, -506, -588, -614, -629, -679, -699, -620, -505, -422, -357, -252,  
-32, 219, 367, 479, 668, 897, 1055, 1096, 1106, 1215, 1328, 1274, 1131, 1046, 1022,  
919, 637, 303, 121, 36, -188, -541, -822, -943, -1018, -1230, -1521, -1621, -1514,  
-1472, -1533, -1511, -1318, -1030, -865, -819, -623, -254, 55, 211, 322, 552, 899,  
1096, 1074, 1079, 1207, 1326, 1295, 1137, 1027, 1031, 962, 711, 449, 309, 218, 40, -222,  
-407, -437, -458, -592, -721, -728, -645, -574, -572, -548, -425, -279, -192,  
-138, -68, 32, 117, 129, 123, 158, 190, 177, 135, 107, 106, 96, 54, 16, 7, 7, 2, -5, -4, 4,  
6, 2

---

6, 7, 10, 11, 13, 15, 16, 20, 25

**A301096 IWV T3**  $O(IT) = 139, O(PL) = 9$

1, 4, 11, 21, 34, 49, 71, 96, 123, 145, 148, 155, 156, 148, 130, 86, 27, -36, -117, -211,  
-301, -391, -474, -551, -625, -652, -650, -657, -637, -579, -479, -332, -184,  
-39, 147, 327, 505, 676, 833, 982, 1105, 1198, 1249, 1285, 1281, 1218, 1104, 967, 822,  
648, 466, 219, -31, -248, -514, -729, -943, -1165, -1314, -1429, -1527, -1552,  
-1543, -1537, -1440, -1326, -1189, -957, -756, -532, -278, -51, 195, 433, 629,  
791, 956, 1084, 1200, 1280, 1284, 1260, 1203, 1132, 1011, 872, 720, 537, 375, 182, -4,  
-154, -313, -467, -572, -642, -684, -680, -690, -665, -593, -530, -421, -321,  
-232, -133, -41, 35, 99, 140, 164, 186, 182, 171, 166, 137, 113, 77, 45, 33, 18, 5, -5,  
-9, -9, -5, -6, -3, -4, -2, 0, 0, 0, 2, 2, 3, 0, 1, 1

---

6, 7, 10, 11, 13, 15, 16, 20, 25

**A301097 IWV T4**  $O(IT) = 137, O(PL) = 9$

1, 4, 12, 20, 34, 50, 66, 95, 125, 146, 159, 143, 145, 165, 136, 79, 30, -36, -110, -205,  
-321, -396, -455, -557, -628, -661, -670, -628, -627, -611, -489, -323, -165,  
-26, 117, 313, 539, 697, 811, 970, 1120, 1218, 1255, 1262, 1260, 1247, 1148, 928, 781,  
659, 477, 258, -61, -321, -465, -690, -983, -1172, -1329, -1435, -1453, -1584,  
-1599, -1476, -1427, -1325, -1192, -1015, -724, -459, -321, -91, 217, 448, 665,  
771, 888, 1105, 1243, 1279, 1249, 1256, 1231, 1141, 1006, 823, 722, 589, 356, 147, -2,  
-149, -294, -450, -629, -651, -637, -688, -685, -676, -602, -476, -420, -353,  
-221, -110, -48, 29, 89, 152, 188, 166, 166, 174, 158, 138, 105, 70, 50, 33, 16, 6, -6,  
-11, -6, -6, -2, -2, 2, 0, 0, 2, 2, 0, 0, 2

---

6, 7, 10, 11, 13, 15, 16, 20, 25

**A301098 I WV T5**  $O(IT) = 155, O(PL) = 9$

1, 4, 12, 20, 28, 49, 69, 99, 132, 154, 180, 212, 226, 248, 256, 237, 230, 161, 91, 27, -64,  
-141, -269, -440, -519, -618, -734, -806, -911, -969, -920, -984, -988, -868,  
-795, -668, -585, -452, -204, 35, 209, 337, 566, 916, 1167, 1314, 1481, 1672, 1889,  
2066, 1973, 2043, 2151, 2039, 1892, 1648, 1426, 1321, 980, 457, 86, -193, -513, -900,  
-1430, -1800, -1906, -2134, -2449, -2679, -2725, -2660, -2628, -2659, -2546,  
-2219, -1888, -1731, -1503, -1080, -574, -172, 91, 349, 833, 1314, 1503, 1629, 1817,  
2001, 2221, 2164, 1998, 2020, 1987, 1776, 1529, 1280, 1131, 993, 656, 314, 154, 27, -138,  
-431, -642, -704, -766, -828, -971, -1020, -948, -925, -921, -859, -777, -629,  
-535, -481, -332, -167, -73, 45, 62, 159, 253, 260, 282, 281, 254, 253, 219, 171, 145,  
105, 55, 42, 18, 7, 0, -8, -10, -21, -9, -7, 2, 0, 6, 2, 6, 2, 4, 0, 2

---

7, 10, 11, 12, 15, 16, 20, 25, 26

**A301099 I WV T6**  $O(IT) = 134, O(PL) = 9$

1, 4, 12, 22, 32, 45, 68, 96, 121, 133, 144, 162, 173, 158, 126, 99, 45, -32, -120, -219,  
-270, -374, -486, -571, -646, -664, -690, -703, -656, -573, -460, -346, -194,  
-44, 154, 334, 500, 706, 874, 1041, 1130, 1194, 1248, 1277, 1289, 1199, 1097, 1003, 843,  
678, 439, 201, -36, -261, -517, -751, -934, -1147, -1310, -1446, -1588, -1579,  
-1579, -1562, -1472, -1359, -1168, -947, -752, -554, -283, -16, 215, 460, 646,  
847, 1022, 1108, 1210, 1262, 1303, 1276, 1195, 1123, 1012, 907, 719, 501, 332, 157, -1,  
-189, -333, -471, -553, -640, -729, -705, -700, -661, -590, -531, -387, -299,  
-218, -143, -54, 38, 106, 159, 181, 204, 197, 176, 158, 119, 106, 76, 52, 33, 12, 6, -17,  
-18, -27, -15, -2, -2, 6, 6, 4, 8, 0, 4

---

6, 7, 10, 11, 13, 15, 16, 20, 25

**A301100 I WV T7**  $O(IT) = 133, O(PL) = 9$

1, 4, 12, 24, 32, 40, 65, 103, 120, 132, 139, 163, 176, 158, 118, 97, 70, -26, -153, -199,  
-272, -354, -482, -605, -622, -650, -716, -707, -649, -573, -471, -349, -210,  
-19, 138, 300, 526, 687, 892, 1041, 1133, 1195, 1235, 1300, 1273, 1200, 1136, 973, 874,  
668, 438, 229, -27, -299, -507, -718, -965, -1106, -1319, -1509, -1505, -1632,  
-1592, -1535, -1521, -1329, -1172, -977, -766, -525, -293, -51, 235, 434, 688,  
862, 973, 1122, 1214, 1295, 1278, 1283, 1203, 1117, 1053, 874, 735, 526, 304, 180, -13,  
-184, -349, -423, -567, -677, -707, -726, -676, -674, -649, -484, -380, -310,  
-235, -137, -58, 38, 101, 150, 216, 200, 191, 185, 150, 128, 99, 77, 58, 30, 18, 0, -8,  
-31, -24, -18, -6, 4, 4, 8, 8, 0, 8

---

6, 7, 10, 11, 13, 15, 16, 20, 25

**A301101 I WW T1**  $O(IT) = 439, O(PL) = 15$

1, 4, 9, 18, 33, 56, 84, 108, 135, 178, 223, 267, 308, 335, 378, 434, 469, 485, 506, 532,  
518, 480, 471, 440, 323, 204, 100, -55, -220, -416, -642, -901, -1153, -1349, -1645,  
-1976, -2208, -2443, -2661, -2849, -3029, -3168, -3273, -3254, -3155, -3088,  
-2920, -2698, -2486, -2101, -1570, -1064, -642, -175, 524, 1301, 1976, 2620, 3204,  
3837, 4627, 5355, 5921, 6354, 6737, 7167, 7586, 7984, 8201, 8108, 7956, 7978, 8098, 8067,  
7659, 6964, 6423, 6206, 6044, 5508, 4436, 3388, 2769, 2349, 1790, 777, -564, -1797,  
-2642, -3129, -3872, -5260, -6901, -8317, -9114, -9444, -10300, -12157, -14113,  
-15130, -15248, -15476, -16619, -18341, -19666, -19762, -19006, -18762, -19410,  
-20268, -20367, -19055, -17046, -15667, -15406, -15359, -13968, -10814, -7331,  
-5333, -4746, -3610, -456, 3985, 7711, 9564, 10256, 12053, 16041, 20448, 23253, 24134,  
24308, 25779, 29181, 32720, 34053, 32884, 31628, 32572, 35238, 37197, 36111, 32690,  
30475, 31063, 32702, 32354, 28622, 23948, 21469, 21398, 21475, 19107, 14019, 8564, 5525,  
5280, 4662, 708, -5667, -11206, -13585, -13470, -14716, -20004, -26814, -31054,  
-31649, -31217, -33295, -38332, -43642, -45894, -44640, -43275, -44600, -48217,  
-51381, -50943, -47272, -44182, -44157, -46293, -46923, -43185, -37014, -32752,  
-32124, -32481, -29812, -23603, -16602, -11937, -10575, -9358, -4966, 1985, 8861,  
13143, 14432, 15624, 19962, 27043, 33095, 35340, 35046, 35842, 39933, 45900, 49613,  
49171, 47446, 47701, 50590, 54124, 55047, 52634, 49346, 47966, 49151, 50597, 49247,  
44552, 39211, 36684, 37001, 36541, 32616, 25808, 19579, 17046, 16501, 13938, 8160, 891,  
-4900, -7579, -8714, -11555, -17626, -24616, -29206, -30624, -30731, -32801,  
-38304, -44081, -46064, -44576, -43219, -44818, -48829, -51582, -50458, -46755,  
-44102, -44556, -46357, -46214, -42641, -37224, -33448, -32813, -33134, -31225,  
-25800, -19134, -15422, -15220, -14799, -11112, -4607, 1213, 3612, 3609, 4614,  
9083, 15163, 19182, 20274, 19961, 20945, 24849, 29669, 32184, 31501, 29880, 30506,  
33798, 36916, 36993, 34179, 31719, 32098, 34124, 34813, 32377, 28155, 25457, 25199,  
25339, 23820, 19981, 15288, 12164, 11233, 10663, 8085, 3429, -972, -3311, -3753,  
-4367, -7291, -11509, -14323, -14923, -14491, -15094, -17331, -19703, -20679,  
-19865, -18614, -18535, -19540, -20414, -19875, -17930, -16114, -15526, -15794,  
-15712, -14217, -11759, -10018, -9644, -9671, -8840, -6889, -4838, -3711, -3471,  
-3190, -2051, -372, 1006, 1804, 2093, 2332, 3228, 4643, 5719, 6039, 5918, 6103, 6942,  
7880, 8289, 8029, 7667, 7844, 8220, 8367, 8138, 7546, 7007, 6694, 6484, 6155, 5454, 4559,  
3801, 3233, 2760, 2175, 1361, 482, -200, -590, -918, -1456, -2077, -2508, -2743,  
-2875, -2970, -3140, -3307, -3309, -3171, -3011, -2850, -2660, -2469, -2300,  
-2019, -1626, -1347, -1168, -953, -701, -434, -215, -48, 73, 174, 323, 431, 458,  
484, 521, 532, 509, 490, 481, 437, 373, 334, 308, 278, 235, 181, 136, 105, 87, 62, 32, 17,  
11, 4, -1, -1, 1, 1, 0, 1, 1

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9, 15, 15, 19, 20, 21, 24, 25, 26, 31, 37, 43, 44, 47, 56

**A301102 IWW T2**  $O(IT) = 443$ ,  $O(PL) = 15$

1, 4, 9, 18, 33, 55, 84, 114, 144, 176, 216, 267, 312, 339, 375, 431, 470, 488, 510, 527,  
516, 481, 458, 414, 332, 235, 94, -70, -238, -410, -639, -903, -1144, -1412, -1666,  
-1906, -2186, -2460, -2695, -2862, -3020, -3172, -3230, -3249, -3225, -3076,  
-2887, -2676, -2399, -2095, -1693, -1140, -549, 6, 530, 1157, 1925, 2646, 3336,  
3991, 4574, 5210, 5822, 6422, 6959, 7265, 7503, 7787, 8070, 8238, 8230, 8079, 7857,  
7715, 7601, 7281, 6718, 6171, 5631, 5036, 4569, 3941, 2965, 2014, 1267, 579, -293,  
-1308, -2373, -3576, -4595, -5383, -6374, -7611, -8954, -10194, -11149, -11999,  
-13088, -14373, -15615, -16579, -17162, -17775, -18492, -19217, -19791, -19904,  
-19762, -19394, -19010, -18840, -18204, -16945, -15483, -13997, -12524, -10984,  
-9088, -6685, -4065, -1613, 617, 3008, 5754, 8671, 11669, 14264, 16473, 18862, 21324,  
23843, 26204, 27896, 29230, 30556, 31955, 33281, 34173, 34488, 34403, 34282, 34345,  
34233, 33404, 32204, 30804, 29171, 27820, 26277, 24155, 21656, 18917, 16397, 13949,  
11259, 8243, 4775, 1326, -1721, -4656, -7820, -11330, -15053, -18507, -21547,  
-24538, -27488, -30637, -33900, -36585, -38812, -40762, -42641, -44663, -46354,  
-47532, -48010, -47993, -48134, -48195, -47706, -46669, -45016, -43005, -41114,  
-39103, -36601, -33532, -29888, -26273, -22735, -19104, -15326, -10912, -6286,  
-1977, 2126, 6048, 10249, 14718, 18988, 22898, 26364, 29584, 32984, 36405, 39437,  
42018, 44118, 45961, 47850, 49552, 50941, 51641, 51720, 51856, 51905, 51655, 50962,  
49599, 47916, 46153, 44317, 42233, 39561, 36427, 33279, 30025, 26613, 23126, 19176,  
14903, 10667, 6529, 2518, -1779, -6233, -10547, -14839, -18733, -22379, -26160,  
-29870, -33237, -36154, -38697, -41031, -43175, -45002, -46463, -47445, -47955,  
-48310, -48378, -48109, -47412, -46177, -44717, -43036, -41161, -39107, -36543,  
-33677, -30876, -28088, -25035, -21758, -18390, -15012, -11667, -8380, -5190,  
-1849, 1549, 4725, 7861, 10742, 13530, 16431, 19126, 21618, 23788, 25690, 27603, 29404,  
31004, 32184, 33034, 33766, 34328, 34653, 34746, 34451, 33743, 33043, 32199, 30999,  
29620, 27916, 25945, 23804, 21643, 19456, 16896, 14175, 11472, 8748, 6191, 3656, 937,  
-1758, -4233, -6514, -8605, -10575, -12462, -14133, -15667, -16884, -17760,  
-18541, -19152, -19698, -19956, -19774, -19517, -19130, -18702, -18181, -17344,  
-16364, -15406, -14431, -13386, -12346, -11248, -10018, -8799, -7703, -6726,  
-5637, -4530, -3451, -2322, -1391, -581, 341, 1310, 2223, 3012, 3711, 4335, 4972,  
5683, 6299, 6718, 7055, 7440, 7764, 7959, 8137, 8203, 8147, 7975, 7806, 7691, 7372, 6886,  
6370, 5850, 5323, 4723, 4059, 3316, 2605, 1975, 1315, 638, 17, -549, -1139, -1648,  
-1995, -2340, -2694, -2948, -3099, -3183, -3233, -3222, -3173, -3082, -2907,  
-2674, -2450, -2227, -1972, -1696, -1408, -1144, -909, -665, -453, -247, -59,  
90, 234, 331, 400, 445, 482, 539, 536, 500, 490, 480, 442, 379, 334, 309, 270, 225, 183,  
140, 107, 83, 56, 34, 21, 11, 3, -3, -2, 2, 1, 0, -1, -1, 1, 1, 1, 1

9, 15, 15, 19, 20, 21, 24, 25, 26, 31, 37, 43, 44, 47, 56

**A301103 IWW T3**  $O(IT) = 442$ ,  $O(PL) = 15$

1, 4, 9, 19, 35, 55, 80, 110, 142, 173, 212, 266, 305, 332, 384, 431, 454, 489, 513,  
521, 522, 495, 449, 402, 362, 269, 68, -87, -172, -387, -640, -853, -1123, -1394,  
-1666, -1914, -2149, -2436, -2670, -2907, -3091, -3082, -3161, -3335, -3304,  
-3138, -2917, -2671, -2443, -2144, -1779, -1244, -535, 8, 490, 1115, 1770, 2544,  
3379, 4080, 4636, 5064, 5673, 6500, 7098, 7429, 7568, 7601, 7945, 8445, 8549, 8204,  
7736, 7597, 7638, 7417, 7036, 6350, 5445, 4872, 4554, 4182, 3412, 2097, 890, 199, -154,  
-705, -2095, -3848, -5039, -5574, -6015, -7129, -8885, -10520, -11640, -12222,  
-12650, -13821, -15629, -17130, -17866, -17828, -17868, -18718, -20055, -20960,  
-20435, -19026, -18321, -18574, -18868, -18071, -15822, -13347, -11795, -10965,  
-9960, -7611, -4073, -819, 1448, 2980, 4734, 7838, 11932, 15572, 17545, 18274, 20028,  
23503, 27108, 29402, 29743, 29557, 30875, 33387, 35415, 35721, 34423, 33247, 33359,  
34323, 34864, 33399, 30387, 27848, 26813, 26987, 25988, 22370, 17946, 14785, 13458,  
12630, 9866, 4888, -17, -3023, -4483, -6438, -10214, -15195, -19929, -22818,  
-24048, -25952, -29687, -34432, -38451, -39924, -39829, -41004, -44209, -47854,  
-49387, -48289, -46789, -46859, -48454, -49407, -47974, -44942, -41913, -40043,  
-39460, -38212, -34591, -29572, -24820, -21673, -19878, -17043, -11705, -5191,  
-183, 2542, 4963, 8924, 14590, 20428, 24279, 26264, 28588, 32085, 36443, 40693, 43247,  
44043, 44725, 46722, 49904, 52406, 52711, 51289, 50209, 51116, 52686, 52429, 50137,  
47022, 44803, 44132, 43281, 40755, 36834, 32479, 28859, 26475, 24279, 20633, 15155,  
9500, 5383, 2632, -117, -4733, -11109, -16439, -19476, -21679, -24737, -29191,  
-34084, -37661, -39328, -40243, -41939, -44733, -47532, -49061, -48639, -47235,  
-46992, -48170, -49023, -47863, -44653, -41500, -40200, -39839, -38289, -34707,  
-30175, -26506, -24418, -22758, -19861, -15407, -10722, -7072, -4699, -2875,  
31, 4655, 9237, 12126, 13463, 14875, 17947, 22155, 25435, 26589, 26768, 28044, 30583,  
33106, 34338, 34077, 33456, 33642, 34616, 35423, 35059, 33256, 31148, 30116, 29962,  
29225, 26869, 23529, 20631, 18931, 17740, 15479, 11818, 8099, 5403, 3563, 1677, -998,  
-4277, -7256, -9276, -10523, -11849, -13767, -15920, -17638, -18408, -18420,  
-18593, -19469, -20525, -20677, -19718, -18724, -18369, -18322, -17906, -16802,  
-15339, -14065, -13242, -12515, -11494, -10209, -8750, -7421, -6451, -5752,  
-4867, -3491, -2059, -1092, -512, 142, 1145, 2311, 3262, 3849, 4286, 4862, 5704,  
6450, 6827, 7123, 7445, 7711, 7986, 8213, 8321, 8202, 7962, 7830, 7688, 7432, 7019, 6381,  
5772, 5313, 4806, 4110, 3282, 2542, 1960, 1336, 616, -37, -624, -1182, -1654, -2047,  
-2404, -2744, -2978, -3122, -3261, -3271, -3195, -3192, -3146, -2915, -2648,  
-2453, -2236, -1975, -1701, -1393, -1087, -874, -691, -424, -189, -53, 94, 253,  
345, 398, 467, 518, 532, 535, 512, 478, 466, 446, 386, 322, 292, 270, 225, 180, 138, 100,  
75, 55, 38, 21, 6, -1, -4, -3, 0, 3, 3, 0, 0, 3, 3, 1

9, 15, 15, 19, 20, 21, 24, 25, 26, 31, 37, 43, 44, 47, 56

**A301104 IWW T4**  $O(IT) = 440, O(PL) = 15$

1, 4, 9, 18, 34, 56, 79, 104, 138, 176, 215, 258, 302, 345, 378, 415, 467, 496, 504, 521, 525, 501, 468, 420, 349, 229, 95, -31, -215, -401, -592, -851, -1122, -1390, -1636, -1903, -2212, -2449, -2650, -2870, -3035, -3148, -3239, -3284, -3250, -3129, -2974, -2769, -2458, -2120, -1735, -1191, -618, -111, 468, 1162, 1858, 2533, 3259, 3972, 4577, 5183, 5863, 6442, 6869, 7285, 7632, 7872, 8109, 8261, 8260, 8162, 8041, 7883, 7594, 7249, 6851, 6331, 5777, 5229, 4623, 3862, 3022, 2255, 1472, 581, -388, -1329, -2317, -3392, -4394, -5421, -6564, -7735, -8882, -10002, -11113, -12185, -13374, -14565, -15496, -16345, -17282, -18167, -18820, -19335, -19719, -19842, -19890, -19859, -19523, -18872, -17965, -16902, -15761, -14498, -12880, -10851, -8737, -6614, -4418, -2100, 478, 3311, 6180, 8783, 11274, 13876, 16587, 19389, 21884, 23869, 25713, 27650, 29526, 31201, 32503, 33238, 33700, 34248, 34893, 35136, 34692, 33872, 32897, 32133, 31430, 30056, 28074, 25847, 23641, 21685, 19681, 17117, 13951, 10679, 7709, 5010, 2254, -1061, -4941, -8730, -11822, -14616, -17752, -21165, -24959, -28518, -31054, -33257, -35847, -38833, -41623, -43688, -44979, -45742, -46737, -48174, -49151, -49091, -48222, -46988, -46052, -45493, -44267, -41856, -38725, -35626, -33068, -30622, -27445, -23212, -18530, -14322, -10666, -7113, -3056, 1964, 7121, 11262, 14594, 18032, 21999, 26492, 30816, 33914, 36004, 38329, 41463, 44704, 47108, 48455, 48999, 49778, 51362, 52748, 53025, 52211, 50915, 49986, 49660, 49054, 47220, 44310, 41267, 38880, 36962, 34564, 30823, 26231, 22154, 18822, 15631, 11903, 7080, 1824, -2637, -6179, -9698, -13868, -18613, -23299, -27036, -29656, -32209, -35523, -39081, -41988, -43854, -44722, -45568, -47217, -48809, -49302, -48708, -47641, -46766, -46289, -45659, -44014, -41384, -38576, -36140, -34043, -31808, -28745, -24790, -21110, -18219, -15526, -12529, -8792, -4727, -1195, 1604, 4203, 7286, 10709, 14086, 16959, 19035, 20995, 23427, 26030, 28263, 29867, 30883, 31679, 32844, 34164, 34929, 34973, 34527, 34048, 33888, 33713, 32786, 31088, 29337, 27716, 26109, 24383, 22173, 19441, 16647, 14156, 11755, 9268, 6555, 3439, 468, -1835, -3856, -6168, -8601, -10852, -12818, -14270, -15426, -16650, -17954, -18997, -19539, -19773, -19756, -19729, -19818, -19615, -19023, -18155, -17191, -16416, -15707, -14768, -13538, -12229, -11057, -10051, -9133, -8021, -6655, -5385, -4407, -3484, -2479, -1518, -452, 632, 1442, 2131, 2877, 3705, 4516, 5275, 5858, 6194, 6614, 7184, 7656, 7910, 8014, 8084, 8150, 8234, 8183, 7949, 7652, 7278, 6861, 6453, 5976, 5355, 4638, 3958, 3318, 2671, 2003, 1249, 521, -77, -601, -1106, -1616, -2072, -2461, -2758, -2942, -3094, -3221, -3287, -3286, -3201, -3037, -2873, -2690, -2474, -2255, -1978, -1664, -1369, -1134, -911, -642, -409, -218, -44, 91, 214, 339, 430, 465, 499, 541, 533, 504, 497, 476, 424, 369, 335, 308, 268, 227, 178, 131, 105, 82, 57, 34, 16, 7, 1, -4, -2, 2, 2, 2, 2, 3, 2

9, 15, 15, 19, 20, 21, 24, 25, 26, 31, 37, 43, 44, 47, 56

**A301105 IWW T5**  $O(IT) = 442, O(PL) = 15$

1, 4, 12, 21, 36, 53, 76, 106, 143, 178, 220, 259, 304, 348, 377, 424, 473, 478, 493, 533, 535, 489, 446, 420, 362, 201, 77, -43, -212, -401, -626, -904, -1103, -1379, -1669, -1944, -2172, -2417, -2680, -2944, -2986, -3111, -3207, -3274, -3278, -3141, -2884, -2718, -2408, -2140, -1673, -1175, -589, -31, 570, 1095, 1837, 2598, 3343, 3999, 4629, 5147, 5781, 6379, 7055, 7402, 7497, 7632, 8068, 8332, 8461, 8102, 7775, 7649, 7607, 7384, 6906, 6237, 5586, 4880, 4509, 4123, 3347, 2040, 943, 235, -122, -838, -2227, -3782, -4886, -5514, -6123, -7236, -8842, -10483, -11600, -12119, -12700, -13931, -15559, -17042, -17749, -17691, -17937, -18766, -20080, -20756, -20285, -19001, -18292, -18538, -18921, -17924, -15676, -13240, -11806, -11076, -9988, -7357, -4112, -784, 1426, 2936, 4562, 7897, 12067, 15610, 17259, 18216, 19948, 23477, 27206, 29389, 29366, 29539, 30776, 33418, 35472, 35746, 34142, 33046, 33278, 34607, 34905, 33294, 30094, 27646, 26986, 27317, 25849, 22396, 17655, 14533, 13640, 13012, 9823, 4731, -263, -3048, -4351, -6094, -10166, -15539, -20239, -22619, -23894, -25547, -29591, -34896, -38663, -39616, -39548, -40727, -44257, -48164, -49516, -47941, -46287, -46704, -48593, -49588, -48235, -44567, -41209, -40073, -39802, -38417, -34592, -29237, -24275, -21777, -20385, -17335, -11552, -4864, 121, 2454, 4359, 8493, 15002, 20704, 24448, 26024, 27952, 31645, 37019, 41187, 43190, 43544, 44287, 46545, 50421, 52933, 52535, 50542, 50082, 51161, 53156, 52815, 49985, 46174, 44589, 44411, 43826, 40968, 36437, 31698, 28760, 26989, 24774, 20426, 14769, 8786, 5441, 3319, 330, -5261, -11562, -16693, -19376, -21085, -24289, -29678, -34678, -37653, -38798, -39846, -41589, -45172, -48104, -48917, -47812, -46865, -47106, -48543, -49255, -47541, -44078, -41249, -40417, -40179, -38427, -34488, -29519, -26388, -24786, -23085, -19849, -15117, -10365, -7051, -5262, -3092, 290, 4944, 9332, 12085, 13115, 14567, 18200, 22492, 25348, 26406, 26674, 27953, 30603, 33385, 34277, 33919, 33176, 33542, 34689, 35653, 34991, 32953, 30983, 30152, 29935, 29240, 26776, 23378, 20433, 18996, 17599, 15563, 11922, 7961, 5100, 3600, 1817, -937, -4339, -7234, -9352, -10536, -11693, -13520, -15949, -17626, -18499, -18327, -18428, -19283, -20454, -20725, -19839, -18603, -18139, -18167, -17952, -16906, -15415, -13938, -13029, -12343, -11734, -10372, -8679, -7303, -6390, -5716, -4944, -3654, -2098, -938, -377, 94, 965, 2184, 3245, 4056, 4383, 4715, 5519, 6356, 6954, 7251, 7366, 7576, 7867, 8141, 8402, 8265, 7957, 7685, 7542, 7474, 7090, 6410, 5760, 5176, 4742, 4178, 3412, 2556, 1888, 1253, 655, 53, -563, -1146, -1675, -2103, -2327, -2648, -2918, -3159, -3288, -3261, -3186, -3143, -3039, -2970, -2730, -2437, -2193, -1957, -1704, -1442, -1141, -874, -624, -439, -238, -48, 99, 200, 353, 428, 446, 486, 546, 540, 510, 487, 459, 421, 395, 356, 305, 244, 222, 182, 141, 111, 81, 45, 38, 20, 9, -1, -6, 0, -4, -1, 7, 3, 2, 0, 2, 2

9, 15, 15, 19, 20, 21, 24, 25, 26, 31, 37, 43, 44, 47, 56

**A301106 IWW T6**  $O(IT) = 453, O(PL) = 15$

1, 4, 12, 18, 33, 55, 77, 105, 138, 177, 222, 253, 299, 340, 388, 426, 457, 500, 532, 549, 584, 592, 575, 543, 519, 458, 354, 249, 159, -29, -227, -436, -605, -849, -1127, -1414, -1717, -1983, -2207, -2519, -2802, -3105, -3261, -3441, -3656, -3745, -3804, -3887, -3829, -3741, -3511, -3370, -3145, -2772, -2378, -1794, -1143, -680, -123, 573, 1568, 2449, 3140, 3854, 4622, 5532, 6519, 7356, 8006, 8588, 9236, 9982, 10685, 11231, 11548, 11637, 11747, 12150, 12450, 12252, 11641, 11052, 10753, 10563, 9967, 8870, 7375, 6304, 5566, 4637, 3120, 1294, -661, -2284, -3561, -4869, -6843, -9333, -11742, -13315, -14512, -15906, -18273, -20932, -22888, -23687, -24288, -25554, -27729, -29382, -29919, -29491, -29271, -29667, -30587, -30698, -29555, -27465, -25886, -25044, -24421, -22771, -19583, -15478, -12511, -10865, -8963, -5122, 136, 4954, 8022, 10155, 13219, 18262, 23741, 28003, 30440, 32425, 35586, 40078, 44658, 47484, 48377, 48807, 50736, 54233, 56839, 56663, 54726, 53385, 53989, 55223, 54662, 51096, 46582, 43882, 42949, 41324, 37462, 31509, 25683, 21489, 18822, 15297, 9414, 1758, -5030, -9562, -12631, -17188, -24337, -32417, -38293, -41416, -43884, -48889, -55662, -61571, -64627, -65961, -67514, -70824, -75021, -78009, -78020, -76678, -75789, -76529, -77575, -77114, -73530, -68621, -64934, -63396, -61352, -56760, -49571, -42630, -37508, -33760, -28769, -21616, -13096, -5513, 441, 5517, 11619, 19052, 27403, 34840, 40402, 44409, 49438, 56258, 63290, 68298, 70984, 72950, 76211, 80704, 84428, 85663, 85235, 84802, 85167, 86041, 86062, 84235, 80604, 76722, 73887, 71917, 69010, 63774, 56733, 50297, 45578, 41689, 36050, 28131, 19455, 12588, 7277, 2045, -4735, -12744, -20969, -27386, -32142, -36467, -42283, -49228, -56026, -60314, -62392, -64354, -68522, -73595, -76926, -77027, -75872, -75602, -77370, -78792, -77986, -74581, -70765, -68242, -67174, -65458, -61658, -55657, -49687, -45204, -42505, -39066, -32878, -24873, -18114, -13881, -10754, -5878, 1315, 9052, 14406, 17397, 20390, 25359, 31478, 37020, 40325, 41871, 43495, 46767, 51054, 54229, 54737, 53642, 53370, 55035, 56984, 56842, 54194, 50851, 49094, 48995, 48202, 44955, 40141, 35923, 33221, 31307, 28632, 24011, 18578, 13981, 11060, 8689, 5429, 608, -4634, -8439, -10267, -11969, -15008, -19276, -22670, -24200, -24487, -25414, -27446, -29648, -30694, -30440, -29435, -29213, -29731, -30200, -29501, -27781, -25714, -24420, -23926, -23311, -21285, -18515, -16049, -14696, -13709, -12245, -9701, -6934, -4959, -3873, -2722, -1041, 1156, 3101, 4430, 5207, 6056, 7223, 8726, 9942, 10546, 10594, 10850, 11563, 12332, 12568, 12212, 11651, 11482, 11620, 11495, 10838, 9976, 9216, 8635, 8208, 7574, 6646, 5611, 4696, 3973, 3331, 2596, 1724, 657, -65, -568, -1042, -1629, -2291, -2843, -3112, -3275, -3423, -3711, -3879, -3916, -3799, -3711, -3613, -3501, -3337, -3123, -2850, -2557, -2240, -2034, -1773, -1474, -1190, -867, -641, -470, -271, -67, 152, 242, 334, 436, 499, 549, 589, 582, 573, 557, 541, 502, 465, 435, 393, 348, 306, 265, 230, 189, 151, 108, 82, 55, 33, 19, 12, 3, -2, -2, -2, 2, 2, 1

9, 15, 19, 20, 21, 24, 25, 26, 30, 31, 37, 43, 44, 47, 56

**A301107 IWW T7**  $O(IT) = 440, O(PL) = 15$

1, 4, 12, 20, 36, 55, 75, 106, 138, 175, 215, 253, 307, 345, 380, 421, 450, 486, 518, 518, 515, 511, 479, 405, 311, 234, 150, -50, -234, -412, -591, -833, -1112, -1384, -1641, -1935, -2193, -2439, -2653, -2837, -3006, -3189, -3260, -3237, -3185, -3178, -3036, -2778, -2414, -2089, -1648, -1216, -744, -102, 579, 1154, 1813, 2516, 3241, 3904, 4603, 5334, 5861, 6294, 6805, 7256, 7715, 8020, 8062, 8055, 8130, 8309, 8222, 7854, 7453, 7140, 6835, 6429, 5854, 5298, 4484, 3723, 3017, 2397, 1602, 610, -538, -1512, -2351, -2983, -4163, -5636, -6859, -7700, -8694, -9749, -11082, -12369, -13594, -14401, -15298, -16191, -17300, -18187, -19106, -19415, -19430, -19544, -20025, -20102, -19847, -18691, -17613, -16782, -16128, -14787, -12956, -10591, -8611, -6600, -4771, -2277, 518, 3454, 6129, 8945, 11047, 13564, 16523, 19730, 22033, 23884, 25286, 27409, 29680, 31727, 32470, 32901, 33484, 34524, 34981, 35312, 34661, 33766, 32826, 32252, 31330, 30405, 28275, 25743, 23359, 21825, 19963, 17373, 13891, 10477, 7494, 5449, 2644, -1176, -5267, -8587, -11760, -14552, -17633, -21248, -25093, -28352, -31124, -33388, -35727, -38645, -41915, -44091, -44852, -45493, -46805, -48387, -49506, -49133, -47820, -47042, -46554, -45751, -44092, -41816, -38721, -35820, -33243, -30695, -27274, -23328, -18664, -14226, -10706, -7564, -2867, 2296, 7215, 11031, 14426, 17799, 22488, 26963, 30700, 33200, 36125, 38892, 41835, 44605, 47035, 48151, 49308, 50136, 51536, 52718, 53213, 51920, 50964, 50342, 50287, 48913, 46871, 43944, 41592, 39520, 37427, 33807, 30348, 26456, 22728, 18892, 15640, 11269, 6882, 1986, -2231, -6323, -9747, -14173, -18973, -23554, -26449, -29527, -32583, -36142, -39282, -41895, -43117, -44922, -46311, -47720, -48419, -49069, -48658, -47946, -47006, -46517, -45393, -43966, -41358, -38560, -36251, -34535, -31616, -28245, -24567, -21406, -18405, -15682, -12128, -8339, -4753, -1607, 1621, 4557, 7454, 10788, 14210, 16856, 19108, 21077, 23432, 26238, 28620, 29805, 30514, 31760, 33235, 34369, 34860, 34729, 34338, 34353, 34171, 33593, 32607, 31202, 29238, 27527, 26214, 24570, 22034, 19296, 16435, 14083, 11958, 9556, 6152, 3001, 430, -1598, -3819, -6197, -8894, -11089, -12766, -14009, -15485, -16731, -18100, -19100, -19685, -19536, -19606, -19702, -20064, -19817, -18951, -17663, -17112, -16693, -15971, -14591, -13347, -11997, -11113, -10214, -9241, -7764, -6585, -5332, -4375, -3472, -2725, -1403, -214, 744, 1284, 2027, 2773, 3877, 4729, 5356, 5529, 6118, 6703, 7378, 7669, 7802, 7849, 8103, 8199, 8307, 8146, 7987, 7529, 7189, 6907, 6570, 5951, 5312, 4475, 3948, 3421, 2790, 1892, 1127, 522, 2, -594, -1086, -1654, -2114, -2461, -2683, -2956, -3087, -3226, -3318, -3299, -3147, -3004, -2846, -2736, -2511, -2231, -1920, -1640, -1423, -1182, -866, -624, -385, -213, -82, 96, 228, 318, 423, 482, 514, 510, 512, 532, 509, 448, 428, 366, 346, 318, 259, 216, 175, 136, 113, 80, 58, 32, 16, 8, 3, -5, 1, -1, -1, 2, 5, 2, 2

9, 15, 15, 19, 20, 21, 24, 25, 26, 31, 37, 43, 44, 47, 56

**A301108 IWW T8**  $O(IT) = 428, O(PL) = 15$

1, 4, 11, 18, 33, 53, 78, 116, 146, 179, 214, 257, 294, 330, 353, 369, 375, 383, 390, 333, 290, 250, 160, 66, -30, -113, -269, -468, -633, -752, -933, -1099, -1337, -1528, -1628, -1744, -1899, -2020, -2074, -2114, -2131, -2028, -1833, -1709, -1654, -1344, -992, -605, -275, 51, 369, 788, 1294, 1879, 2232, 2441, 2757, 3226, 3707, 4097, 4165, 4223, 4368, 4623, 4825, 4888, 4733, 4451, 4085, 4165, 4370, 4101, 3298, 2706, 2572, 2708, 2429, 1861, 1097, 486, 282, 321, 68, -706, -1790, -2530, -2593, -2476, -3071, -4302, -5637, -6056, -6012, -6042, -6836, -8273, -9578, -9759, -9126, -9010, -10136, -11660, -12115, -11347, -10433, -10134, -10781, -11513, -11299, -9586, -7520, -6549, -7027, -7223, -5580, -2474, 101, 709, 382, 1212, 3755, 7046, 9155, 9492, 9035, 9864, 12694, 15869, 17044, 16120, 15165, 16116, 18743, 20871, 20616, 18488, 16646, 17430, 19756, 20782, 18618, 15137, 13492, 14538, 16135, 15462, 12206, 8483, 6943, 7816, 8696, 7219, 2938, -1211, -2518, -1239, -903, -3895, -8902, -12406, -12632, -11339, -11666, -15275, -19970, -22365, -21410, -19626, -20512, -24109, -27589, -28208, -26112, -23983, -24266, -27155, -29391, -28188, -24098, -20932, -21076, -23224, -23422, -19790, -14607, -11518, -11653, -12532, -10994, -6684, -1307, 1670, 1604, 897, 2989, 7983, 13014, 14923, 14135, 13599, 15859, 20548, 24538, 24930, 22958, 21944, 24425, 28302, 30287, 28855, 26279, 25245, 27053, 29583, 30085, 27605, 24025, 22243, 23680, 25489, 24529, 19945, 15497, 14045, 15244, 15453, 12666, 7404, 3021, 1674, 2421, 2028, -1572, -7194, -10957, -11676, -10652, -11454, -15174, -20253, -22962, -22387, -20480, -21080, -24710, -28507, -29059, -26429, -23808, -24410, -27004, -28598, -27008, -23424, -20466, -20449, -22106, -22520, -19514, -14794, -11811, -12132, -13429, -12530, -8286, -3532, -1354, -2155, -3024, -1140, 3463, 7396, 8275, 7024, 6472, 8767, 12757, 15530, 15547, 13832, 13375, 15572, 19010, 20657, 19322, 16919, 16666, 18957, 21089, 20815, 18198, 15782, 15464, 16782, 17376, 15717, 12357, 9775, 9397, 10104, 9584, 6893, 3368, 1210, 880, 1284, 297, -2648, -5836, -7127, -6606, -6078, -7360, -9821, -11656, -11512, -10373, -9789, -10551, -11730, -12333, -11507, -9921, -8872, -9224, -10072, -9852, -8233, -6551, -5933, -6339, -6438, -5703, -4154, -2906, -2492, -2871, -2781, -1891, -544, 232, 250, -10, 222, 1091, 2114, 2542, 2537, 2353, 2589, 3343, 4251, 4439, 4102, 3864, 4299, 4864, 5104, 4863, 4535, 4266, 4279, 4297, 4200, 3764, 3186, 2681, 2512, 2346, 1977, 1344, 730, 355, 144, -157, -557, -1049, -1380, -1619, -1682, -1791, -1987, -2180, -2180, -2091, -1972, -1870, -1786, -1686, -1570, -1341, -1097, -929, -764, -668, -502, -277, -101, -23, 55, 133, 247, 293, 339, 391, 381, 369, 375, 351, 342, 299, 254, 216, 182, 149, 124, 80, 55, 34, 19, 10, 3, -2, 1, -1, -1, 2, 1  
9, 10, 15, 15, 19, 21, 24, 25, 26, 31, 37, 43, 44, 47, 56

**A301109 IWW T9**  $O(IT) = 440, O(PL) = 15$

1, 4, 11, 24, 38, 52, 77, 108, 143, 180, 207, 260, 318, 345, 375, 426, 457, 479, 503, 532, 528, 484, 464, 421, 302, 227, 120, -67, -233, -398, -635, -859, -1125, -1379, -1672, -1947, -2156, -2441, -2725, -2825, -2993, -3150, -3219, -3251, -3214, -3119, -2999, -2699, -2421, -2049, -1641, -1201, -646, -23, 515, 1175, 1839, 2562, 3287, 3928, 4579, 5287, 5826, 6357, 6843, 7275, 7600, 7889, 8051, 8176, 8172, 8196, 8084, 7780, 7529, 7267, 6785, 6338, 5814, 5170, 4528, 3868, 3068, 2222, 1404, 600, -408, -1459, -2322, -3277, -4420, -5543, -6673, -7768, -8815, -10034, -11213, -12325, -13400, -14450, -15460, -16452, -17309, -18110, -18781, -19380, -19663, -19764, -19824, -19851, -19345, -18675, -17879, -16865, -15664, -14351, -12596, -10700, -8691, -6689, -4254, -1793, 684, 3283, 6125, 8785, 11481, 14016, 16660, 19258, 21782, 23804, 25820, 27705, 29468, 30984, 32281, 33088, 33820, 34411, 34798, 34537, 34426, 34059, 33132, 31986, 31044, 29659, 27973, 26062, 23887, 21421, 19228, 16823, 13909, 10762, 7935, 4938, 1728, -1544, -4859, -8309, -11612, -15048, -18344, -21405, -24608, -27947, -31016, -33787, -36377, -38709, -41040, -43320, -45010, -46030, -47039, -48059, -48387, -48330, -48291, -47476, -46319, -45021, -43315, -41156, -39031, -36338, -33066, -29659, -26580, -23033, -19004, -14800, -10627, -6291, -2291, 2033, 6436, 10623, 14700, 18973, 22638, 26274, 29684, 33183, 36467, 39513, 41810, 43820, 45923, 48230, 49655, 50645, 51343, 51746, 51890, 52264, 51662, 50644, 49425, 47965, 46065, 44349, 42333, 39612, 36200, 33106, 30048, 26873, 23265, 19080, 14466, 10610, 6866, 2776, -1739, -6340, -10792, -14716, -18556, -22313, -26102, -29838, -33364, -36280, -38448, -40597, -43144, -45221, -46714, -47508, -47689, -47938, -48525, -48489, -47428, -46063, -44615, -43076, -41293, -39365, -36775, -33726, -30774, -27917, -24992, -22057, -18707, -15028, -11444, -8370, -5352, -2161, 1506, 4979, 8040, 10644, 13463, 16305, 19070, 21594, 23989, 25868, 27645, 29352, 30902, 32188, 33347, 33905, 34147, 34333, 34816, 34690, 34078, 33080, 32078, 30903, 29623, 28029, 26072, 23855, 21664, 19272, 16938, 14412, 11809, 8878, 5947, 3297, 1037, -1412, -4036, -6652, -8808, -10631, -12282, -13941, -15557, -17029, -18024, -18658, -19134, -19557, -19833, -20025, -19842, -19310, -18561, -17974, -17482, -16722, -15675, -14416, -13214, -12281, -11437, -10326, -8915, -7638, -6590, -5625, -4625, -3527, -2394, -1269, -353, 440, 1217, 2091, 3050, 3989, 4600, 5032, 5573, 6296, 6926, 7309, 7492, 7681, 7915, 8175, 8302, 8259, 8019, 7806, 7572, 7331, 6927, 6422, 5827, 5195, 4593, 4041, 3382, 2600, 1845, 1201, 575, 34, -562, -1172, -1699, -2035, -2331, -2670, -2964, -3103, -3222, -3259, -3200, -3117, -3025, -2891, -2712, -2444, -2184, -1928, -1692, -1435, -1154, -864, -623, -415, -251, -73, 98, 214, 309, 411, 459, 497, 527, 531, 495, 478, 468, 426, 382, 353, 316, 254, 203, 185, 149, 112, 81, 50, 35, 25, 10, 1, -2, 2, 1, -3, 2, 3, 2, 1  
9, 15, 15, 19, 20, 21, 24, 25, 26, 31, 37, 43, 44, 47, 56

**A301110 IWW T10**  $O(IT) = 451, O(PL) = 15$

1, 4, 11, 20, 35, 54, 75, 107, 143, 171, 212, 264, 299, 345, 394, 414, 444, 499, 543, 548, 556, 598, 582, 520, 520, 476, 346, 244, 146, -10, -223, -406, -596, -883, -1139, -1353, -1669, -2015, -2254, -2478, -2773, -3025, -3236, -3480, -3691, -3751, -3734, -3839, -3873, -3702, -3586, -3426, -3081, -2720, -2367, -1950, -1295, -621, -91, 653, 1463, 2190, 3049, 3990, 4781, 5441, 6279, 7266, 8021, 8635, 9371, 9969, 10442, 11068, 11662, 11908, 11929, 12092, 12211, 12073, 11918, 11606, 10910, 10188, 9682, 9010, 7897, 6685, 5562, 4231, 2893, 1586, -67, -2017, -3804, -5294, -7033, -9077, -11072, -13028, -14985, -16793, -18367, -20178, -22265, -23945, -25186, -26300, -27452, -28519, -29485, -30268, -30324, -29963, -30004, -30005, -29349, -28286, -27004, -25345, -23494, -21796, -19732, -16784, -13567, -10591, -7550, -4191, -617, 3310, 7445, 11298, 14804, 18401, 22504, 26736, 30503, 33758, 36899, 40066, 43216, 46357, 48866, 50529, 52003, 53693, 55057, 55733, 56056, 55699, 54601, 53668, 52885, 51205, 48506, 45612, 42728, 39546, 36138, 32265, 27624, 22698, 18031, 13469, 8438, 2803, -3013, -8628, -14094, -19545, -24883, -30497, -36373, -41656, -46187, -50643, -55264, -59480, -63428, -67124, -69703, -71732, -74176, -76355, -77401, -77785, -77928, -77373, -76313, -75185, -73318, -70369, -66978, -63433, -59429, -55035, -50223, -44726, -38767, -32777, -26891, -20821, -14081, -7045, -236, 6486, 13223, 19786, 26394, 33301, 39887, 45668, 51237, 56855, 61871, 66534, 71210, 74935, 77614, 80277, 82901, 84774, 85851, 86393, 86178, 85479, 84809, 83524, 81196, 78258, 74988, 71338, 67325, 62972, 57942, 52196, 46156, 40235, 34365, 28018, 21093, 14029, 7086, 425, -5942, -12425, -19465, -26405, -32426, -37982, -43607, -48982, -54170, -59196, -63356, -66521, -69504, -72489, -74927, -76611, -77649, -77745, -77326, -77145, -76633, -75009, -72460, -69667, -66940, -63923, -60461, -56358, -51514, -46532, -41772, -37107, -31974, -26155, -20239, -14507, -9047, -3868, 1397, 7155, 12915, 17899, 22292, 26600, 31014, 35366, 39418, 42769, 45281, 47700, 50388, 52649, 54093, 54934, 55397, 55556, 55505, 55285, 54436, 52671, 50522, 48532, 46552, 44052, 40974, 37488, 33880, 30462, 27218, 23646, 19455, 15226, 11363, 7710, 4081, 398, -3406, -7272, -10626, -13370, -16050, -18838, -21410, -23580, -25410, -26767, -27727, -28789, -29912, -30465, -30315, -30070, -29878, -29464, -28837, -27968, -26652, -25112, -23742, -22446, -20816, -18940, -17031, -15019, -13072, -11388, -9683, -7583, -5444, -3686, -2100, -528, 1059, 2609, 4178, 5593, 6556, 7502, 8627, 9628, 10377, 10959, 11455, 11734, 11930, 12250, 12336, 12071, 11766, 11481, 11096, 10664, 10191, 9492, 8635, 7958, 7377, 6588, 5669, 4834, 3967, 3097, 2375, 1655, 821, -5, -658, -1221, -1784, -2239, -2661, -3098, -3426, -3559, -3643, -3779, -3860, -3831, -3747, -3630, -3441, -3253, -3111, -2872, -2547, -2255, -1986, -1714, -1439, -1202, -941, -619, -405, -241, -52, 99, 234, 351, 453, 493, 512, 575, 603, 573, 551, 527, 491, 460, 437, 399, 345, 304, 266, 223, 191, 153, 108, 73, 53, 38, 24, 13, 3, -5, -2, 5, 3

9, 15, 19, 20, 21, 24, 25, 26, 30, 31, 37, 43, 44, 47, 56

**A301111 IWW T11**  $O(IT) = 443, O(PL) = 15$

1, 4, 11, 21, 34, 56, 76, 106, 145, 189, 221, 254, 299, 350, 380, 432, 465, 476, 497, 537, 531, 489, 458, 433, 314, 205, 97, -30, -224, -426, -664, -899, -1131, -1358, -1672, -1952, -2188, -2428, -2694, -2880, -3041, -3128, -3220, -3261, -3224, -3087, -2924, -2689, -2437, -2073, -1649, -1117, -605, -97, 517, 1277, 1931, 2574, 3283, 3972, 4568, 5249, 5844, 6392, 6906, 7291, 7504, 7761, 8143, 8342, 8160, 8021, 7926, 7810, 7637, 7289, 6739, 6178, 5693, 5140, 4568, 3921, 3068, 2076, 1218, 524, -214, -1200, -2430, -3691, -4564, -5332, -6337, -7677, -9080, -10322, -11155, -11987, -13132, -14545, -15654, -16619, -17340, -17806, -18331, -19291, -20018, -20155, -19719, -19198, -18872, -18967, -18533, -17151, -15141, -13686, -12515, -11179, -9265, -6647, -3772, -1383, 775, 2870, 5532, 8662, 12027, 14668, 16622, 18479, 21020, 24006, 26767, 28316, 28968, 29936, 31932, 33738, 34638, 34572, 34027, 33846, 34372, 34580, 33899, 32187, 30298, 28720, 27770, 26854, 24787, 21436, 18103, 15815, 14234, 12159, 8556, 4132, 582, -1961, -4178, -7186, -11364, -15712, -19232, -21654, -23991, -26958, -30675, -34512, -37525, -38848, -39816, -42018, -45051, -47419, -48144, -47401, -47014, -47758, -48910, -48700, -46730, -44162, -42312, -40933, -39725, -37271, -33486, -29126, -25339, -22588, -20019, -16025, -10654, -5175, -1103, 1803, 4915, 9796, 15395, 20253, 23155, 25542, 28781, 32905, 37094, 40352, 42100, 43365, 45102, 47769, 50327, 51776, 51551, 50826, 50831, 52111, 52824, 51606, 49006, 46762, 45625, 44959, 43132, 39797, 35808, 32349, 29753, 27259, 23816, 19395, 14255, 9763, 6317, 3247, -783, -6154, -11611, -15688, -18432, -21398, -25453, -30248, -34269, -36601, -38182, -40072, -42858, -45532, -47178, -47801, -47557, -47406, -47946, -48705, -48352, -46498, -43953, -42068, -41075, -40021, -37533, -33575, -29832, -27368, -25370, -22707, -18928, -14660, -10826, -7987, -5509, -2683, 1117, 5212, 8756, 11151, 12966, 15441, 18902, 22391, 24752, 25767, 26686, 28633, 31303, 33050, 33647, 33419, 33504, 34224, 35096, 35241, 34185, 32642, 31442, 30665, 30086, 28723, 26182, 23156, 20904, 19368, 17694, 14898, 11304, 8017, 5762, 3924, 1618, -1429, -4566, -7090, -8816, -10187, -11953, -14075, -15931, -17359, -17962, -18161, -18663, -19718, -20466, -20249, -19435, -18692, -18456, -18414, -17899, -16606, -15099, -14125, -13398, -12635, -11510, -10081, -8637, -7495, -6686, -5854, -4750, -3393, -2085, -1188, -579, 164, 1187, 2347, 3315, 3815, 4219, 4869, 5746, 6454, 6855, 7124, 7366, 7673, 8029, 8253, 8229, 8158, 7955, 7729, 7656, 7437, 6957, 6301, 5744, 5297, 4745, 4099, 3310, 2522, 1884, 1330, 657, -11, -598, -1174, -1638, -2015, -2358, -2658, -2951, -3128, -3218, -3247, -3187, -3138, -3092, -2917, -2710, -2415, -2162, -1983, -1710, -1408, -1143, -883, -659, -436, -240, -55, 101, 224, 312, 432, 452, 483, 537, 536, 501, 479, 463, 438, 386, 358, 301, 248, 211, 190, 146, 113, 77, 54, 31, 24, 10, 2, -2, -2, 1, 1, -1, 2, 0, 2, -1, 1, 2

9, 15, 15, 19, 20, 21, 24, 25, 26, 31, 37, 43, 44, 47, 56



**A301112 IWW T12**  $O(IT) = 436, O(PL) = 15$

1, 4, 10, 20, 34, 52, 78, 110, 156, 190, 212, 251, 311, 346, 392, 424, 456, 489, 518, 534, 523, 481, 470, 388, 314, 236, 110, -70, -253, -449, -618, -889, -1169, -1445, -1670, -1907, -2163, -2450, -2707, -2944, -3042, -3087, -3162, -3261, -3218, -3146, -2913, -2593, -2293, -2081, -1747, -1193, -523, 70, 686, 1174, 1735, 2571, 3508, 4134, 4578, 5024, 5693, 6444, 7063, 7409, 7495, 7545, 7876, 8286, 8521, 8277, 7681, 7327, 7387, 7525, 7245, 6252, 5142, 4655, 4599, 4365, 3432, 2015, 668, 35, -71, -566, -2070, -3921, -5303, -5822, -5935, -6696, -8737, -10920, -12136, -12170, -12258, -13384, -15713, -17776, -18184, -17326, -17171, -18420, -20424, -21324, -20361, -18388, -17542, -18263, -19276, -18547, -15783, -12344, -10719, -10947, -10865, -8222, -3622, 593, 2244, 2171, 3333, 7616, 12953, 16641, 17443, 17208, 18769, 23297, 28242, 30372, 29315, 28141, 29471, 33466, 36982, 36731, 33438, 31181, 32321, 35603, 36777, 33705, 28593, 25790, 26830, 28694, 27418, 22143, 15945, 13098, 14023, 14516, 11000, 4215, -2159, -4639, -3600, -3932, -9071, -16991, -22519, -23390, -22152, -23537, -29469, -36931, -40403, -39239, -37446, -39118, -44598, -49922, -50665, -47358, -44178, -45088, -49092, -51691, -49175, -43126, -38687, -39053, -41179, -40553, -34999, -27098, -22065, -21823, -22201, -18815, -11158, -3179, 1512, 2160, 2572, 7026, 15293, 22571, 25754, 25423, 25757, 30252, 37864, 43388, 44095, 42054, 42050, 46115, 51874, 54606, 52712, 49158, 48288, 50889, 54335, 54451, 50070, 44760, 42755, 44069, 45396, 42841, 36148, 29419, 26865, 27550, 26823, 21629, 13614, 6763, 4112, 4219, 2110, -4444, -12677, -18624, -20316, -19982, -22156, -28605, -36146, -40004, -39291, -37627, -39259, -44836, -50183, -50758, -47251, -44258, -45194, -49125, -51435, -48713, -42943, -38860, -38954, -40996, -40682, -35593, -28212, -23736, -23892, -24930, -22398, -15582, -8134, -4576, -5413, -5810, -1707, 5655, 11678, 13444, 12182, 12410, 16845, 23528, 27691, 27420, 25287, 25511, 29747, 35009, 36679, 34254, 31144, 31311, 34787, 37808, 36644, 32156, 28645, 28765, 30789, 31144, 27701, 22111, 18343, 18139, 18841, 17102, 12182, 6621, 3415, 3283, 3394, 748, -4437, -9049, -10600, -9842, -9851, -12575, -16718, -19102, -18770, -17218, -16958, -18930, -21315, -21643, -19842, -17650, -17001, -18004, -18940, -17955, -15106, -12703, -12353, -12913, -12720, -10874, -8147, -6342, -6204, -6500, -5762, -3691, -1508, -425, -415, -511, 453, 2334, 3829, 4384, 4178, 4191, 5149, 6574, 7483, 7493, 7046, 7037, 7791, 8602, 8740, 8144, 7520, 7448, 7657, 7660, 7205, 6311, 5501, 5060, 4764, 4361, 3546, 2442, 1645, 1178, 837, 269, -546, -1289, -1786, -2006, -2161, -2542, -2958, -3202, -3270, -3197, -3086, -3092, -3103, -3008, -2710, -2395, -2140, -1919, -1733, -1504, -1172, -860, -607, -462, -295, -98, 112, 250, 326, 369, 447, 482, 525, 537, 516, 480, 455, 430, 404, 354, 310, 245, 206, 189, 164, 116, 80, 52, 36, 22, 11, 3, -1, 0, 2, 1

9, 15, 15, 19, 20, 21, 24, 25, 26, 31, 37, 43, 44, 47, 56

**A301113 IWW T13**  $O(IT) = 438, O(PL) = 15$

1, 4, 11, 20, 29, 50, 82, 104, 129, 179, 216, 266, 301, 337, 395, 413, 450, 493, 525, 537, 506, 508, 480, 386, 342, 284, 114, -83, -211, -370, -661, -881, -1080, -1362, -1669, -1920, -2173, -2459, -2684, -2816, -3091, -3185, -3183, -3253, -3276, -3151, -2929, -2672, -2517, -2098, -1652, -1205, -685, -105, 526, 1253, 1829, 2558, 3202, 3881, 4678, 5334, 5736, 6321, 6852, 7289, 7596, 7910, 8148, 8147, 8021, 8213, 8097, 7893, 7609, 7088, 6619, 6370, 5942, 5353, 4410, 3584, 3020, 2445, 1644, 643, -591, -1531, -2336, -3136, -4098, -5420, -6824, -7922, -8852, -9611, -10560, -12244, -13891, -14789, -15096, -15644, -16980, -18465, -19317, -19442, -19042, -19208, -19794, -20277, -19955, -18966, -17287, -16199, -15750, -15319, -13572, -10728, -7784, -6040, -4926, -3378, -81, 3855, 7184, 8887, 10325, 12498, 16328, 20190, 22754, 23660, 24565, 26396, 29571, 32360, 33423, 32750, 32248, 33120, 35452, 36710, 35681, 32804, 31118, 31697, 32783, 31673, 28346, 24468, 22242, 21837, 21303, 18546, 13925, 9095, 6507, 5502, 4127, 270, -5489, -10583, -12814, -13393, -15368, -20374, -26473, -30215, -31166, -31651, -33833, -38604, -43251, -45168, -44521, -43880, -45340, -48458, -50709, -50463, -47716, -44811, -44858, -46342, -46321, -42923, -37497, -33736, -32671, -32118, -29473, -23595, -17155, -12909, -10938, -8775, -4680, 1883, 8068, 12547, 14459, 16127, 20347, 26841, 32262, 35013, 35311, 36509, 40159, 45488, 48840, 49257, 47803, 48414, 50777, 53646, 54528, 52877, 49998, 48734, 49048, 50178, 48989, 44873, 40013, 37386, 36671, 36238, 32392, 26389, 20501, 17425, 16154, 13641, 8124, 1627, -4119, -7407, -9131, -12040, -17475, -23749, -28839, -30678, -31302, -33355, -38033, -43295, -45791, -45070, -44006, -45130, -48387, -51066, -50321, -47371, -45125, -44746, -45767, -45751, -42838, -38193, -34217, -32775, -32566, -30796, -26131, -20234, -15942, -14928, -14096, -10829, -5264, 276, 3320, 4064, 5470, 9076, 14190, 18451, 20413, 20618, 21656, 24565, 28899, 31531, 31822, 31013, 31025, 33169, 36143, 36688, 34931, 32699, 32360, 33491, 34132, 32341, 29225, 26312, 25197, 24599, 23273, 20420, 16414, 12718, 11030, 9771, 7765, 4172, -28, -3129, -4220, -5251, -7325, -10785, -13562, -14946, -15378, -15775, -17007, -19057, -20158, -20246, -19571, -18934, -19130, -19797, -19600, -18633, -16894, -15681, -15271, -15075, -14327, -12442, -10544, -9617, -9037, -8368, -7228, -5517, -4016, -3215, -2607, -1820, -817, 457, 1651, 2523, 2789, 3214, 4209, 5336, 6055, 6425, 6403, 6786, 7498, 8026, 8222, 8165, 7949, 8030, 8037, 8095, 7805, 7353, 6793, 6277, 5840, 5597, 4877, 3992, 3194, 2572, 2052, 1470, 687, -39, -731, -1119, -1531, -1915, -2369, -2753, -2994, -3107, -3176, -3193, -3188, -3240, -3191, -2913, -2616, -2425, -2259, -2025, -1762, -1436, -1079, -880, -716, -464, -236, -75, 85, 243, 342, 357, 456, 538, 529, 546, 498, 477, 465, 454, 421, 330, 284, 263, 231, 198, 151, 116, 75, 49, 26, 23, 16, 3, -6, -6, 1, 3, 2, 2

9, 15, 15, 19, 20, 21, 24, 25, 26, 31, 37, 43, 44, 47, 56

**A301114 IWW T14**  $O(IT) = 443, O(PL) = 15$

1, 4, 11, 20, 29, 48, 85, 111, 134, 164, 228, 271, 292, 346, 386, 423, 439, 494, 540,  
530, 502, 485, 471, 412, 342, 264, 117, -63, -236, -403, -610, -893, -1111, -1407,  
-1658, -1872, -2145, -2499, -2703, -2861, -3003, -3209, -3209, -3236, -3278,  
-3192, -2843, -2666, -2432, -2172, -1715, -1222, -580, -24, 572, 1055, 1857,  
2589, 3343, 4004, 4607, 5105, 5778, 6396, 7060, 7309, 7484, 7732, 8114, 8218, 8333,  
8164, 7909, 7608, 7538, 7415, 6960, 6128, 5613, 4999, 4559, 4064, 3188, 2078, 1194, 443,  
-219, -1087, -2214, -3554, -4728, -5516, -6184, -7367, -8832, -10221, -11381,  
-12057, -12848, -14125, -15519, -16716, -17516, -17746, -18232, -18967, -19916,  
-20264, -20066, -19326, -18862, -18581, -18496, -17514, -15757, -13801, -12359,  
-10835, -9641, -7218, -4295, -1336, 861, 2952, 5097, 8264, 11528, 14790, 16765,  
18528, 20671, 23697, 26283, 28633, 29443, 30162, 31376, 33268, 34619, 35268, 34402,  
33874, 33824, 34432, 34190, 32842, 30580, 28779, 27391, 26859, 25084, 22051, 18587,  
15972, 13654, 12075, 9179, 4961, 733, -2241, -4428, -6971, -10767, -14902, -19239,  
-22058, -23991, -26622, -30306, -34132, -37454, -39069, -40101, -41954, -44549,  
-47091, -48353, -48052, -47429, -47545, -48450, -48769, -47194, -44969, -42517,  
-40631, -39686, -37830, -33858, -29665, -25745, -22754, -19748, -16308, -11260,  
-5874, -1291, 1695, 5374, 9610, 14618, 19592, 23485, 25795, 29051, 32475, 36727, 40030,  
42422, 43590, 45428, 47537, 50239, 51443, 51973, 51351, 51274, 51921, 52654, 51308,  
49844, 47560, 45793, 44476, 43157, 40002, 36554, 32720, 29986, 26921, 23922, 19744,  
14797, 10101, 6757, 2812, -1059, -5738, -10840, -15447, -18513, -21968, -25520,  
-29805, -33674, -36678, -38700, -40450, -42710, -45334, -46930, -47967, -47990,  
-47647, -48074, -48684, -48074, -46675, -44577, -42448, -41141, -39752, -37385,  
-33932, -30535, -27675, -25066, -22401, -19329, -14929, -11062, -8121, -5421,  
-2507, 851, 4980, 8494, 11041, 12981, 15716, 18839, 22121, 24359, 25955, 26871, 28809,  
31072, 32841, 33656, 33834, 33450, 34336, 35063, 35250, 34191, 32900, 31503, 30850,  
30123, 28921, 26096, 23426, 21227, 19522, 17499, 15118, 11358, 8227, 5802, 3998, 1651,  
-1264, -4594, -7036, -8962, -10079, -11877, -13985, -16107, -17493, -17972,  
-17853, -18767, -19881, -20514, -20260, -19520, -18562, -18486, -18460, -18017,  
-16647, -15115, -14033, -13275, -12665, -11876, -10060, -8377, -7408, -6779,  
-6067, -4909, -3329, -1964, -1180, -724, -127, 1109, 2437, 3374, 3822, 4015, 4643,  
5729, 6480, 7030, 7099, 7119, 7507, 8114, 8410, 8409, 8020, 7808, 7692, 7833, 7649, 7063,  
6201, 5723, 5314, 4925, 4248, 3366, 2463, 1905, 1313, 832, 123, -606, -1310, -1671,  
-1954, -2239, -2682, -3000, -3239, -3234, -3150, -3112, -3257, -3180, -2968,  
-2689, -2419, -2160, -2003, -1786, -1472, -1115, -852, -641, -475, -274, -94,  
122, 271, 331, 384, 451, 488, 567, 530, 514, 484, 452, 456, 421, 339, 281, 250, 237, 193,  
146, 117, 85, 35, 32, 25, 14, 3, -7, -7, 0, 4, 2, -1, -2, 3, 0, 0, 2

9, 15, 15, 19, 20, 21, 24, 25, 26, 31, 37, 43, 44, 47, 56

**A301115 IWW T15**  $O(IT) = 442, O(PL) = 15$

1, 4, 11, 22, 28, 50, 80, 110, 126, 173, 213, 257, 304, 344, 386, 403, 452, 509, 492, 539,  
552, 473, 414, 452, 402, 248, 80, -16, -209, -406, -557, -808, -1196, -1348, -1608,  
-1922, -2143, -2357, -2762, -2967, -3019, -3006, -3268, -3341, -3300, -3275,  
-2974, -2507, -2510, -2301, -1862, -1209, -618, 21, 507, 1014, 1573, 2598, 3453,  
4076, 4560, 5007, 5591, 6580, 7190, 7533, 7485, 7483, 7974, 8693, 8604, 8212, 7705,  
7547, 7623, 7667, 7290, 6249, 5180, 4996, 4701, 4291, 3587, 2116, 560, 170, 213, -528,  
-2147, -3973, -5141, -5572, -5785, -6831, -8926, -10840, -11715, -12066, -12378,  
-13654, -15802, -17384, -17854, -17781, -17462, -18689, -20453, -21287, -20297,  
-18936, -18191, -18646, -19175, -18629, -15780, -12913, -11763, -11543, -10100,  
-7978, -4133, -559, 1626, 2404, 4323, 7638, 12189, 15744, 17564, 17845, 19648, 23431,  
27655, 29508, 29831, 29169, 30625, 33570, 35961, 35830, 34573, 32865, 33118, 34750,  
35548, 33510, 30190, 27591, 27057, 27156, 26693, 22673, 17585, 14391, 13832, 13066,  
10378, 5023, -425, -3318, -4172, -5852, -9770, -15386, -20254, -23053, -23705,  
-25357, -29379, -34740, -38919, -40129, -39390, -40282, -44427, -48361, -49778,  
-48450, -46469, -46352, -48657, -50218, -48561, -44729, -41548, -39930, -39816,  
-38953, -35408, -29092, -24470, -21754, -20530, -17745, -12118, -4845, 182, 2539,  
4086, 8290, 14594, 21030, 24479, 26218, 27700, 31839, 36557, 41404, 43545, 43724,  
43908, 46810, 50265, 53107, 52969, 50904, 49556, 51445, 53253, 53310, 49932, 46751,  
44507, 44392, 44046, 41539, 36470, 32136, 28743, 26987, 25070, 21060, 14814, 9313, 5155,  
3461, 586, -4634, -11494, -16716, -19380, -21020, -24321, -29191, -34643, -38160,  
-38926, -39682, -42021, -44830, -48110, -49524, -48315, -46693, -47061, -48826,  
-49593, -47986, -44467, -41333, -40129, -40671, -38930, -34608, -29944, -26329,  
-24636, -23499, -20160, -15368, -10327, -6937, -5042, -3526, -60, 4797, 9699,  
12055, 13130, 14445, 17760, 22587, 26031, 26206, 26436, 27870, 30715, 33407, 34884,  
33887, 33054, 33353, 35168, 35838, 35262, 33142, 30833, 29997, 30604, 29633, 27035,  
23297, 20456, 18986, 18433, 15767, 11894, 7786, 5234, 3752, 2257, -707, -4559, -7765,  
-9092, -10369, -11691, -13495, -16141, -18326, -18293, -18064, -18393, -19680,  
-20887, -20963, -19777, -18410, -18133, -18749, -18286, -16891, -15280, -13800,  
-13100, -12893, -11778, -10268, -8556, -7067, -6548, -6137, -5033, -3335, -1875,  
-977, -572, -79, 840, 2488, 3703, 3747, 4014, 4863, 5550, 6577, 7142, 7119, 7144, 7586,  
8094, 8436, 8315, 8252, 7825, 7652, 7850, 7691, 7048, 6339, 5596, 5374, 4988, 4223, 3274,  
2558, 1818, 1347, 819, 65, -751, -1251, -1649, -2026, -2415, -2584, -3046, -3360,  
-3204, -3116, -3292, -3203, -3138, -3029, -2728, -2339, -2174, -2088, -1760,  
-1365, -1136, -862, -590, -459, -294, 1, 129, 229, 356, 423, 448, 507, 569, 568, 479,  
471, 472, 453, 405, 339, 270, 253, 228, 190, 147, 109, 65, 55, 25, 24, 11, 0, -9, -11, 0, 9,  
1, 1, 1, 3, 2, 2

9, 15, 15, 19, 20, 21, 24, 25, 26, 31, 37, 43, 44, 47, 56

**A301116 IWW T16**  $O(IT) = 440, O(PL) = 15$

1, 4, 11, 20, 31, 46, 79, 105, 131, 162, 221, 256, 293, 343, 396, 409, 434, 491, 548,  
517, 519, 509, 481, 405, 347, 277, 149, -58, -208, -386, -559, -822, -1107, -1396,  
-1607, -1878, -2171, -2473, -2661, -2880, -3041, -3164, -3184, -3305, -3357,  
-3210, -2971, -2745, -2460, -2233, -1803, -1270, -649, -87, 469, 1071, 1757, 2432,  
3325, 4046, 4536, 5089, 5825, 6437, 7002, 7346, 7599, 7860, 8127, 8312, 8428, 8224, 8051,  
7755, 7590, 7523, 7006, 6267, 5709, 5159, 4761, 4021, 3111, 2269, 1363, 465, -253, -1089,  
-2228, -3524, -4583, -5364, -6373, -7577, -8856, -10130, -11257, -12086, -13211,  
-14403, -15477, -16547, -17433, -17989, -18657, -19251, -19953, -20029, -19982,  
-19751, -19468, -18905, -18302, -17099, -15919, -14416, -12781, -10992, -9207,  
-6790, -4480, -1979, 381, 3169, 5799, 8606, 11260, 14075, 16546, 19244, 21581, 23804,  
25830, 27953, 29553, 31124, 32311, 33290, 33900, 34612, 34883, 35100, 34596, 33935,  
33194, 32519, 31458, 29904, 28042, 26136, 23940, 22008, 19747, 16956, 13816, 11041,  
8154, 5271, 2167, -1273, -4985, -8375, -11351, -14448, -17890, -21476, -24941,  
-28051, -30622, -33228, -36203, -39118, -41564, -43294, -44589, -45999, -47347,  
-48489, -48961, -48802, -48020, -47481, -46787, -45816, -43900, -41498, -38901,  
-36306, -33718, -30915, -26954, -22949, -18903, -15193, -11231, -7116, -2421,  
2102, 6636, 10332, 14340, 18395, 22648, 26545, 30204, 33084, 36119, 38929, 42111, 44489,  
46472, 47769, 49468, 50642, 51878, 52327, 52406, 51950, 51697, 50915, 50040, 48406,  
46686, 44455, 42222, 39714, 37163, 33700, 30430, 26806, 23254, 19397, 15416, 11142,  
6975, 2539, -1567, -5802, -10283, -14633, -18532, -22404, -26175, -29876, -33058,  
-36078, -38856, -41149, -43332, -45265, -46655, -47552, -48337, -48558, -48578,  
-48462, -47840, -46474, -44989, -43377, -41814, -39550, -36915, -33973, -31134,  
-28284, -25376, -22047, -18821, -15085, -11738, -8656, -5521, -1982, 1393, 4854,  
7904, 10633, 13227, 16321, 19223, 21794, 23785, 25847, 27452, 29454, 31388, 32596,  
33070, 33705, 34225, 34975, 35130, 34843, 33999, 33198, 32235, 31368, 30067, 28399,  
25979, 23809, 21927, 19941, 17333, 14656, 11439, 8708, 6480, 4007, 1054, -1675, -4360,  
-6590, -8666, -10310, -12298, -14471, -15994, -16981, -17884, -18427, -19329,  
-20172, -20309, -19974, -19585, -19206, -19024, -18540, -17738, -16548, -15291,  
-14450, -13640, -12655, -11425, -9962, -8700, -7841, -6821, -5774, -4649, -3265,  
-2086, -1443, -656, 255, 1374, 2394, 3172, 3686, 4248, 4996, 6003, 6387, 6772, 7197,  
7360, 7699, 8207, 8311, 8294, 8041, 7992, 7928, 7821, 7489, 6938, 6273, 5876, 5394,  
4838, 4113, 3319, 2529, 1948, 1322, 669, 31, -675, -1285, -1585, -2008, -2375, -2733,  
-3021, -3182, -3278, -3193, -3193, -3280, -3152, -2905, -2696, -2436, -2215,  
-2019, -1741, -1413, -1124, -848, -640, -430, -244, -71, 119, 265, 322, 406, 461,  
530, 566, 518, 516, 490, 454, 439, 415, 336, 276, 258, 235, 184, 139, 115, 85, 32, 36, 18,  
10, 2, -8, -8, -1, 6, 7, -2, 5, 2

9, 15, 15, 19, 20, 21, 24, 25, 26, 31, 37, 43, 44, 47, 56

**A301117 LIT T1**  $O(IT) = 31, O(PL) = 4$

1, 3, 7, 16, 30, 46, 57, 67, 74, 65, 51, 37, 19, 2, -13, -25, -31, -37, -54, -70, -71,  
-66, -58, -38, -12, 1, 0, 1, 2, -2, -2

4, 5, 6, 12

**A301118 LIT T2**  $O(IT) = 21, O(PL) = 3$

1, 4, 9, 18, 30, 40, 49, 57, 60, 58, 56, 58, 60, 57, 49, 40, 30, 18, 9, 4, 1

3, 5, 12

**A301119 LIT T3**  $O(IT) = 21, O(PL) = 3$

1, 4, 10, 18, 27, 40, 53, 57, 55, 58, 62, 58, 55, 57, 53, 40, 27, 18, 10, 4, 1

3, 5, 12

**A301120 MAR T1**  $O(IT) = 37, O(PL) = 3$

1, 3, 6, 10, 14, 18, 20, 20, 20, 21, 23, 23, 20, 18, 20, 22, 22, 21, 20, 21, 22, 22, 20, 18, 20,  
23, 23, 21, 20, 20, 20, 18, 14, 10, 6, 3, 1

1, 5, 30

**A301121 MAR T2**  $O(IT) = 37, O(PL) = 3$

1, 3, 6, 10, 14, 18, 20, 20, 20, 20, 20, 21, 22, 22, 21, 19, 20, 23, 24, 23, 20, 19, 21, 22, 22,  
21, 20, 20, 20, 20, 18, 14, 10, 6, 3, 1

1, 5, 30

**A301122 MAR T3**  $O(IT) = 37, O(PL) = 3$

1, 3, 6, 10, 14, 19, 21, 20, 20, 20, 20, 20, 22, 24, 24, 20, 16, 20, 24, 24, 22, 20, 20,  
20, 20, 20, 20, 21, 19, 14, 10, 6, 3, 1

1, 5, 30

**A301123 MOZ T1**  $O(IT) = 69, O(PL) = 3$

1, 4, 9, 17, 29, 46, 70, 100, 130, 155, 179, 215, 271, 337, 396, 443, 485, 535, 601, 677,  
756, 830, 887, 926, 964, 1025, 1111, 1190, 1229, 1234, 1239, 1268, 1319, 1366, 1384, 1366,  
1319, 1268, 1239, 1234, 1229, 1190, 1111, 1025, 964, 926, 887, 830, 756, 677, 601, 535,  
485, 443, 396, 337, 271, 215, 179, 155, 130, 100, 70, 46, 29, 17, 9, 4, 1

16, 24, 28

**A301124 MOZ T2**  $O(IT) = 69, O(PL) = 3$

1, 4, 9, 17, 29, 47, 72, 101, 130, 158, 190, 227, 270, 325, 388, 451, 508, 554, 599, 663,  
742, 811, 865, 919, 984, 1054, 1112, 1160, 1206, 1242, 1267, 1288, 1314, 1347, 1364, 1347,  
1314, 1288, 1267, 1242, 1206, 1160, 1112, 1054, 984, 919, 865, 811, 742, 663, 599, 554,  
508, 451, 388, 325, 270, 227, 190, 158, 130, 101, 72, 47, 29, 17, 9, 4, 1

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16, 24, 28

**A301125 MOZ T3**  $O(IT) = 69, O(PL) = 3$

1, 4, 9, 17, 31, 53, 78, 100, 122, 151, 190, 237, 287, 339, 396, 450, 490, 530, 594, 680,  
764, 823, 858, 895, 955, 1036, 1119, 1185, 1228, 1251, 1260, 1273, 1306, 1344, 1360, 1344,  
1306, 1273, 1260, 1251, 1228, 1185, 1119, 1036, 955, 895, 858, 823, 764, 680, 594, 530,  
490, 450, 396, 339, 287, 237, 190, 151, 122, 100, 78, 53, 31, 17, 9, 4, 1

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16, 24, 28

**A301126 MOZ T4**  $O(IT) = 69, O(PL) = 3$

1, 4, 10, 21, 35, 49, 66, 90, 121, 157, 195, 233, 274, 321, 371, 422, 481, 553, 629, 696,  
755, 817, 881, 939, 988, 1033, 1085, 1141, 1191, 1234, 1274, 1312, 1338, 1346, 1346, 1346,  
1338, 1312, 1274, 1234, 1191, 1141, 1085, 1033, 988, 939, 881, 817, 755, 696, 629, 553,  
481, 422, 371, 321, 274, 233, 195, 157, 121, 90, 66, 49, 35, 21, 10, 4, 1

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16, 24, 28

**A301127 MOZ T5**  $O(IT) = 69, O(PL) = 3$

1, 4, 10, 21, 34, 46, 64, 92, 127, 169, 211, 245, 272, 300, 354, 440, 527, 595, 640, 663, 688,  
748, 847, 959, 1047, 1086, 1091, 1102, 1152, 1243, 1327, 1356, 1336, 1299, 1280, 1299,  
1336, 1356, 1327, 1243, 1152, 1102, 1091, 1086, 1047, 959, 847, 748, 688, 663, 640, 595,  
527, 440, 354, 300, 272, 245, 211, 169, 127, 92, 64, 46, 34, 21, 10, 4, 1

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16, 24, 28

**A301128 MOZ T6**  $O(IT) = 69, O(PL) = 3$

1, 4, 10, 21, 35, 51, 71, 94, 124, 163, 204, 243, 284, 331, 377, 426, 495, 573, 634, 676, 719,  
779, 853, 931, 1000, 1051, 1094, 1143, 1198, 1248, 1291, 1324, 1328, 1310, 1300, 1310,  
1328, 1324, 1291, 1248, 1198, 1143, 1094, 1051, 1000, 931, 853, 779, 719, 676, 634, 573,  
495, 426, 377, 331, 284, 243, 204, 163, 124, 94, 71, 51, 35, 21, 10, 4, 1

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16, 24, 28

**A301129 MSE T1**  $O(IT) = 262, O(PL) = 10$

1, 4, 10, 19, 33, 52, 79, 104, 121, 137, 164, 180, 178, 175, 164, 136, 106, 77, 20, -35, -81,  
-117, -171, -237, -290, -315, -336, -385, -423, -424, -405, -397, -395, -374,  
-318, -244, -162, -121, -116, -99, -7, 70, 41, 16, 43, 96, 103, 91, 88, 131, 224, 266,  
292, 304, 350, 449, 523, 521, 489, 554, 626, 613, 522, 453, 463, 428, 319, 167, 28, -78,  
-154, -234, -376, -495, -488, -440, -438, -482, -449, -327, -173, -98, -74, 29,  
148, 253, 325, 352, 349, 405, 478, 446, 310, 201, 160, 177, 107, -32, -134, -145, -144,  
-175, -170, -170, -140, -80, -79, -159, -236, -215, -187, -254, -422, -567, -574,  
-618, -732, -873, -955, -961, -937, -975, -1047, -1022, -890, -701, -511, -428,  
-298, -4, 295, 437, 528, 711, 889, 1013, 1039, 974, 939, 965, 956, 865, 726, 615, 570,  
566, 420, 248, 188, 223, 241, 158, 72, 76, 142, 180, 180, 175, 137, 143, 131, 32, -105,  
-181, -162, -198, -315, -451, -479, -408, -347, -346, -322, -252, -145, -29, 77,  
99, 176, 332, 455, 484, 439, 433, 481, 493, 378, 239, 155, 73, -38, -175, -322, -423,  
-459, -450, -524, -623, -630, -545, -486, -515, -522, -456, -349, -294, -290,  
-270, -227, -135, -82, -84, -106, -102, -50, -16, -34, -68, 7, 95, 115, 122, 165,  
246, 321, 375, 393, 396, 404, 427, 425, 381, 335, 314, 289, 241, 168, 110, 79, 37, -18,  
-73, -107, -141, -165, -176, -177, -177, -163, -136, -120, -104, -79, -52, -33,  
-18, -9, -4, 0, 0, -2, -1

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5, 8, 11, 13, 18, 21, 32, 35, 57, 58

**A301130 MSE T2**  $O(IT) = 254, O(PL) = 9$

1, 4, 10, 21, 34, 56, 80, 102, 118, 147, 173, 189, 201, 232, 250, 233, 220, 222, 212, 165, 132,  
100, 74, 9, -65, -106, -134, -243, -297, -298, -333, -431, -437, -427, -430, -487,  
-499, -441, -418, -498, -478, -406, -399, -458, -417, -352, -344, -376, -336,  
-226, -236, -237, -154, 8, 18, 11, 118, 317, 311, 344, 464, 594, 532, 575, 594, 658,  
569, 511, 522, 553, 345, 256, 285, 263, 80, 45, 60, 56, -40, -69, 27, 67, 65, 90, 254, 288,  
271, 317, 520, 466, 436, 470, 594, 487, 497, 410, 510, 465, 402, 356, 464, 320, 298, 343,  
352, 231, 261, 248, 256, 154, 32, 25, -20, -153, -324, -367, -542, -714, -879, -912,  
-1122, -1224, -1290, -1276, -1457, -1414, -1439, -1295, -1288, -1213, -1136,  
-890, -865, -730, -531, -375, -338, -129, -22, 23, 50, 131, 246, 266, 242, 235, 370,  
324, 303, 326, 446, 366, 401, 456, 532, 409, 488, 497, 582, 467, 450, 457, 528, 320, 252,  
294, 252, 75, 80, 66, 18, -57, -47, 48, 69, 37, 85, 282, 278, 258, 345, 542, 532, 519, 563,  
669, 591, 564, 540, 590, 454, 353, 309, 315, 123, 3, 16, 6, -161, -227, -229, -234, -330,  
-380, -355, -341, -412, -463, -392, -411, -483, -492, -420, -443, -496, -492,  
-429, -423, -441, -430, -334, -301, -291, -239, -135, -104, -69, 6, 79, 105, 132,  
163, 210, 223, 220, 231, 251, 232, 200, 190, 173, 145, 116, 100, 80, 58, 34, 20, 11, 4, -1,  
0, 2, 1

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5, 11, 13, 18, 21, 32, 35, 57, 58

**A301131 MSE T3**  $O(IT) = 290, O(PL) = 11$

1, 4, 12, 22, 33, 49, 71, 102, 129, 146, 158, 169, 172, 176, 163, 131, 97, 47, -8, -58,  
-100, -146, -182, -231, -285, -329, -351, -352, -367, -401, -437, -455, -453,  
-431, -408, -373, -324, -278, -228, -188, -157, -74, 7, 38, 76, 115, 143, 214, 307,  
352, 432, 560, 650, 713, 759, 835, 872, 912, 940, 866, 764, 733, 684, 541, 452, 353, 227,  
113, -20, -162, -297, -383, -427, -554, -665, -635, -634, -680, -623, -609, -618,  
-481, -349, -371, -380, -303, -237, -211, -120, -17, -39, 13, 128, 86, 86, 248, 302,  
280, 306, 254, 208, 281, 308, 290, 208, 174, 135, -19, -168, -258, -424, -574, -652,  
-858, -1077, -1152, -1166, -1182, -1193, -1136, -1062, -1040, -924, -790, -725,  
-512, -239, -148, -2, 194, 341, 576, 830, 926, 1037, 1164, 1269, 1333, 1322, 1335,  
1383, 1388, 1394, 1382, 1332, 1324, 1315, 1253, 1151, 1011, 931, 853, 593, 364, 175, -37,  
-142, -240, -506, -687, -793, -947, -1033, -1089, -1162, -1159, -1154, -1152,  
-1135, -1081, -888, -678, -568, -419, -262, -147, -18, 91, 167, 227, 287, 344, 321,  
199, 252, 299, 255, 294, 252, 99, 98, 112, -6, -49, -37, -111, -182, -237, -301, -384,  
-397, -357, -473, -605, -603, -621, -670, -632, -635, -657, -562, -441, -361,  
-287, -179, -12, 100, 202, 370, 463, 537, 699, 737, 736, 850, 943, 912, 879, 847, 764,  
706, 658, 576, 421, 356, 327, 208, 129, 105, 54, 21, 15, -65, -155, -185, -222, -271,  
-329, -369, -392, -432, -451, -452, -456, -417, -363, -351, -353, -315, -273,  
-232, -184, -144, -103, -63, -4, 42, 82, 130, 165, 171, 175, 175, 158, 152, 139, 102,  
70, 51, 32, 20, 11, 2, -4, -3, -1, -1, 2, 3, 1

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5, 8, 11, 12, 18, 21, 26, 32, 35, 57, 58

**A301132 MSE T4**  $O(IT) = 275, O(PL) = 11$

1, 4, 11, 20, 36, 53, 74, 95, 127, 153, 160, 155, 170, 177, 155, 128, 72, 7, -53, -108, -201,  
-268, -332, -391, -456, -492, -539, -533, -505, -479, -452, -393, -313, -224,  
-112, -37, 69, 178, 280, 329, 375, 411, 443, 491, 474, 397, 385, 377, 352, 291, 304, 246,  
313, 339, 351, 328, 389, 438, 487, 500, 433, 395, 378, 315, 176, 49, -125, -257, -376,  
-540, -781, -855, -954, -986, -1014, -982, -987, -795, -652, -528, -367, -81,  
127, 376, 526, 629, 719, 897, 918, 894, 817, 685, 579, 476, 235, -34, -86, -236, -357,  
-469, -563, -697, -512, -489, -482, -457, -316, -292, -151, -190, -235, -246,  
-159, -270, -396, -557, -622, -714, -720, -818, -896, -829, -742, -628, -480,  
-303, -82, 377, 584, 800, 1103, 1391, 1549, 1858, 1831, 1833, 1872, 1860, 1566, 1397,  
1052, 833, 604, 350, -64, -311, -482, -616, -773, -839, -881, -868, -696, -666,  
-684, -552, -373, -328, -140, -200, -259, -186, -136, -315, -305, -442, -472,  
-469, -505, -655, -562, -515, -343, -236, -131, 9, 252, 419, 580, 686, 791, 907, 931,  
897, 728, 599, 537, 393, 82, -70, -342, -542, -635, -776, -1027, -982, -991, -991,  
-930, -872, -802, -545, -374, -252, -119, 50, 181, 317, 362, 419, 425, 490, 518, 431,  
381, 349, 336, 320, 334, 249, 300, 314, 333, 362, 386, 384, 464, 476, 447, 422, 379, 328,  
291, 170, 65, -11, -116, -229, -307, -394, -464, -485, -497, -525, -537, -494,  
-448, -400, -327, -254, -210, -120, -46, 5, 62, 129, 145, 176, 184, 165, 157, 150,  
124, 94, 80, 57, 34, 15, 8, 1, -2, 1, 3, 2, 1

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5, 8, 11, 12, 13, 18, 21, 32, 35, 57, 58

**A301133 MSE T5**  $O(IT) = 290, O(PL) = 11$

1, 4, 12, 18, 35, 57, 77, 98, 124, 138, 160, 171, 178, 168, 155, 120, 94, 54, -1, -22, -99,  
-142, -201, -237, -286, -304, -352, -386, -405, -429, -423, -433, -434, -413,  
-396, -359, -307, -282, -241, -180, -138, -110, -24, -2, 71, 116, 186, 246, 311, 368,  
492, 526, 619, 707, 760, 793, 881, 858, 872, 901, 819, 778, 678, 589, 454, 358, 204, 119,  
-104, -158, -286, -414, -502, -496, -612, -595, -626, -680, -633, -597, -558,  
-475, -503, -412, -335, -287, -210, -123, -137, -45, 63, -27, 94, 97, 141, 140, 223,  
197, 308, 259, 366, 304, 285, 281, 307, 122, 116, -53, -201, -266, -443, -630, -693,  
-862, -957, -1020, -1175, -1174, -1182, -1170, -1118, -1006, -1029, -778, -701,  
-501, -338, -121, 59, 332, 371, 640, 716, 885, 1024, 1192, 1163, 1321, 1285, 1352, 1427,  
1383, 1417, 1437, 1350, 1303, 1302, 1122, 1171, 1043, 894, 735, 647, 381, 315, 43, -105,  
-357, -486, -663, -776, -1049, -1010, -1143, -1175, -1153, -1158, -1161, -1017,  
-962, -882, -719, -630, -430, -267, -191, -47, 77, 122, 311, 271, 318, 331, 374, 250,  
301, 171, 221, 151, 147, 110, 73, -22, 43, -68, -112, -117, -208, -269, -331, -447,  
-500, -479, -570, -568, -613, -675, -638, -611, -613, -491, -502, -389, -296,  
-170, -96, 101, 189, 372, 465, 578, 692, 766, 803, 905, 862, 868, 875, 805, 778, 695, 616,  
529, 500, 372, 332, 232, 170, 120, 53, -4, -31, -107, -122, -174, -240, -285, -307,  
-356, -381, -417, -432, -432, -436, -436, -407, -391, -345, -292, -286, -231,  
-208, -140, -100, -24, -7, 55, 92, 114, 153, 159, 184, 176, 165, 142, 126, 97, 80, 60,  
32, 17, 9, 2, -1, -2, 0, 1, 1, 1, 1

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5, 8, 11, 12, 18, 21, 26, 32, 35, 57, 58

**A301134 MSE T6**  $O(IT) = 262, O(PL) = 10$

1, 4, 10, 20, 34, 55, 79, 99, 119, 143, 160, 178, 190, 175, 147, 130, 109, 75, 30, -31, -80,  
-128, -186, -235, -271, -304, -331, -383, -441, -436, -406, -384, -364, -376,  
-352, -240, -153, -136, -110, -79, -24, 53, 58, 26, 37, 75, 113, 114, 97, 145, 217, 253,  
266, 286, 368, 490, 514, 479, 483, 540, 635, 649, 535, 453, 419, 399, 360, 184, -19, -79,  
-140, -258, -336, -440, -502, -452, -458, -483, -408, -296, -192, -128, -96,  
-23, 147, 319, 383, 326, 323, 395, 443, 459, 357, 186, 161, 139, 55, 9, -95, -185, -120,  
-124, -202, -153, -132, -131, -100, -184, -229, -151, -180, -300, -438, -569,  
-586, -540, -663, -877, -1018, -1020, -953, -942, -986, -1010, -912, -684, -546,  
-438, -211, 10, 202, 433, 551, 652, 916, 1035, 974, 954, 954, 987, 1029, 887, 660, 567,  
571, 547, 462, 291, 179, 182, 211, 171, 118, 127, 146, 166, 177, 120, 124, 185, 117, -12,  
-74, -144, -167, -168, -342, -480, -444, -394, -341, -311, -379, -343, -144, 21,  
93, 147, 185, 291, 421, 469, 456, 469, 493, 443, 349, 247, 137, 81, 20, -165, -356, -412,  
-421, -458, -531, -634, -637, -549, -494, -490, -501, -476, -370, -282, -275,  
-271, -208, -134, -99, -116, -127, -84, -21, -14, -62, -61, 11, 78, 129, 147, 143,  
224, 346, 384, 375, 388, 402, 430, 441, 391, 340, 304, 264, 231, 186, 128, 84, 34, -36,  
-80, -107, -127, -144, -174, -194, -181, -159, -142, -119, -100, -82, -57, -32,  
-17, -9, -3, 1, 0, -2, -1

5, 8, 11, 13, 18, 21, 32, 35, 57, 58

**A301135 MSE T7**  $O(IT) = 288, O(PL) = 11$

1, 4, 11, 21, 32, 46, 71, 103, 134, 153, 157, 165, 178, 172, 166, 143, 88, 31, -17, -58,  
-92, -135, -195, -229, -281, -330, -342, -350, -360, -373, -425, -477, -478,  
-456, -427, -367, -312, -267, -250, -207, -141, -88, 16, 104, 97, 92, 174, 198, 250,  
355, 446, 528, 655, 734, 770, 779, 873, 971, 936, 881, 836, 706, 609, 591, 435, 304, 250,  
141, -61, -178, -252, -359, -529, -534, -563, -676, -638, -608, -752, -700, -483,  
-451, -402, -325, -345, -368, -293, -195, -106, -66, 74, 94, -5, 41, 172, 183, 308,  
412, 290, 208, 217, 229, 245, 282, 329, 234, 29, -11, -123, -343, -399, -473, -731,  
-852, -984, -1221, -1291, -1230, -1148, -1072, -1040, -978, -934, -893, -679,  
-472, -324, -106, 47, 141, 357, 576, 747, 924, 1064, 1256, 1326, 1280, 1332, 1323, 1277,  
1422, 1470, 1358, 1369, 1347, 1233, 1201, 1161, 1077, 989, 824, 643, 346, 64, -26, -138,  
-310, -399, -603, -879, -1000, -1074, -1102, -1081, -1095, -1135, -1213, -1201,  
-1015, -923, -789, -486, -344, -283, -101, -33, -22, 163, 306, 333, 326, 324, 267,  
169, 213, 339, 267, 219, 223, 80, -2, 48, -12, -100, -76, -122, -224, -352, -388,  
-411, -471, -457, -454, -642, -678, -601, -674, -718, -585, -530, -480, -328,  
-246, -196, -102, 108, 243, 328, 497, 637, 608, 682, 799, 852, 922, 985, 882, 797, 778,  
729, 632, 525, 482, 386, 265, 204, 143, 37, 56, 75, 11, -59, -100, -188, -251, -283,  
-312, -356, -413, -435, -474, -498, -451, -410, -387, -338, -303, -296, -265,  
-227, -203, -142, -96, -52, -19, 25, 83, 123, 148, 176, 191, 179, 174, 158, 131, 105,  
71, 42, 30, 18, 4, -4, -6, -2, 4, 7, 4

5, 8, 11, 12, 18, 21, 26, 32, 35, 57, 58

**A301136 MSE T8**  $O(IT) = 281, O(PL) = 10$

1, 4, 11, 20, 31, 54, 81, 104, 121, 148, 168, 189, 211, 228, 231, 233, 205, 176, 185,  
158, 124, 83, 36, -27, -61, -115, -174, -235, -252, -325, -406, -456, -500, -583,  
-570, -569, -597, -596, -608, -668, -698, -640, -595, -534, -504, -440, -464,  
-452, -370, -250, -203, 27, 166, 246, 248, 391, 458, 606, 767, 955, 952, 977, 1032,  
916, 857, 997, 1032, 925, 970, 831, 637, 495, 496, 379, 434, 413, 363, 70, -23, -86, -91,  
-115, 65, -27, -79, -176, -221, -294, -215, -77, 81, 40, -26, -49, -194, -151,  
73, 217, 287, 441, 241, 147, 108, 236, 289, 482, 400, 326, 18, -128, -337, -378, -387,  
-313, -589, -782, -1169, -1393, -1459, -1480, -1489, -1345, -1517, -1750, -1793,  
-1897, -1837, -1582, -1313, -1181, -1041, -1154, -1082, -1079, -741, -404, -24,  
96, 286, 121, 259, 391, 730, 1025, 1365, 1405, 1487, 1306, 1343, 1499, 1613, 1820, 2033,  
1838, 1571, 1450, 1178, 1128, 1209, 1265, 1067, 857, 459, 275, 35, 84, 66, 100, -7, -116,  
-463, -480, -509, -349, -174, -46, -144, -100, -255, -260, -97, 16, 143, 284, 177,  
35, 13, -39, 49, 147, 289, 317, 217, 2, -10, -165, -67, 24, 32, -137, -263, -489, -543,  
-675, -611, -582, -661, -798, -848, -1115, -1134, -998, -996, -954, -824, -843,  
-911, -839, -727, -553, -409, -171, -121, -92, -13, 133, 110, 306, 470, 530, 546,  
581, 529, 534, 562, 655, 667, 653, 664, 625, 527, 518, 540, 473, 484, 461, 367, 269, 218,  
133, 74, 48, 49, -18, -74, -119, -169, -210, -174, -189, -223, -213, -219, -223,  
-209, -176, -147, -117, -100, -81, -58, -31, -15, -8, 2, 7, 0, -6, -3, -2, -2

5, 11, 12, 18, 21, 26, 32, 35, 57, 58

**A301137 NAB T1**  $O(IT) = 12, O(PL) = 3$

1, 4, 9, 16, 28, 28, 26, 7, 0, -1, 0, 2  
3, 3, 3

**A301138 NAB T2**  $O(IT) = 11, O(PL) = 3$

1, 4, 8, 18, 31, 32, 35, 22, 4, 4, 1  
3, 3, 4

**A301139 NPO T1**  $O(IT) = 14, O(PL) = 3$

1, 4, 10, 20, 31, 46, 52, 48, 45, 24, 6, 4, -1, -2  
4, 4, 4

**A301140 NSI T1**  $O(IT) = 21, O(PL) = 5$

$$\frac{1, 4, 12, 21, 31, 34, 12, -17, -55, -73, -63, -35, 15, 38, 41, 24, 7, 3, -2, 1, 1}{3, 3, 4, 4, 4}$$

**A301141 NSI T2**  $O(IT) = 19, O(PL) = 5$

$$\frac{1, 4, 12, 24, 32, 28, 12, -21, -57, -70, -57, -21, 12, 28, 32, 24, 12, 4, 1}{3, 3, 4, 4, 4}$$

**A301142 NSI T3**  $O(IT) = 20, O(PL) = 5$

$$\frac{1, 4, 12, 21, 29, 32, 14, -16, -48, -70, -64, -38, 4, 36, 39, 29, 14, 4, -1, -2}{3, 3, 4, 4, 4}$$

**A301143 OBW T1**  $O(IT) = 99, O(PL) = 8$

$$\frac{1, 4, 8, 16, 30, 45, 69, 93, 117, 142, 154, 164, 167, 140, 118, 39, -37, -105, -226, -355, -446, -547, -650, -678, -674, -740, -637, -497, -375, -173, 52, 186, 521, 740, 926, 1036, 1206, 1293, 1257, 1200, 1134, 860, 778, 422, 224, -106, -389, -621, -878, -998, -1167, -1338, -1204, -1265, -1099, -988, -832, -574, -323, -117, 70, 328, 475, 543, 730, 757, 687, 707, 599, 461, 456, 300, 105, 65, -13, -100, -157, -164, -214, -191, -128, -157, -111, -75, -58, -18, -10, 4, -9, 10, 16, -1, 2, -4, -3, 3, -4, -2, -2}{7, 7, 8, 11, 11, 13, 14, 18}$$

**A301144 OBW T2**  $O(IT) = 91, O(PL) = 8$

$$\frac{1, 4, 8, 16, 29, 46, 59, 75, 84, 88, 105, 103, 70, 59, -3, -60, -110, -163, -229, -288, -329, -396, -399, -421, -372, -292, -198, -75, -67, 115, 284, 333, 551, 578, 666, 745, 673, 608, 559, 558, 375, 287, 133, -103, -188, -372, -512, -543, -605, -686, -695, -623, -684, -533, -410, -304, -126, -48, 35, 168, 285, 309, 391, 442, 402, 397, 285, 235, 233, 109, 88, 21, -39, -62, -94, -124, -106, -90, -87, -77, -41, -37, -26, 6, -4, -3, 14, -4, 0, 2, -6}{4, 7, 7, 11, 11, 13, 14, 18}$$

**A301145 OBW T3**  $O(IT) = 97, O(PL) = 8$

$$\frac{1, 4, 8, 17, 30, 43, 69, 95, 115, 154, 153, 150, 181, 125, 97, 82, -44, -144, -216, -373, -415, -525, -649, -715, -656, -717, -626, -519, -398, -137, 77, 181, 476, 692, 920, 1099, 1193, 1247, 1252, 1309, 1084, 895, 721, 515, 159, -55, -414, -656, -891, -950, -1260, -1243, -1277, -1278, -1178, -870, -876, -577, -298, -67, 85, 344, 418, 596, 778, 712, 655, 732, 567, 499, 439, 205, 163, 109, -75, -127, -117, -212, -173, -137, -192, -134, -85, -109, -40, -6, -24, -2, 8, 10, 11, 1, -10, -3, 2, -4, -4}{7, 7, 8, 11, 11, 13, 14, 18}$$

**A301146 OBW T4**  $O(IT) = 96, O(PL) = 8$

$$\frac{1, 4, 9, 18, 32, 46, 64, 91, 121, 148, 169, 163, 128, 147, 110, 49, -16, -146, -255, -326, -434, -551, -615, -697, -734, -655, -631, -528, -366, -164, 40, 241, 511, 662, 888, 1044, 1247, 1359, 1258, 1204, 1063, 1008, 789, 372, 172, -121, -300, -643, -959, -1101, -1214, -1200, -1328, -1258, -1181, -1055, -703, -492, -321, -139, 120, 379, 560, 666, 573, 723, 795, 715, 575, 413, 373, 299, 170, 25, -71, -129, -175, -154, -191, -179, -134, -157, -92, -51, -64, -42, 14, 16, 3, 5, 10, 9, 5, -14, -16, -4}{7, 7, 8, 11, 11, 13, 14, 18}$$

**A301147 OBW T5**  $O(IT) = 88, O(PL) = 8$

$$\frac{1, 4, 8, 16, 31, 48, 64, 72, 80, 92, 104, 110, 96, 11, 14, -58, -164, -131, -207, -384, -232, -408, -510, -288, -442, -400, 71, -202, -69, 198, 236, 287, 705, 558, 524, 914, 744, 272, 820, 455, 241, 459, 182, -370, -31, -321, -787, -360, -488, -984, -462, -592, -850, -433, -351, -460, 6, 65, -158, 265, 320, 222, 428, 498, 368, 364, 368, 139, 179, 256, -42, 34, 37, -148, -54, -108, -152, -68, -76, -88, -24, -39, -20, 0, -4, -1, 8, -8}{4, 7, 7, 11, 11, 13, 14, 18}$$

**A301148 OSO T1**  $O(IT) = 26, O(PL) = 4$

$$\frac{1, 4, 8, 16, 27, 36, 46, 53, 29, 20, -17, -50, -66, -54, -42, -31, 18, 3, -1, 10, -2, -8, 0, 0, -1, 1}{4, 4, 5, 5}$$

**A301149 OSO T2**  $O(IT) = 25, O(PL) = 5$

$$\frac{1, 4, 8, 15, 24, 26, 36, 16, 5, -44, -57, -89, -82, -23, -2, 48, 62, 44, 19, -4, -6, -1, -10, 8, 2}{3, 4, 4, 5, 5}$$

**A301150 OWE T1**  $O(IT) = 28, O(PL) = 4$

1, 4, 9, 18, 34, 53, 66, 73, 80, 88, 87, 65, 33, 9, -9, -33, -65, -87, -88, -80, -73, -66,  
-53, -34, -18, -9, -4, -1

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4, 6, 7, 10

**A301151 OWE T2**  $O(IT) = 28, O(PL) = 4$

1, 4, 9, 19, 33, 48, 65, 75, 82, 92, 87, 66, 36, 9, -9, -36, -66, -87, -92, -82, -75, -65,  
-48, -33, -19, -9, -4, -1

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4, 6, 7, 10

**A301152 OWE T3**  $O(IT) = 23, O(PL) = 4$

1, 4, 11, 22, 31, 44, 61, 71, 70, 50, 22, 0, -22, -50, -70, -71, -61, -44, -31, -22, -11, -4, -1

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4, 5, 6, 7

**A301153 PON T1**  $O(IT) = 36, O(PL) = 4$

1, 4, 10, 20, 35, 51, 62, 75, 87, 85, 77, 69, 59, 35, 12, 10, 6, -9, -14, -12, -31, -57,  
-68, -73, -83, -89, -77, -63, -55, -37, -18, -8, -3, 1, 0, -2

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4, 5, 8, 16

**A301154 PON T2**  $O(IT) = 32, O(PL) = 4$

1, 4, 10, 20, 33, 50, 72, 88, 98, 113, 121, 112, 94, 71, 41, 3, -35, -66, -92, -112, -123,  
-117, -102, -91, -76, -53, -35, -22, -8, -2, 1, 2

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4, 8, 8, 10

**A301155 PON T3**  $O(IT) = 42, O(PL) = 4$

1, 4, 10, 19, 33, 52, 68, 87, 109, 119, 122, 133, 134, 120, 107, 88, 73, 47, 13, -1, -15,  
-48, -75, -85, -101, -118, -132, -133, -124, -122, -113, -90, -68, -51, -33, -18,  
-8, -2, 1, 0, -2, -1

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4, 8, 10, 16

**A301156 PON T4**  $O(IT) = 31, O(PL) = 4$

1, 4, 11, 20, 33, 51, 72, 90, 100, 113, 121, 110, 91, 70, 37, 0, -37, -70, -91, -110, -121,  
-113, -100, -90, -72, -51, -33, -20, -11, -4, -1

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4, 8, 8, 10

**A301157 PON T5**  $O(IT) = 42, O(PL) = 4$

1, 4, 9, 18, 33, 50, 66, 86, 107, 118, 126, 134, 135, 125, 105, 92, 77, 48, 18, -1, -19, -49,  
-75, -86, -95, -119, -136, -136, -131, -123, -113, -90, -68, -54, -37, -19, -6,  
1, 5, 2, -2, -1

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4, 8, 10, 16

**A301158 PON T6**  $O(IT) = 26, O(PL) = 4$

1, 4, 10, 21, 37, 52, 62, 74, 85, 80, 63, 49, 21, -21, -47, -63, -80, -85, -75, -64, -52,  
-37, -21, -9, -4, -1

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4, 5, 8, 8

**A301159 RRO T1**  $O(IT) = 48, O(PL) = 6$

1, 4, 11, 22, 35, 41, 49, 67, 66, 39, 2, -14, -5, -34, -105, -150, -126, -67, -70, -126,  
-145, -67, 29, 27, -24, -30, 60, 145, 127, 71, 68, 122, 151, 106, 36, 8, 14, 0, -40, -66,  
-66, -50, -42, -36, -22, -11, -4, -1

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3, 4, 7, 8, 10, 15

**A301160 RRO T2**  $O(IT) = 73, O(PL) = 7$

1, 4, 10, 18, 33, 49, 67, 74, 88, 107, 108, 88, 53, 30, -2, -48, -128, -205, -237, -259,  
-305, -360, -356, -314, -257, -203, -133, -39, 59, 168, 292, 406, 449, 460, 473,  
510, 496, 406, 262, 145, 79, 8, -91, -208, -292, -342, -345, -319, -291, -285, -277,  
-223, -118, -35, 11, 18, 35, 76, 123, 128, 92, 70, 57, 51, 34, 24, 12, 1, -6, -4, 2, 3, 2

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3, 8, 8, 10, 10, 14, 15

**A301161 RRO T3**  $O(IT) = 67, O(PL) = 7$

1, 4, 11, 20, 31, 47, 58, 55, 53, 58, 59, 34, -11, -41, -58, -80, -126, -168, -180, -186,  
-184, -177, -158, -124, -79, -20, 33, 104, 152, 194, 247, 290, 305, 265, 227, 190, 176,  
125, 34, -46, -95, -115, -138, -163, -193, -204, -194, -159, -110, -67, -61, -54,  
-20, 36, 70, 59, 47, 47, 57, 51, 39, 22, 7, 1, -2, 2, 2

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3, 4, 8, 10, 10, 14, 15



**A301162 RRO T4**  $O(IT) = 76, O(PL) = 7$

1, 4, 10, 19, 30, 52, 66, 74, 86, 107, 112, 89, 48, 21, 8, -40, -129, -209, -239, -263, -297, -351, -358, -320, -269, -208, -125, -25, 54, 158, 275, 402, 473, 472, 471, 490, 496, 407, 283, 155, 77, -3, -105, -206, -279, -324, -360, -332, -305, -275, -269, -216, -134, -36, 12, 13, 42, 85, 125, 115, 94, 72, 65, 51, 33, 22, 12, 0, -6, -3, 1, 1, 1, 1, 0, 1

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3, 8, 8, 10, 10, 14, 15

**A301163 RRO T5**  $O(IT) = 65, O(PL) = 6$

1, 4, 12, 17, 30, 50, 72, 78, 72, 100, 127, 112, 44, 13, 43, 27, -47, -143, -177, -167, -170, -226, -304, -292, -239, -195, -175, -147, -89, -18, 75, 147, 191, 201, 215, 272, 306, 268, 188, 149, 155, 153, 81, -17, -57, -27, -36, -92, -125, -112, -78, -80, -70, -58, -30, -19, -14, -2, 3, 4, -2, 0, 0, 0, -2

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3, 8, 8, 10, 14, 15

**A301164 RWR T1**  $O(IT) = 47, O(PL) = 6$

1, 4, 12, 23, 38, 56, 71, 82, 84, 66, 43, -4, -52, -107, -162, -200, -232, -223, -217, -156, -92, -7, 84, 140, 206, 235, 241, 205, 172, 114, 64, 10, -49, -61, -84, -89, -79, -65, -38, -22, -14, -3, 3, 3, 1, -1, -1

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3, 6, 6, 7, 10, 10

**A301165 RWR T2**  $O(IT) = 45, O(PL) = 6$

1, 4, 11, 21, 34, 44, 48, 48, 37, 21, -1, -38, -64, -103, -122, -130, -128, -115, -77, -37, 15, 63, 87, 136, 144, 132, 109, 84, 50, 25, -25, -39, -42, -54, -54, -46, -29, -13, -4, -7, 8, 4, 4, 0, -2

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3, 3, 6, 7, 10, 10

**A301166 RWY T1**  $O(IT) = 16, O(PL) = 3$

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1, 4, 6, 12, 16, 24, 30, 32, 35, 32, 34, 24, 16, 12, 6, 4

4, 6, 6

**A301167 SFG T1**  $O(IT) = 266, O(PL) = 9$

1, 4, 12, 24, 38, 61, 83, 117, 159, 205, 246, 293, 359, 425, 489, 548, 619, 683, 743, 835, 905, 953, 994, 1085, 1143, 1147, 1182, 1206, 1190, 1158, 1062, 1027, 898, 744, 594, 420, 207, -80, -305, -570, -940, -1269, -1602, -1922, -2395, -2794, -3141, -3547, -3954, -4389, -4728, -5080, -5454, -5667, -5877, -6108, -6279, -6332, -6257, -6306, -6152, -5941, -5613, -5328, -4877, -4305, -3689, -3086, -2254, -1450, -529, 317, 1438, 2437, 3514, 4514, 5732, 6774, 7849, 8787, 9963, 10798, 11759, 12455, 13297, 13778, 14353, 14721, 15070, 15022, 15050, 14843, 14628, 14014, 13520, 12677, 11850, 10706, 9611, 8303, 6908, 5353, 3881, 2141, 494, -1293, -2920, -4719, -6482, -8129, -9778, -11318, -12860, -14125, -15383, -16543, -17505, -18273, -19027, -19475, -19846, -19757, -19884, -19552, -19195, -18451, -17795, -16807, -15779, -14443, -13327, -11676, -10284, -8461, -7067, -5129, -3497, -1693, -110, 1792, 3329, 5092, 6401, 8045, 9183, 10547, 11454, 12579, 13279, 13988, 14426, 14948, 14976, 15180, 15001, 14946, 14432, 14048, 13432, 12803, 11982, 11146, 10161, 9199, 8102, 7094, 5995, 4901, 3789, 2729, 1711, 610, -312, -1246, -2069, -2861, -3560, -4217, -4739, -5248, -5576, -5953, -6096, -6352, -6310, -6405, -6284, -6214, -5969, -5828, -5496, -5257, -4834, -4547, -4029, -3731, -3254, -2928, -2455, -2093, -1684, -1366, -978, -690, -335, -157, 193, 332, 574, 725, 909, 977, 1107, 1151, 1219, 1205, 1231, 1161, 1179, 1100, 1050, 984, 932, 850, 777, 706, 645, 559, 523, 436, 379, 320, 263, 207, 166, 115, 87, 59, 43, 22, 11, -3, -8, -1, -4, -8, -1, -1, -1, 0, -2, -6, -3, -2, -1, 1, -2, -4, 3, 4, 1, 0, -1, -1, 2, 1

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13, 21, 23, 24, 25, 30, 32, 36, 38

**A301168 SFG T2**  $O(IT) = 249, O(PL) = 9$

1, 4, 11, 22, 38, 55, 79, 114, 158, 201, 242, 298, 355, 416, 474, 554, 627, 687, 750, 815, 887, 955, 1023, 1084, 1115, 1139, 1165, 1233, 1231, 1142, 1076, 987, 880, 783, 653, 470, 165, -64, -305, -571, -896, -1254, -1570, -1971, -2363, -2735, -3117, -3527, -4011, -4353, -4692, -5083, -5404, -5669, -5887, -6134, -6248, -6259, -6353, -6363, -6222, -5869, -5589, -5332, -4876, -4397, -3790, -3090, -2225, -1411, -666, 271, 1372, 2443, 3456, 4511, 5672, 6686, 7735, 8860, 9947, 10836, 11623, 12506, 13248, 13770, 14311, 14752, 15025, 15006, 15047, 14958, 14573, 14017, 13464, 12829, 11868, 10747, 9670, 8339, 6897, 5447, 3966, 2270, 401, -1236, -2870, -4617, -6405, -8114, -9674, -11346, -12796, -14044, -15305, -16498, -17556, -18235, -18949, -19532, -19740, -19808, -19809, -19648, -19138, -18450, -17835, -16852, -15730, -14508, -13282, -11844, -10172, -8652, -7005, -5211, -3481, -1798, -184, 1715, 3438, 4954, 6430, 7878, 9216, 10353, 11524, 12582, 13240, 13853, 14421, 14896, 15050, 15037, 15101, 14868, 14456, 13982, 13480, 12802, 11907, 11135, 10257, 9179, 8080, 7069, 6079, 4905, 3820, 2815, 1698, 597, -355, -1131, -1959, -2865, -3566, -4223, -4764, -5232, -5516, -5788, -6163, -6335, -6338, -6284, -6273, -6199, -5964, -5801, -5552, -5191, -4815, -4480, -4159, -3683, -3256, -2908, -2493, -2090, -1670, -1352, -982, -645, -409, -156, 84, 390, 588, 725, 876, 969, 1058, 1132, 1231, 1244, 1169, 1162, 1148, 1121, 1059, 984, 920, 814, 753, 709, 650, 575, 494, 451, 381, 313, 258, 212, 168, 122, 96, 67, 39, 23, 11, 2, -6, -7, -2, 3, 1, 0, 1

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13, 21, 23, 24, 25, 30, 32, 36, 38

**A301169 SFG T3**  $O(IT) = 250, O(PL) = 9$

1, 4, 12, 22, 35, 61, 86, 121, 155, 199, 248, 306, 360, 414, 487, 552, 614, 698, 742, 790,  
844, 899, 932, 939, 960, 968, 954, 901, 814, 743, 583, 452, 292, 92, -155, -389, -628,  
-938, -1274, -1550, -1876, -2207, -2560, -2850, -3161, -3481, -3757, -4019,  
-4238, -4475, -4589, -4668, -4756, -4750, -4671, -4517, -4360, -4166, -3772,  
-3412, -2950, -2469, -1858, -1287, -631, 100, 861, 1617, 2454, 3226, 4192, 4877,  
5745, 6523, 7294, 7944, 8611, 9207, 9757, 10104, 10542, 10674, 10929, 10800, 10790,  
10581, 10206, 9795, 9278, 8576, 7837, 6829, 6024, 4859, 3772, 2570, 1338, 113, -1304,  
-2516, -3814, -5180, -6365, -7642, -8666, -9793, -10814, -11519, -12450, -12983,  
-13549, -13852, -14121, -14275, -14125, -13950, -13695, -13147, -12703, -11757,  
-11185, -10083, -9078, -7971, -6805, -5569, -4281, -2924, -1782, -218, 848, 2247,  
3351, 4612, 5664, 6587, 7535, 8398, 9040, 9743, 10047, 10645, 10716, 10892, 10955, 10808,  
10613, 10287, 9930, 9483, 8804, 8280, 7501, 6818, 5984, 5156, 4465, 3498, 2724, 1912,  
1110, 348, -453, -1071, -1727, -2379, -2800, -3331, -3655, -4119, -4319, -4516,  
-4692, -4795, -4791, -4769, -4669, -4590, -4282, -4178, -3884, -3628, -3286,  
-2990, -2681, -2334, -1974, -1705, -1339, -1044, -700, -495, -198, 42, 247, 407,  
584, 711, 822, 893, 999, 991, 996, 987, 976, 926, 878, 827, 779, 721, 653, 587, 537, 439,  
374, 320, 255, 209, 183, 129, 88, 62, 35, 17, 6, -20, -12, 2, -6, -1, -4, -10, -3, -1,  
-3, -6, -4, -5, 4, 4, -2, -2, -1, -3, 1, 3, 3, 1, 2, 1

13, 16, 21, 23, 24, 25, 30, 36, 38

**A301170 SFG T4**  $O(IT) = 265, O(PL) = 9$

1, 4, 10, 20, 37, 62, 90, 120, 155, 193, 241, 304, 374, 426, 475, 549, 625, 683, 750, 826,  
903, 951, 1002, 1073, 1139, 1181, 1193, 1197, 1161, 1112, 1104, 1061, 924, 725, 577,  
412, 189, -39, -298, -598, -939, -1272, -1566, -1951, -2380, -2779, -3141, -3569,  
-4019, -4340, -4692, -5095, -5443, -5681, -5875, -6147, -6294, -6309, -6313,  
-6274, -6128, -5895, -5707, -5404, -4845, -4229, -3692, -3126, -2321, -1425,  
-587, 407, 1443, 2430, 3398, 4522, 5755, 6813, 7802, 8887, 9924, 10800, 11640, 12592,  
13329, 13816, 14302, 14767, 15031, 15054, 15036, 14969, 14565, 14067, 13530, 12803,  
11772, 10681, 9674, 8423, 6885, 5351, 3861, 2223, 446, -1205, -2908, -4783, -6555,  
-8126, -9666, -11323, -12866, -14137, -15405, -16638, -17574, -18258, -18971,  
-19582, -19814, -19872, -19869, -19676, -19147, -18526, -17869, -16917, -15683,  
-14512, -13304, -11809, -10167, -8629, -7046, -5268, -3417, -1722, -14, 1778,  
3404, 4874, 6464, 8060, 9368, 10421, 11549, 12585, 13359, 13950, 14544, 14953, 15041,  
15109, 15155, 14949, 14531, 14060, 13556, 12801, 11911, 11136, 10287, 9229, 8122, 7131,  
6073, 4850, 3739, 2725, 1703, 664, -301, -1173, -2155, -2995, -3584, -4134, -4754,  
-5333, -5683, -5916, -6156, -6279, -6350, -6402, -6431, -6260, -5974, -5789,  
-5543, -5222, -4871, -4538, -4183, -3692, -3272, -2897, -2488, -2051, -1657,  
-1348, -1007, -681, -396, -93, 180, 413, 550, 702, 917, 1052, 1119, 1137, 1178, 1222,  
1239, 1259, 1209, 1105, 1012, 969, 935, 858, 788, 721, 642, 571, 504, 451, 383, 301, 251,  
207, 170, 133, 93, 55, 20, 7, 2, -3, -10, -11, 0, 0, 1, -2, -14, -8, -1, 0, 2, -3, -5,  
-1, 3, 0, -2, -2, -3, 4, 7, 3, 1

13, 21, 23, 24, 25, 30, 32, 36, 38

**A301171 SFG T5**  $O(IT) = 268, O(PL) = 9$

1, 4, 12, 24, 36, 53, 85, 120, 150, 192, 241, 294, 371, 444, 476, 527, 587, 677, 767, 859,  
905, 928, 992, 1062, 1127, 1181, 1177, 1199, 1210, 1165, 1108, 1010, 913, 763, 580, 436,  
222, -21, -291, -579, -900, -1257, -1590, -1953, -2314, -2764, -3150, -3508,  
-3931, -4358, -4741, -5146, -5402, -5685, -5881, -6098, -6267, -6355, -6342,  
-6286, -6182, -6014, -5659, -5328, -4876, -4374, -3759, -3138, -2370, -1529,  
-590, 331, 1395, 2385, 3422, 4502, 5640, 6748, 7819, 8827, 9828, 10824, 11728, 12561,  
13288, 13825, 14283, 14741, 15028, 15199, 15150, 14961, 14641, 14146, 13492, 12805,  
11869, 10879, 9694, 8464, 6968, 5493, 3895, 2318, 516, -1158, -2922, -4642, -6463,  
-8040, -9713, -11266, -12807, -14189, -15498, -16551, -17542, -18236, -18982,  
-19546, -19949, -19985, -19940, -19648, -19222, -18593, -17912, -16974, -15878,  
-14586, -13293, -11872, -10288, -8710, -7066, -5336, -3496, -1741, -46, 1631,  
3328, 4880, 6480, 7992, 9346, 10485, 11607, 12482, 13323, 13988, 14606, 14951, 15192,  
15133, 15123, 14896, 14616, 14121, 13601, 12821, 12077, 11160, 10299, 9257, 8230, 7158,  
6063, 4865, 3806, 2740, 1751, 680, -259, -1231, -2128, -2966, -3582, -4159, -4750,  
-5273, -5634, -5997, -6200, -6303, -6381, -6409, -6406, -6260, -6071, -5793,  
-5531, -5223, -4896, -4584, -4172, -3685, -3312, -2892, -2514, -2060, -1680,  
-1364, -1004, -677, -408, -82, 172, 421, 533, 724, 908, 1066, 1110, 1161, 1198, 1196,  
1219, 1264, 1202, 1142, 1028, 966, 922, 865, 803, 720, 645, 563, 480, 468, 400, 316, 242,  
190, 163, 133, 95, 51, 22, 21, 16, 2, -13, -26, -22, 0, 10, 3, -7, -12, 0, 6, -2, -8, -7,  
-4, 5, 8, 2, -1, 0, 0, 0, -1, -3, 1, 5, 2

13, 21, 23, 24, 25, 30, 32, 36, 38

**A301172 SFG T6**  $O(IT) = 264, O(PL) = 9$

1, 4, 12, 22, 35, 52, 88, 118, 148, 182, 244, 307, 363, 425, 491, 523, 592, 679, 797, 849, 864, 949, 1022, 1045, 1101, 1180, 1248, 1181, 1181, 1170, 1115, 1000, 894, 804, 635, 353, 245, 24, -279, -684, -901, -1163, -1624, -1987, -2294, -2680, -3182, -3617, -3864, -4338, -4823, -5114, -5345, -5647, -6029, -6087, -6166, -6413, -6474, -6242, -6066, -6016, -5804, -5206, -4891, -4423, -3870, -2981, -2412, -1604, -607, 559, 1257, 2291, 3403, 4694, 5482, 6741, 7891, 8987, 9660, 10828, 11777, 12632, 13053, 13968, 14383, 14768, 14855, 15372, 15195, 14916, 14465, 14336, 13532, 12730, 11849, 11067, 9646, 8338, 7014, 5608, 3781, 2195, 709, -1041, -3049, -4758, -6284, -8101, -9854, -11260, -12638, -14320, -15543, -16540, -17339, -18517, -19002, -19504, -19787, -20277, -19853, -19572, -19145, -18910, -17745, -16987, -15844, -14869, -13035, -11838, -10355, -8884, -6793, -5426, -3583, -1866, 279, 1510, 3294, 4844, 6704, 7785, 9340, 10565, 11734, 12298, 13389, 14112, 14689, 14754, 15210, 15254, 15103, 14778, 14718, 14240, 13514, 12781, 12162, 11183, 10169, 9248, 8359, 7167, 5940, 4973, 3848, 2689, 1584, 804, -249, -1269, -2207, -2812, -3612, -4214, -4810, -5137, -5788, -6007, -6180, -6211, -6452, -6426, -6391, -6220, -6177, -5763, -5521, -5153, -5023, -4494, -4139, -3737, -3363, -2851, -2498, -2052, -1750, -1228, -1046, -723, -408, -32, 170, 357, 573, 780, 875, 1058, 1101, 1196, 1120, 1213, 1275, 1263, 1195, 1136, 1050, 972, 858, 876, 811, 736, 624, 575, 524, 436, 377, 313, 234, 206, 163, 159, 96, 36, 21, 17, 3, -2, -25, -8, -3, 2, 7, -2, -14, -7, -1, 1, -2, -1, -7, 3, 3, -2, 0, -2, -3, 4, 5, 4

13, 21, 23, 24, 25, 30, 32, 36, 38

**A301173 SFG T7**  $O(IT) = 241, O(PL) = 8$

1, 4, 11, 21, 37, 56, 85, 122, 161, 192, 240, 305, 364, 424, 488, 541, 600, 672, 774, 840, 892, 928, 997, 1070, 1119, 1175, 1211, 1225, 1220, 1182, 1205, 1144, 1048, 925, 830, 727, 580, 425, 199, -97, -347, -580, -767, -1101, -1439, -1811, -2159, -2461, -2838, -3161, -3529, -3883, -4164, -4455, -4668, -4966, -5207, -5381, -5523, -5520, -5560, -5511, -5495, -5381, -5177, -4916, -4569, -4205, -3817, -3283, -2736, -1990, -1483, -819, -181, 647, 1470, 2317, 3135, 3907, 4548, 5412, 6136, 7016, 7592, 8291, 8796, 9372, 9774, 10216, 10503, 10731, 10667, 10835, 10720, 10740, 10342, 10086, 9545, 9015, 8348, 7742, 6970, 6185, 5158, 4358, 3242, 2301, 1181, 227, -879, -1908, -2946, -3897, -4883, -5747, -6733, -7422, -8218, -8813, -9427, -9863, -10266, -10593, -10700, -10802, -10833, -10775, -10668, -10331, -9944, -9484, -8976, -8508, -7887, -7314, -6484, -5710, -4874, -4147, -3401, -2600, -1712, -930, -123, 490, 1248, 1784, 2604, 3172, 3721, 4047, 4424, 4736, 5130, 5324, 5560, 5546, 5684, 5536, 5576, 5419, 5296, 5011, 4834, 4582, 4377, 3993, 3700, 3237, 2962, 2530, 2323, 1955, 1611, 1197, 926, 639, 413, 94, -122, -395, -484, -666, -765, -933, -1063, -1194, -1185, -1201, -1209, -1241, -1201, -1229, -1163, -1124, -1039, -978, -909, -865, -779, -712, -633, -574, -510, -468, -379, -302, -247, -214, -169, -135, -88, -61, -39, -25, 0, 6, 9, 5, -8, -6, 12, 7, -1, -2, 2, 6, 7, -1, -2, 3, 1, 1, 4, -3, -5, 0, 1, -2, -1

13, 21, 23, 25, 30, 32, 36, 38

**A301174 SFG T8**  $O(IT) = 268, O(PL) = 9$

1, 4, 10, 21, 40, 63, 88, 118, 156, 200, 247, 299, 361, 433, 497, 547, 602, 673, 755, 833, 901, 958, 999, 1058, 1144, 1197, 1190, 1162, 1153, 1150, 1119, 1031, 900, 755, 569, 379, 199, -18, -303, -621, -917, -1237, -1604, -1973, -2356, -2765, -3194, -3578, -3935, -4335, -4738, -5115, -5415, -5664, -5910, -6107, -6263, -6333, -6316, -6231, -6104, -5972, -5734, -5333, -4818, -4267, -3697, -3047, -2325, -1493, -542, 423, 1411, 2406, 3458, 4567, 5687, 6801, 7844, 8852, 9851, 10817, 11742, 12556, 13273, 13857, 14314, 14710, 14979, 15086, 15051, 14882, 14596, 14121, 13501, 12721, 11783, 10736, 9596, 8362, 6957, 5402, 3800, 2186, 520, -1246, -3018, -4742, -6477, -8144, -9712, -11252, -12785, -14225, -15463, -16543, -17527, -18347, -18972, -19460, -19812, -19934, -19842, -19592, -19189, -18578, -17781, -16825, -15757, -14544, -13198, -11766, -10263, -8669, -6972, -5231, -3480, -1688, 51, 1717, 3350, 4940, 6500, 7982, 9319, 10500, 11551, 12513, 13319, 13997, 14519, 14867, 15087, 15147, 15105, 14927, 14562, 14067, 13470, 12775, 11977, 11121, 10226, 9222, 8187, 7119, 6008, 4873, 3739, 2709, 1720, 717, -283, -1262, -2130, -2924, -3607, -4186, -4752, -5274, -5675, -5931, -6112, -6271, -6364, -6415, -6381, -6258, -6035, -5748, -5506, -5232, -4899, -4531, -4135, -3729, -3293, -2872, -2466, -2066, -1683, -1317, -1011, -712, -383, -79, 172, 367, 556, 736, 898, 1048, 1127, 1157, 1170, 1197, 1243, 1254, 1194, 1100, 1032, 980, 921, 863, 793, 716, 638, 564, 507, 448, 384, 324, 259, 197, 152, 125, 94, 58, 29, 11, 8, 7, -4, -18, -20, -5, 6, 1, -9, -11, 0, 6, 0, -6, -8, -5, 3, 7, 2, -2, 0, 2, 1, -1, -2, 1, 4, 2

13, 21, 23, 24, 25, 30, 32, 36, 38

**A301175 SFG T9**  $O(IT) = 248$ ,  $O(PL) = 9$

1, 4, 12, 24, 36, 56, 80, 116, 156, 193, 235, 303, 367, 412, 485, 557, 625, 690, 764, 825, 876, 970, 1045, 1092, 1115, 1131, 1184, 1226, 1219, 1166, 1078, 1002, 863, 790, 654, 427, 188, -91, -303, -598, -901, -1231, -1646, -1980, -2400, -2746, -3132, -3579, -3993, -4396, -4752, -5093, -5444, -5693, -5985, -6088, -6260, -6301, -6349, -6376, -6194, -5946, -5610, -5240, -4921, -4345, -3785, -2983, -2252, -1425, -583, 349, 1372, 2525, 3584, 4665, 5622, 6791, 7808, 8923, 9962, 10922, 11774, 12536, 13266, 13935, 14357, 14756, 14966, 15168, 15068, 14925, 14621, 14085, 13453, 12695, 11836, 10764, 9494, 8252, 6926, 5431, 3847, 2110, 436, -1443, -3050, -4752, -6419, -8227, -9875, -11393, -12869, -14286, -15399, -16619, -17527, -18470, -18948, -19491, -19770, -19955, -19801, -19635, -19162, -18598, -17644, -16868, -15635, -14516, -13091, -11767, -10243, -8551, -6795, -5146, -3361, -1688, 87, 1672, 3519, 5094, 6564, 7942, 9308, 10584, 11635, 12547, 13398, 13938, 14464, 14840, 15110, 15180, 15000, 14899, 14489, 14014, 13350, 12741, 11949, 11056, 10164, 9204, 8066, 7011, 5851, 4909, 3743, 2678, 1607, 615, -417, -1247, -2052, -2818, -3708, -4260, -4833, -5182, -5612, -5856, -6135, -6343, -6395, -6322, -6272, -6161, -6050, -5721, -5494, -5177, -4828, -4463, -4097, -3708, -3238, -2816, -2473, -2056, -1699, -1275, -977, -655, -345, -123, 128, 358, 639, 747, 849, 987, 1072, 1154, 1202, 1232, 1216, 1141, 1150, 1112, 1069, 978, 879, 837, 769, 702, 633, 571, 493, 417, 388, 312, 264, 203, 164, 130, 81, 56, 46, 24, 10, 3, -6, -9, -5, 2, 4, 2

13, 21, 23, 24, 25, 30, 32, 36, 38

**A301176 SFG T10**  $O(IT) = 265$ ,  $O(PL) = 9$

1, 4, 12, 22, 36, 52, 78, 122, 148, 180, 236, 306, 364, 425, 476, 536, 596, 704, 778, 824, 886, 941, 1024, 1083, 1099, 1155, 1214, 1238, 1168, 1186, 1119, 992, 883, 798, 657, 466, 164, -5, -306, -596, -910, -1198, -1562, -2023, -2329, -2664, -3135, -3569, -3997, -4340, -4762, -5102, -5380, -5710, -5945, -6172, -6225, -6313, -6459, -6369, -6138, -5955, -5683, -5357, -4821, -4522, -3801, -3145, -2283, -1564, -602, 330, 1383, 2273, 3552, 4501, 5669, 6592, 7922, 8883, 9932, 10765, 11813, 12459, 13324, 13814, 14500, 14657, 15119, 15135, 15323, 14936, 14640, 14118, 13639, 12706, 12019, 10919, 9732, 8290, 7082, 5561, 3911, 2217, 611, -1183, -2992, -4653, -6331, -8111, -9856, -11317, -12781, -14190, -15597, -16466, -17589, -18362, -19123, -19389, -20015, -20038, -20071, -19519, -19327, -18648, -18057, -16788, -16027, -14564, -13333, -11691, -10546, -8679, -7061, -5129, -3710, -1669, -123, 1781, 3153, 5119, 6444, 7996, 9184, 10687, 11603, 12608, 13269, 14160, 14490, 15012, 15149, 15283, 15055, 14923, 14640, 14226, 13578, 12841, 12007, 11241, 10236, 9335, 8286, 7084, 6009, 4927, 3902, 2669, 1703, 664, -288, -1290, -2041, -2881, -3591, -4350, -4715, -5309, -5603, -6019, -6148, -6393, -6423, -6421, -6277, -6346, -6089, -5880, -5452, -5264, -4848, -4614, -4175, -3783, -3283, -2866, -2421, -2209, -1652, -1316, -944, -730, -378, -113, 150, 390, 623, 764, 899, 962, 1163, 1138, 1214, 1220, 1256, 1249, 1193, 1155, 1096, 935, 894, 818, 818, 744, 660, 546, 512, 463, 362, 326, 264, 176, 174, 142, 116, 54, 12, -2, 2, -8, -11, -24, -6, 6, 4, 6, 0, -22, -14, 2, 2, -2, -2, -8, 0, 2, -4, 0, 0, -6, 6, 12, 4

13, 21, 23, 24, 25, 30, 32, 36, 38

**A301177 SFG T11**  $O(IT) = 255$ ,  $O(PL) = 9$

1, 4, 10, 20, 36, 58, 83, 112, 152, 206, 250, 288, 344, 410, 477, 550, 632, 695, 748, 810, 876, 954, 1020, 1073, 1120, 1158, 1184, 1200, 1216, 1178, 1064, 967, 889, 810, 671, 448, 213, -56, -319, -592, -882, -1213, -1608, -1964, -2318, -2695, -3125, -3580, -3976, -4351, -4704, -5039, -5369, -5661, -5929, -6108, -6224, -6333, -6383, -6344, -6162, -5930, -5624, -5273, -4907, -4424, -3833, -3091, -2275, -1463, -627, 285, 1313, 2379, 3443, 4519, 5576, 6656, 7776, 8885, 9911, 10810, 11661, 12443, 13186, 13825, 14332, 14732, 14974, 15102, 15084, 14915, 14575, 14084, 13509, 12796, 11918, 10854, 9651, 8375, 6966, 5473, 3923, 2263, 548, -1192, -2864, -4573, -6332, -8066, -9755, -11281, -12733, -14075, -15307, -16466, -17481, -18353, -18985, -19448, -19786, -19897, -19829, -19571, -19157, -18578, -17793, -16883, -15809, -14620, -13284, -11817, -10317, -8656, -6960, -5253, -3564, -1882, -111, 1661, 3392, 4978, 6446, 7858, 9138, 10384, 11540, 12488, 13263, 13906, 14465, 14858, 15084, 15156, 15039, 14850, 14501, 14047, 13490, 12787, 12008, 11147, 10233, 9208, 8135, 7083, 6024, 4973, 3898, 2800, 1704, 616, -342, -1185, -1987, -2794, -3579, -4239, -4790, -5186, -5522, -5860, -6139, -6339, -6370, -6318, -6234, -6159, -6055, -5825, -5529, -5198, -4840, -4500, -4121, -3716, -3277, -2857, -2489, -2112, -1732, -1318, -963, -671, -397, -153, 110, 353, 588, 767, 872, 958, 1050, 1171, 1231, 1218, 1200, 1165, 1133, 1112, 1081, 1007, 890, 812, 759, 716, 660, 571, 495, 435, 377, 318, 264, 207, 152, 124, 101, 70, 40, 17, 4, 2, -3, -6, -3, -3, 1, 4, 1, 0, -1, -3, 1, 6, 3

13, 21, 23, 24, 25, 30, 32, 36, 38

**A301178 SFG T12**  $O(IT) = 265, O(PL) = 9$

1, 4, 10, 20, 38, 61, 86, 117, 152, 196, 246, 304, 360, 424, 489, 545, 625, 696, 742, 824, 896, 946, 1011, 1094, 1138, 1153, 1185, 1192, 1190, 1152, 1078, 1028, 917, 760, 592, 434, 202, -93, -314, -561, -907, -1264, -1613, -1953, -2354, -2759, -3155, -3562, -3987, -4401, -4689, -5040, -5453, -5715, -5916, -6108, -6283, -6342, -6312, -6273, -6169, -5962, -5650, -5316, -4896, -4316, -3718, -3081, -2306, -1437, -560, 312, 1371, 2455, 3491, 4570, 5650, 6745, 7848, 8907, 9914, 10827, 11687, 12521, 13328, 13898, 14313, 14735, 15001, 15090, 15111, 14927, 14586, 14104, 13558, 12789, 11814, 10764, 9630, 8378, 6938, 5420, 3907, 2231, 456, -1267, -2944, -4744, -6501, -8081, -9736, -11383, -12812, -14122, -15412, -16642, -17605, -18321, -18963, -19537, -19858, -19890, -19902, -19691, -19179, -18567, -17889, -16930, -15724, -14484, -13268, -11873, -10264, -8625, -7027, -5264, -3446, -1731, -44, 1721, 3405, 4956, 6476, 7988, 9302, 10492, 11604, 12599, 13372, 13992, 14494, 14905, 15147, 15172, 15115, 14937, 14565, 14132, 13560, 12773, 11949, 11155, 10284, 9275, 8202, 7105, 5988, 4902, 3817, 2757, 1675, 618, -296, -1199, -2090, -2931, -3598, -4218, -4842, -5272, -5606, -5944, -6177, -6323, -6380, -6420, -6365, -6238, -6062, -5829, -5565, -5180, -4855, -4601, -4201, -3732, -3263, -2881, -2478, -2067, -1711, -1336, -977, -653, -392, -149, 168, 420, 580, 734, 903, 1032, 1080, 1162, 1226, 1242, 1251, 1219, 1194, 1148, 1051, 970, 908, 846, 780, 736, 679, 565, 485, 442, 390, 332, 252, 198, 160, 139, 112, 53, 14, -10, -8, 4, -7, -12, -12, 0, 6, 2, -4, -22, -12, 4, 2, 2, -6, -8, -2, 2, -2, -4, 0, -2, 6, 12, 4

13, 21, 23, 24, 25, 30, 32, 36, 38

**A301179 SFH T1**  $O(IT) = 116, O(PL) = 8$

1, 4, 11, 22, 35, 56, 70, 92, 101, 117, 118, 116, 101, 65, 44, 3, -10, -90, -132, -188, -184, -229, -235, -261, -280, -237, -236, -208, -270, -194, -229, -170, -204, -178, -152, -74, 19, 41, 138, 216, 341, 411, 453, 516, 580, 634, 607, 516, 473, 387, 424, 240, 232, 95, 155, 69, 7, -77, -164, -102, -236, -225, -404, -382, -480, -493, -603, -637, -579, -522, -455, -424, -357, -234, -126, -39, -28, 69, 143, 194, 221, 173, 215, 196, 274, 205, 245, 227, 273, 257, 232, 225, 187, 198, 131, 96, 12, 3, -35, -66, -103, -118, -120, -117, -99, -99, -83, -56, -28, -19, -10, -3, 1, 0, -2, -1

5, 6, 8, 12, 13, 20, 22, 26

**A301180 SFH T2**  $O(IT) = 121, O(PL) = 8$

1, 4, 10, 20, 31, 53, 66, 92, 101, 119, 117, 114, 102, 62, 49, 5, 7, -78, -103, -181, -193, -232, -236, -241, -304, -231, -236, -199, -295, -229, -238, -196, -174, -158, -144, -98, 18, 49, 82, 178, 333, 434, 469, 515, 573, 586, 626, 537, 488, 381, 469, 326, 237, 89, 124, 77, 18, -43, -160, -139, -216, -201, -433, -433, -479, -426, -589, -617, -591, -553, -486, -437, -377, -305, -114, -10, -17, 10, 111, 193, 224, 197, 235, 211, 297, 242, 249, 175, 261, 268, 250, 227, 193, 214, 127, 116, 2, -2, -42, -41, -93, -126, -117, -114, -100, -118, -88, -70, -46, -20, -4, -6, -3, 14, 6, -2, 0, 0, 0, -2, 2

5, 6, 8, 12, 13, 20, 22, 26

**A301181 SFH T3**  $O(IT) = 96, O(PL) = 7$

1, 4, 12, 22, 35, 49, 78, 101, 120, 134, 134, 142, 150, 145, 120, 84, 35, -14, -72, -119, -185, -247, -282, -305, -330, -379, -395, -403, -395, -377, -351, -302, -272, -190, -139, -98, -13, 80, 203, 277, 377, 472, 555, 595, 604, 616, 599, 600, 559, 499, 395, 294, 197, 95, 17, -111, -161, -191, -237, -308, -369, -359, -394, -414, -410, -355, -336, -327, -265, -234, -198, -163, -64, -4, 10, 77, 127, 159, 140, 140, 148, 132, 119, 110, 97, 47, 30, 27, 11, 0, -8, -1, 3, -2, 0, 2

6, 6, 10, 13, 13, 20, 22

**A301182 SFH T4**  $O(IT) = 122, O(PL) = 8$

1, 4, 10, 19, 34, 46, 71, 86, 110, 115, 122, 108, 92, 84, 36, 29, -28, -50, -139, -135, -208, -242, -236, -260, -255, -276, -186, -271, -236, -260, -221, -222, -165, -136, -150, -81, -20, 39, 93, 199, 321, 404, 489, 554, 558, 593, 572, 576, 448, 488, 389, 348, 199, 175, 79, 54, 22, -58, -101, -189, -162, -303, -335, -478, -419, -533, -537, -594, -582, -576, -516, -425, -397, -252, -131, -50, -15, 57, 119, 159, 203, 241, 208, 264, 248, 280, 183, 246, 230, 255, 246, 245, 228, 152, 175, 70, 45, -24, -15, -77, -91, -102, -124, -112, -119, -106, -101, -61, -43, -23, -8, -2, 5, 6, 8, 0, -2, 0, 0, 0, -2, 2

5, 6, 8, 12, 13, 20, 22, 26

**A301183 SFH T5**  $O(IT) = 116, O(PL) = 8$

1, 4, 11, 22, 38, 51, 73, 88, 106, 114, 119, 111, 96, 85, 39, 15, -36, -84, -148, -151, -203, -230, -240, -248, -278, -258, -207, -257, -217, -225, -184, -237, -162, -178, -156, -86, 4, 80, 114, 250, 319, 383, 458, 548, 587, 593, 613, 556, 433, 444, 336, 303, 152, 214, 92, 72, 7, -76, -113, -211, -152, -300, -310, -437, -432, -551, -603, -592, -584, -552, -470, -390, -343, -254, -108, -84, -13, 83, 155, 182, 187, 236, 172, 227, 221, 256, 206, 262, 265, 242, 239, 230, 206, 149, 155, 88, 38, -7, -28, -86, -102, -107, -121, -118, -106, -95, -82, -53, -33, -17, -10, -3, 1, 0, -2, -1

5, 6, 8, 12, 13, 20, 22, 26

**A301184 SFH T6**  $O(IT) = 100, O(PL) = 7$

1, 4, 12, 19, 35, 54, 77, 95, 121, 129, 145, 161, 146, 134, 94, 102, 50, -3, -91, -136,  
-175, -242, -271, -348, -340, -375, -351, -400, -421, -379, -342, -267, -280,  
-206, -161, -69, 28, 56, 172, 223, 439, 490, 529, 571, 583, 708, 594, 614, 479, 502, 437,  
291, 204, 23, 36, -96, -121, -218, -295, -276, -338, -322, -440, -418, -374, -357,  
-324, -365, -270, -251, -160, -142, -107, -25, 37, 111, 95, 135, 146, 165, 149, 140,  
120, 88, 84, 66, 42, 8, 11, 9, -4, -9, -1, 6, -2, 0, 2, 2, 0, -2

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6, 6, 10, 13, 13, 20, 22

**A301185 SFH T7**  $O(IT) = 113, O(PL) = 8$

1, 4, 12, 22, 34, 49, 67, 92, 112, 119, 112, 105, 92, 82, 61, 11, -44, -84, -111, -156,  
-189, -236, -264, -254, -228, -243, -271, -249, -242, -236, -234, -204, -183,  
-142, -95, -80, -53, 35, 167, 234, 293, 399, 504, 565, 577, 564, 514, 522, 542, 467, 359,  
278, 269, 191, 105, 19, -26, -55, -91, -143, -263, -306, -327, -387, -522, -564,  
-540, -554, -557, -553, -524, -441, -295, -206, -191, -113, 13, 104, 123, 148, 189,  
218, 260, 262, 230, 203, 247, 257, 234, 240, 262, 252, 209, 166, 105, 72, 50, 11, -53, -84,  
-86, -93, -110, -129, -126, -108, -77, -49, -34, -26, -10, 4, 3

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5, 6, 8, 12, 13, 20, 22, 26

**A301186 SFH T8**  $O(IT) = 113, O(PL) = 8$

1, 4, 12, 23, 36, 52, 70, 92, 107, 115, 111, 108, 98, 88, 64, 0, -58, -94, -117, -169,  
-199, -226, -249, -250, -237, -246, -266, -230, -214, -216, -228, -204, -186,  
-169, -131, -92, -31, 71, 182, 234, 281, 392, 496, 553, 577, 578, 558, 548, 521, 409,  
316, 266, 251, 176, 104, 43, 4, -47, -112, -170, -241, -268, -314, -393, -519, -556,  
-556, -568, -579, -559, -496, -400, -289, -234, -182, -85, 23, 100, 133, 165, 188,  
210, 224, 214, 218, 228, 262, 246, 241, 248, 249, 230, 197, 163, 115, 100, 62, 4, -56, -84,  
-100, -108, -109, -121, -115, -92, -68, -52, -36, -23, -12, -4, -1

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5, 6, 8, 12, 13, 20, 22, 26

**A301187 SFN T1**  $O(IT) = 72, O(PL) = 8$

1, 4, 11, 22, 35, 55, 67, 83, 82, 79, 57, 21, -44, -122, -177, -238, -278, -336, -337,  
-316, -245, -173, -63, 52, 184, 353, 477, 571, 600, 646, 586, 511, 345, 181, 0, -186,  
-351, -510, -585, -648, -601, -569, -474, -355, -185, -44, 69, 173, 249, 321, 336,  
332, 275, 237, 175, 119, 46, -18, -60, -82, -82, -85, -70, -55, -32, -19, -10, -3,  
1, 0, -2, -1

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5, 6, 6, 7, 8, 10, 13, 13

**A301188 SFN T2**  $O(IT) = 72, O(PL) = 8$

1, 4, 11, 22, 38, 50, 70, 79, 86, 79, 59, 11, -45, -105, -185, -234, -292, -325, -342,  
-302, -260, -171, -66, 55, 202, 336, 473, 569, 634, 607, 602, 499, 354, 173, 0, -178,  
-360, -498, -601, -609, -635, -567, -470, -338, -203, -47, 72, 171, 264, 307, 341,  
321, 289, 233, 183, 102, 47, -8, -62, -82, -86, -81, -73, -50, -35, -19, -10, -3, 1,  
0, -2, -1

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5, 6, 6, 7, 8, 10, 13, 13

**A301189 SFN T3**  $O(IT) = 69, O(PL) = 8$

1, 4, 12, 22, 35, 50, 68, 87, 95, 76, 43, 7, -42, -105, -174, -246, -300, -321, -320,  
-300, -263, -188, -64, 77, 210, 343, 464, 557, 618, 632, 572, 475, 346, 188, 0, -188,  
-346, -475, -572, -632, -618, -557, -464, -343, -210, -77, 64, 188, 263, 300, 320,  
321, 300, 246, 174, 105, 42, -7, -43, -76, -95, -87, -68, -50, -35, -22, -12, -4, -1

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5, 6, 6, 7, 8, 10, 13, 13

**A301190 SFN T4**  $O(IT) = 72, O(PL) = 8$

1, 4, 12, 19, 33, 51, 65, 73, 77, 58, 43, 19, -41, -87, -154, -192, -227, -273, -316,  
-299, -255, -189, -77, 3, 144, 279, 399, 474, 527, 534, 561, 507, 380, 260, 69, -69,  
-251, -383, -509, -555, -560, -523, -454, -411, -274, -145, -5, 87, 175, 255, 309,  
306, 278, 236, 187, 151, 88, 42, -18, -46, -62, -69, -77, -71, -44, -36, -18, -11,  
-5, 2, -1, -1

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4, 6, 6, 7, 10, 10, 13, 13

**A301191 SFN T5**  $O(IT) = 69, O(PL) = 8$

1, 4, 12, 23, 35, 51, 67, 85, 90, 79, 47, 9, -46, -105, -172, -250, -298, -320, -319,  
-308, -255, -181, -63, 74, 208, 337, 459, 566, 621, 627, 564, 479, 350, 186, 0, -186,  
-350, -479, -564, -627, -621, -566, -459, -337, -208, -74, 63, 181, 255, 308, 319,  
320, 298, 250, 172, 105, 46, -9, -47, -79, -90, -85, -67, -51, -35, -23, -12, -4, -1

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5, 6, 6, 7, 8, 10, 13, 13

**A301192 SFN T6**  $O(IT) = 72, O(PL) = 8$

1, 4, 12, 21, 33, 45, 64, 79, 76, 73, 29, -2, -28, -85, -123, -198, -254, -286, -303,  
-287, -261, -187, -109, 33, 170, 273, 395, 451, 531, 559, 542, 495, 373, 259, 90, -86,  
-236, -397, -487, -545, -585, -517, -459, -384, -273, -164, -28, 97, 191, 244, 306,  
292, 284, 275, 183, 138, 75, 28, 6, -40, -67, -78, -79, -68, -41, -32, -22, -11, -5,  
2, -1, -1

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4, 6, 6, 7, 10, 10, 13, 13

**A301193 SFN T7**  $O(IT) = 71, O(PL) = 8$

1, 4, 10, 20, 31, 52, 67, 87, 85, 84, 60, 20, -39, -107, -169, -241, -276, -334, -340,  
-322, -254, -198, -92, 29, 181, 352, 463, 571, 614, 653, 608, 559, 365, 190, 27, -160,  
-331, -505, -600, -670, -626, -604, -491, -379, -234, -63, 78, 174, 256, 340, 337,  
339, 296, 260, 195, 129, 49, -9, -56, -89, -88, -100, -89, -63, -31, -19, -10, -4,  
1, 4, 2

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5, 6, 6, 7, 8, 10, 13, 13

**A301194 SFN T8**  $O(IT) = 71, O(PL) = 8$

1, 4, 10, 19, 34, 47, 70, 83, 95, 80, 59, 15, -37, -97, -177, -233, -294, -324, -347,  
-300, -276, -200, -90, 42, 183, 335, 477, 554, 641, 627, 631, 535, 385, 184, 27, -154,  
-351, -481, -623, -644, -653, -587, -505, -362, -236, -76, 76, 176, 278, 318, 344,  
329, 314, 252, 203, 119, 47, -4, -55, -85, -98, -96, -92, -58, -34, -18, -10, -4, 1,  
4, 2

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5, 6, 6, 7, 8, 10, 13, 13

**A301195 SFO T1**  $O(IT) = 39, O(PL) = 5$

1, 4, 10, 16, 24, 35, 42, 47, 51, 45, 30, 23, 16, -4, -25, -39, -56, -78, -93, -98, -93,  
-78, -56, -39, -25, -4, 16, 23, 30, 45, 51, 47, 42, 35, 24, 16, 10, 4, 1

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3, 5, 7, 11, 12

**A301196 SFO T2**  $O(IT) = 39, O(PL) = 5$

1, 4, 9, 17, 26, 33, 42, 50, 47, 40, 37, 28, 11, -5, -23, -45, -62, -74, -88, -96, -88,  
-74, -62, -45, -23, -5, 11, 28, 37, 40, 47, 50, 42, 33, 26, 17, 9, 4, 1

---

3, 5, 7, 11, 12

**A301197 SFO T3**  $O(IT) = 39, O(PL) = 5$

1, 4, 9, 17, 25, 32, 43, 52, 48, 39, 35, 26, 11, -2, -19, -43, -62, -75, -91, -100, -91,  
-75, -62, -43, -19, -2, 11, 26, 35, 39, 48, 52, 43, 32, 25, 17, 9, 4, 1

---

3, 5, 7, 11, 12

**A301198 SFO T4**  $O(IT) = 47, O(PL) = 5$

1, 4, 9, 15, 23, 35, 49, 59, 62, 64, 68, 73, 70, 48, 15, -12, -31, -57, -93, -124, -136,  
-134, -137, -144, -130, -93, -57, -35, -17, 15, 53, 74, 72, 64, 65, 69, 63, 47, 33, 26,  
19, 7, -3, -5, 0, 4, 2

---

3, 7, 10, 11, 12

**A301199 SIV T1**  $O(IT) = 44, O(PL) = 3$

1, 4, 9, 17, 28, 40, 51, 61, 73, 87, 98, 107, 119, 134, 147, 155, 165, 179, 190, 198, 208,  
217, 217, 208, 198, 190, 179, 165, 155, 147, 134, 119, 107, 98, 87, 73, 61, 51, 40, 28, 17,  
9, 4, 1

---

3, 20, 20

**A301200 SIV T2**  $O(IT) = 44, O(PL) = 3$

1, 4, 9, 17, 28, 39, 49, 60, 72, 83, 95, 111, 125, 133, 143, 158, 170, 177, 187, 202, 212,  
213, 213, 212, 202, 187, 177, 170, 158, 143, 133, 125, 111, 95, 83, 72, 60, 49, 39, 28, 17,  
9, 4, 1

---

3, 20, 20

**A301201 SIV T4**  $O(IT) = 29, O(PL) = 3$

1, 4, 9, 17, 28, 39, 47, 52, 55, 58, 60, 58, 56, 58, 60, 58, 56, 58, 60, 58, 55, 52, 47, 39, 28,  
17, 9, 4, 1

---

3, 5, 20

**A301202 SOS T1**  $O(IT) = 30, O(PL) = 4$

1, 4, 10, 19, 30, 42, 56, 64, 64, 57, 43, 31, 19, 9, 3, -3, -9, -18, -31, -42, -56, -65,  
-63, -57, -43, -30, -20, -10, -4, -1

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4, 5, 6, 14

**A301203 SOS T2**  $O(IT) = 34, O(PL) = 4$

1, 4, 8, 15, 26, 41, 58, 69, 70, 71, 70, 54, 29, 10, -5, -16, -29, -48, -62, -64, -65,  
-68, -68, -56, -34, -13, 0, 1, 3, 6, 1, -5, -3, -1  
-----  
4, 5, 7, 12

**A301204 SOS T3**  $O(IT) = 49, O(PL) = 4$

1, 4, 7, 15, 27, 41, 68, 93, 118, 142, 184, 211, 233, 248, 268, 277, 262, 236, 204, 180, 120,  
67, -8, -52, -113, -161, -204, -235, -264, -276, -268, -260, -223, -217, -189,  
-162, -110, -88, -67, -51, -32, -12, -6, -5, 0, 8, -5, -3, -3  
-----  
8, 10, 12, 14

**A301205 SSY T1**  $O(IT) = 109, O(PL) = 8$

1, 4, 12, 20, 36, 58, 79, 99, 120, 127, 140, 140, 136, 115, 93, 57, 19, -19, -73, -125,  
-206, -246, -287, -362, -434, -436, -500, -527, -534, -507, -462, -406, -333,  
-233, -112, -6, 171, 282, 386, 508, 692, 736, 840, 889, 989, 959, 908, 920, 858, 738, 585,  
496, 253, 121, -101, -242, -481, -584, -747, -815, -908, -955, -919, -976, -904,  
-868, -718, -679, -532, -450, -273, -165, -28, 100, 219, 336, 384, 479, 491, 564,  
521, 493, 457, 417, 366, 314, 264, 183, 135, 84, 34, -30, -51, -85, -117, -141, -144,  
-133, -133, -117, -106, -85, -62, -39, -22, -9, -4, 1, 2  
-----  
5, 6, 10, 12, 16, 16, 21, 21

**A301206 SSY T2**  $O(IT) = 116, O(PL) = 8$

1, 4, 10, 19, 35, 56, 80, 103, 128, 144, 171, 201, 212, 224, 213, 186, 169, 140, 54, -19, -95,  
-171, -275, -390, -486, -546, -703, -795, -816, -905, -885, -810, -814, -862,  
-650, -500, -305, -181, 67, 332, 545, 704, 951, 1240, 1324, 1579, 1571, 1632, 1634,  
1710, 1597, 1434, 1183, 1046, 892, 411, 146, -146, -383, -727, -951, -1274, -1401,  
-1501, -1668, -1689, -1723, -1593, -1494, -1372, -1271, -1018, -774, -534, -340,  
-223, 108, 370, 533, 595, 755, 831, 853, 883, 864, 893, 797, 727, 598, 486, 360, 332, 245,  
71, 0, -33, -91, -189, -193, -214, -218, -229, -206, -177, -163, -126, -104, -88,  
-68, -35, -19, -9, -4, 1, 4, 2  
-----  
5, 10, 12, 12, 16, 16, 21, 21

**A301207 SSY T3**  $O(IT) = 110, O(PL) = 8$

1, 4, 12, 24, 38, 56, 75, 104, 131, 151, 163, 173, 162, 165, 136, 95, 22, -31, -122, -187,  
-258, -350, -406, -484, -512, -594, -537, -585, -524, -551, -491, -420, -278,  
-157, -65, 122, 144, 447, 527, 740, 803, 1005, 1010, 1094, 1099, 1078, 1103, 895, 876,  
625, 550, 295, 212, -147, -310, -502, -654, -786, -987, -1013, -1134, -1102, -1139,  
-1005, -1010, -838, -714, -565, -407, -254, -61, 20, 174, 270, 415, 483, 535, 549,  
560, 580, 551, 572, 472, 410, 353, 274, 185, 132, 50, -37, -70, -150, -156, -177, -177,  
-169, -154, -139, -105, -79, -62, -34, -26, -10, 0, 3, 2, 2, -2, -2  
-----  
5, 8, 10, 12, 12, 16, 21, 21

**A301208 SSY T4**  $O(IT) = 116, O(PL) = 8$

1, 4, 10, 20, 35, 56, 79, 105, 126, 148, 169, 195, 221, 218, 203, 200, 179, 119, 58, -26, -87,  
-161, -285, -400, -462, -599, -657, -764, -901, -864, -834, -862, -847, -761,  
-723, -445, -336, -182, 48, 360, 551, 722, 912, 1162, 1491, 1461, 1602, 1611, 1674,  
1653, 1644, 1383, 1208, 1071, 823, 522, 30, -130, -332, -654, -1106, -1209, -1359,  
-1553, -1619, -1717, -1706, -1644, -1438, -1368, -1269, -1079, -723, -496, -444,  
-173, 128, 383, 479, 637, 708, 840, 896, 857, 890, 829, 822, 740, 617, 432, 407, 332, 202,  
94, 9, -35, -98, -157, -231, -207, -218, -215, -206, -188, -157, -131, -103, -86,  
-65, -41, -16, -10, -4, 1, 4, 2  
-----  
5, 10, 12, 12, 16, 16, 21, 21

**A301209 SSY T5**  $O(IT) = 118, O(PL) = 8$

1, 4, 12, 22, 37, 56, 83, 105, 130, 148, 176, 195, 214, 204, 221, 198, 166, 100, 42, -16, -86,  
-175, -288, -372, -548, -561, -673, -765, -879, -823, -873, -881, -849, -740,  
-572, -541, -309, -157, 108, 271, 641, 740, 911, 1165, 1427, 1524, 1527, 1656, 1681,  
1695, 1461, 1413, 1255, 1015, 747, 470, 107, -165, -347, -722, -1035, -1252, -1378,  
-1450, -1659, -1729, -1677, -1563, -1514, -1330, -1249, -994, -714, -620, -347,  
-107, 164, 309, 521, 547, 760, 825, 894, 910, 822, 821, 810, 721, 546, 537, 389, 298, 169,  
102, 26, -42, -112, -158, -192, -233, -203, -204, -205, -195, -150, -127, -103,  
-82, -60, -40, -26, -10, 0, 3, 2, 2, -2, -2  
-----  
5, 10, 12, 12, 16, 16, 21, 21

**A301210 SSY T6**  $O(IT) = 117, O(PL) = 8$

1, 4, 12, 22, 37, 54, 83, 108, 126, 143, 178, 203, 210, 209, 208, 211, 150, 106, 56, -21,  
-102, -140, -278, -430, -497, -578, -667, -777, -828, -859, -860, -901, -866,  
-724, -607, -467, -329, -173, 30, 359, 556, 760, 962, 1129, 1415, 1519, 1522, 1626,  
1775, 1622, 1558, 1365, 1214, 1111, 777, 394, 160, -145, -456, -629, -1050, -1260,  
-1356, -1497, -1655, -1739, -1737, -1483, -1458, -1462, -1190, -973, -815, -536,  
-354, -136, 193, 312, 483, 600, 700, 843, 965, 828, 841, 865, 786, 698, 588, 499, 402,  
314, 149, 111, 15, -42, -97, -159, -213, -208, -205, -225, -196, -192, -148, -125,  
-101, -92, -59, -38, -24, -9, -2, 5, 2, 0, -4  
-----  
5, 10, 12, 12, 16, 16, 21, 21



**A301211 SSY T7**  $O(IT) = 99, O(PL) = 8$

1, 4, 12, 24, 44, 55, 74, 98, 132, 154, 153, 132, 124, 110, 68, -17, -101, -196, -264,  
-326, -392, -451, -498, -426, -421, -366, -375, -166, -130, -99, -38, 41, 114,  
216, 377, 182, 392, 414, 666, 673, 737, 668, 799, 870, 642, 689, 396, 341, 14, -12, -361,  
-444, -569, -694, -816, -877, -642, -721, -595, -642, -506, -412, -222, -269,  
-278, -118, -63, 34, 93, 140, 170, 335, 396, 399, 448, 456, 461, 426, 322, 246, 220, 121,  
13, -30, -116, -146, -134, -145, -156, -138, -110, -78, -55, -44, -24, -12, -4,  
1, 2

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5, 8, 8, 10, 12, 12, 21, 21

**A301212 SSY T8**  $O(IT) = 109, O(PL) = 8$

1, 4, 12, 22, 38, 59, 73, 98, 116, 140, 133, 139, 131, 136, 78, 51, 31, -19, -69, -150,  
-188, -253, -299, -359, -394, -530, -464, -493, -519, -534, -450, -414, -333,  
-225, -130, 48, 132, 327, 341, 512, 620, 880, 798, 903, 917, 994, 944, 876, 874, 687, 635,  
436, 347, -16, -42, -251, -378, -735, -715, -740, -896, -974, -970, -919, -979,  
-776, -778, -646, -606, -365, -265, -200, -88, 182, 245, 275, 418, 464, 538, 513,  
509, 502, 458, 408, 409, 303, 217, 202, 158, 63, 31, -13, -53, -86, -128, -143, -139,  
-137, -128, -118, -108, -79, -61, -38, -22, -12, -4, 1, 2

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5, 6, 10, 12, 16, 16, 21, 21

**A301213 SZR T1**  $O(IT) = 40, O(PL) = 5$

1, 4, 10, 21, 38, 60, 83, 101, 114, 121, 116, 98, 66, 22, -26, -77, -132, -180, -212,  
-228, -228, -212, -180, -132, -77, -26, 22, 66, 98, 116, 121, 114, 101, 83, 60, 38, 21,  
10, 4, 1

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5, 6, 7, 10, 11

**A301214 SZR T2**  $O(IT) = 42, O(PL) = 5$

1, 4, 12, 23, 38, 58, 77, 102, 116, 118, 110, 100, 67, 30, -23, -73, -124, -176, -224,  
-237, -234, -219, -181, -130, -72, -17, 29, 63, 101, 115, 116, 112, 103, 80, 61, 36,  
21, 12, 5, -2, 1, 1

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5, 6, 7, 10, 11

**A301215 SZR T3**  $O(IT) = 49, O(PL) = 6$

1, 4, 10, 19, 34, 59, 84, 103, 110, 112, 114, 90, 32, -35, -103, -174, -239, -304, -347,  
-337, -293, -243, -171, -66, 53, 160, 236, 288, 334, 351, 315, 252, 184, 114, 44, -29,  
-91, -118, -118, -112, -107, -90, -61, -35, -20, -10, -3, 1, 2

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5, 6, 7, 8, 10, 11

**A301216 SZR T4**  $O(IT) = 45, O(PL) = 6$

1, 4, 12, 24, 37, 47, 71, 77, 72, 67, 34, -5, -39, -91, -131, -163, -199, -207, -198,  
-171, -116, -42, 28, 110, 169, 196, 207, 205, 173, 135, 93, 45, 11, -30, -67, -74, -77,  
-77, -53, -41, -26, -10, -4, 1, 2

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4, 5, 6, 7, 10, 11

**A301217 TOL T2**  $O(IT) = 37, O(PL) = 3$

1, 3, 6, 10, 14, 18, 20, 21, 22, 21, 20, 20, 21, 22, 21, 19, 19, 22, 24, 22, 19, 19, 21, 22, 21,  
20, 20, 21, 22, 21, 20, 18, 14, 10, 6, 3, 1

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1, 5, 30

**A301218 TOL T4**  $O(IT) = 37, O(PL) = 3$

1, 3, 6, 10, 14, 18, 20, 21, 22, 21, 19, 19, 22, 24, 22, 20, 20, 20, 20, 20, 20, 22, 24, 22,  
19, 19, 21, 22, 21, 20, 18, 14, 10, 6, 3, 1

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1, 5, 30

**A301219 TOL T5**  $O(IT) = 37, O(PL) = 3$

1, 3, 6, 10, 14, 17, 19, 22, 24, 22, 19, 19, 21, 22, 21, 21, 21, 20, 20, 20, 21, 21, 21, 22, 21,  
19, 19, 22, 24, 22, 19, 17, 14, 10, 6, 3, 1

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1, 5, 30

**A301220 TUN T1**  $O(IT) = 450, O(PL) = 14$

1, 4, 12, 22, 34, 59, 88, 116, 156, 194, 223, 263, 312, 351, 382, 392, 416, 443, 473, 457, 439,  
422, 403, 394, 293, 247, 110, 65, -12, -179, -315, -500, -592, -774, -918, -1148,  
-1393, -1550, -1684, -1912, -2173, -2283, -2434, -2511, -2630, -2680, -2771,  
-2726, -2534, -2518, -2449, -2259, -1960, -1716, -1399, -1042, -709, -271, 387,  
856, 1223, 1797, 2517, 3095, 3568, 4176, 4589, 5099, 5743, 6195, 6307, 6582, 7004, 7237,  
7195, 7199, 7139, 6883, 6873, 6590, 6070, 5409, 5164, 4720, 3933, 3205, 2480, 1785, 944,  
379, -721, -1640, -2392, -2964, -3874, -4926, -5409, -6129, -6564, -7259, -7649,  
-8289, -8570, -8548, -8889, -9202, -9510, -9106, -9200, -9127, -9058, -8957,  
-8702, -8335, -7741, -7849, -7563, -6949, -6345, -6082, -5846, -5157, -4869,  
-4310, -3606, -3242, -2914, -2435, -1410, -1196, -767, 15, 595, 1142, 1621, 2651,  
2811, 3651, 4459, 5110, 5466, 6123, 7366, 7396, 8155, 8546, 9480, 9649, 10291, 10935,  
10673, 11428, 11683, 12428, 11769, 12146, 12479, 12263, 12438, 12054, 12127, 11253,  
11535, 11313, 10516, 9855, 9503, 9417, 8258, 7901, 7141, 6338, 5607, 5093, 4431, 2793,  
2449, 1764, 711, -465, -1316, -1842, -3485, -3846, -4974, -6199, -7345, -8013,  
-8633, -10712, -11096, -12206, -13000, -14353, -14915, -15700, -17244, -17143,  
-18040, -18544, -19815, -19295, -19671, -20385, -19949, -20063, -19524, -19831,  
-18281, -18094, -17605, -16243, -15032, -13828, -13245, -10839, -9704, -8193,  
-6386, -4450, -2843, -1354, 1463, 2783, 4326, 6225, 8384, 9801, 10859, 13048, 13846,  
15085, 16328, 17574, 17986, 18251, 19842, 19668, 19952, 19887, 20319, 19834, 19308,  
19786, 18488, 18062, 17212, 17219, 15705, 14764, 14475, 13048, 12316, 10892, 10694,  
8749, 8110, 7389, 6041, 5005, 3761, 3721, 1810, 1244, 327, -574, -1628, -2521, -2786,  
-4531, -4970, -5606, -6238, -7329, -7978, -8160, -9325, -9534, -10000, -10462,  
-11303, -11452, -11289, -12213, -12107, -12317, -12184, -12587, -12298, -11743,  
-12325, -11614, -11473, -10811, -10930, -10222, -9485, -9613, -8595, -8216,  
-7246, -7295, -6197, -5532, -5175, -4253, -3705, -2767, -2835, -1554, -1097,  
-517, -30, 592, 1331, 1393, 2528, 2745, 3299, 3598, 4345, 4931, 5004, 5809, 6068, 6547,  
6847, 7493, 7811, 7772, 8384, 8700, 8927, 8921, 9220, 9309, 9074, 9391, 9204, 8962, 8589,  
8583, 8258, 7540, 7338, 6646, 6134, 5309, 4941, 3961, 2952, 2455, 1556, 770, -361, -823,  
-1856, -2589, -3158, -3914, -4612, -5277, -5412, -6147, -6481, -6815, -6945,  
-7175, -7233, -7070, -7273, -6992, -6716, -6301, -6140, -5697, -5131, -4689,  
-4140, -3584, -3020, -2544, -1842, -1262, -829, -353, 218, 706, 1060, 1407, 1729,  
1966, 2244, 2446, 2556, 2550, 2671, 2770, 2696, 2637, 2487, 2451, 2285, 2182, 1966, 1673,  
1520, 1366, 1218, 916, 764, 569, 466, 335, 201, 46, -128, -106, -227, -269, -406, -422,  
-430, -450, -415, -484, -458, -440, -363, -372, -352, -315, -283, -220, -192,  
-146, -134, -90, -54, -31, -22, -10, -4, 3, 7, -3, -2, -2, 1, -1

8, 12, 18, 19, 22, 26, 29, 30, 31, 32, 43, 47, 61, 65

**A301221 TUN T2**  $O(IT) = 443, O(PL) = 14$

1, 4, 12, 20, 37, 60, 88, 117, 146, 187, 230, 267, 289, 300, 302, 330, 321, 289, 259,  
206, 192, 172, 117, 26, -65, -59, -91, -187, -303, -414, -475, -506, -581, -772,  
-980, -1052, -1054, -1201, -1362, -1549, -1635, -1583, -1587, -1608, -1751,  
-1638, -1378, -1227, -1126, -1067, -836, -544, -242, -13, 59, 293, 698, 1033, 1240,  
1473, 1838, 2263, 2589, 2877, 3113, 3410, 3864, 4044, 4028, 4022, 4162, 4384, 4160,  
3842, 3556, 3417, 3410, 3109, 2519, 1936, 1842, 1864, 1489, 681, 116, -88, -130, -425,  
-1307, -2094, -2518, -2431, -2726, -3657, -4369, -4580, -4418, -4499, -4903,  
-5345, -5316, -4809, -4446, -4734, -5002, -4686, -4245, -4013, -4272, -4410,  
-4211, -3853, -3594, -3807, -3877, -3375, -2703, -2453, -2660, -2412, -1649,  
-938, -754, -987, -969, -309, 483, 525, 39, -157, 747, 1601, 1656, 1318, 1363, 2371,  
3391, 3927, 3595, 3470, 4483, 5663, 5839, 5206, 5169, 5686, 6394, 6332, 5870, 5419,  
5793, 6717, 6535, 5880, 5693, 6485, 6911, 6515, 6022, 5664, 5843, 6129, 5542, 4153,  
3597, 4025, 4030, 2857, 1660, 1548, 1777, 2026, 1371, 53, -393, 199, 740, -571, -2152,  
-2477, -2257, -2378, -3572, -4996, -5947, -5634, -5298, -6403, -8073, -8445,  
-7610, -7651, -8446, -9619, -9830, -9516, -9210, -9749, -11261, -11323, -10452,  
-10030, -10929, -11537, -10828, -9712, -8836, -8731, -8728, -7994, -5882, -4440,  
-4456, -4429, -3092, -1039, -249, 5, 220, 1165, 3028, 4366, 4578, 4379, 5766, 7929,  
8783, 8655, 8815, 9798, 10821, 11455, 10957, 10178, 10384, 11365, 11330, 9755, 9138,  
9500, 9972, 9495, 8477, 7689, 7579, 8377, 8078, 6500, 5202, 5640, 6005, 5012, 3505,  
2413, 2331, 2424, 2219, 607, -718, -339, 396, 4, -1469, -2008, -1807, -1525, -1781,  
-2806, -3931, -4061, -3553, -4094, -5487, -6211, -5798, -5610, -6084, -6542,  
-6903, -6468, -5833, -5829, -6508, -6782, -5783, -5348, -5824, -6455, -6313,  
-5635, -5201, -5190, -5772, -5708, -4614, -3407, -3566, -3986, -3433, -2332,  
-1398, -1404, -1549, -1611, -776, 170, 52, -528, -557, 403, 954, 956, 786, 982, 1594,  
2350, 2688, 2444, 2668, 3388, 3914, 3757, 3571, 3902, 4234, 4434, 4257, 4062, 4216, 4661,  
5033, 4718, 4413, 4764, 5328, 5331, 4844, 4512, 4439, 4572, 4393, 3713, 2737, 2399, 2545,  
2149, 1289, 403, 191, 38, -167, -651, -1463, -1893, -1850, -1869, -2547, -3156,  
-3335, -3402, -3589, -3835, -4128, -4398, -4194, -3959, -4038, -4113, -3822,  
-3385, -3165, -2912, -2576, -2277, -1883, -1436, -1224, -1098, -695, -230, -69,  
18, 255, 553, 796, 1065, 1160, 1175, 1376, 1646, 1739, 1606, 1594, 1619, 1616, 1554, 1401,  
1193, 1056, 1058, 975, 760, 586, 521, 473, 395, 308, 188, 97, 73, 48, -35, -127, -163,  
-176, -220, -254, -299, -311, -316, -307, -297, -306, -264, -225, -192, -156,  
-128, -82, -58, -33, -18, -14, -4, 4, 6, -1, -2, -1, 0, -1, 1, -1

8, 9, 12, 19, 22, 26, 29, 30, 31, 32, 43, 47, 61, 65

**A301222 TUN T3**  $O(IT) = 448, O(PL) = 14$

1, 4, 12, 21, 39, 62, 84, 115, 154, 197, 230, 263, 298, 352, 388, 402, 417, 432, 459, 465, 460,  
407, 387, 377, 313, 248, 136, 39, -78, -127, -287, -483, -649, -780, -912, -1148,  
-1318, -1598, -1753, -1915, -2042, -2309, -2494, -2513, -2637, -2652, -2700,  
-2683, -2708, -2523, -2277, -2227, -2045, -1745, -1366, -1076, -606, -175, 196,  
774, 1375, 1931, 2351, 3052, 3629, 4094, 4653, 5221, 5655, 5944, 6458, 6764, 6855, 7159,  
7245, 7205, 7000, 7070, 6837, 6379, 6096, 5597, 5135, 4463, 4134, 3236, 2392, 1747, 1098,  
263, -819, -1396, -2421, -3141, -3901, -4626, -5480, -6303, -6437, -7240, -7697,  
-8232, -8387, -8777, -9065, -8917, -9321, -9320, -9318, -8922, -9159, -9014,  
-8467, -8330, -8084, -7843, -7177, -7072, -6574, -5914, -5836, -5339, -4805,  
-3902, -3949, -3482, -2646, -2269, -1622, -1211, -445, -411, 535, 1546, 1795,  
2176, 2754, 4018, 4252, 5155, 5674, 6081, 6847, 7664, 8656, 8213, 9198, 9769, 10501,  
10617, 10947, 11560, 11252, 12219, 12257, 12354, 11903, 12321, 12658, 11906, 11986,  
11563, 11528, 10786, 10731, 10270, 9213, 9146, 8577, 8063, 6625, 6540, 5976, 4833, 4137,  
3173, 2597, 1210, 1006, -114, -1642, -2229, -2943, -3607, -5572, -6024, -7106,  
-8219, -8913, -10083, -11123, -12937, -12700, -13859, -15106, -16240, -16672,  
-17171, -18448, -18257, -19447, -19761, -20072, -19587, -19923, -20611, -19414,  
-19309, -18585, -18365, -16987, -16344, -15567, -13497, -12725, -11343, -10073,  
-7505, -6311, -4999, -2672, -906, 1039, 2574, 4996, 6056, 7763, 10097, 11382, 12545,  
13428, 15722, 16263, 17132, 18185, 18590, 19252, 19490, 20677, 19693, 19733, 19976,  
19874, 19280, 18319, 18471, 17106, 16823, 16051, 15164, 13787, 12931, 12882, 10982,  
10155, 8903, 8429, 7008, 6082, 5436, 3657, 3169, 2166, 1682, -80, -790, -1237, -2493,  
-3197, -4250, -4731, -6023, -6379, -6804, -8021, -8579, -9118, -9193, -10425,  
-10604, -10858, -11438, -11677, -12050, -11871, -12686, -12166, -12132, -12341,  
-12319, -12038, -11243, -11687, -10940, -10712, -10305, -9761, -9174, -8394,  
-8667, -7455, -6863, -6049, -5817, -5083, -4261, -3915, -2713, -2371, -1712,  
-1541, -423, 258, 493, 1217, 1585, 2341, 2563, 3483, 3879, 4025, 4752, 5206, 5872, 5917,  
6642, 6969, 7181, 7731, 8119, 8477, 8390, 8937, 9064, 9070, 9319, 9353, 9260, 8831, 9144,  
8851, 8445, 8105, 7698, 7303, 6487, 6365, 5408, 4641, 3892, 3262, 2415, 1349, 828, -253,  
-1019, -1792, -2395, -3284, -4070, -4421, -5185, -5637, -6113, -6316, -6829,  
-7076, -7067, -7249, -7152, -7144, -6880, -6845, -6444, -5936, -5617, -5211,  
-4743, -4122, -3593, -2984, -2392, -1973, -1382, -776, -162, 199, 577, 1023, 1399,  
1794, 2013, 2230, 2279, 2526, 2694, 2719, 2689, 2620, 2664, 2530, 2476, 2299, 2077, 1909,  
1740, 1613, 1311, 1137, 927, 791, 616, 468, 315, 135, 73, -46, -135, -260, -292, -361,  
-408, -420, -447, -459, -463, -431, -421, -408, -375, -344, -309, -272, -229,  
-194, -155, -113, -89, -63, -36, -17, -13, -3, 1, 0, 0, -2, -1

8, 12, 18, 19, 22, 26, 29, 30, 31, 32, 43, 47, 61, 65

**A301223 TUN T4**  $O(IT) = 447, O(PL) = 14$

1, 4, 12, 22, 37, 58, 89, 124, 157, 186, 222, 276, 325, 351, 360, 381, 424, 459, 462, 436, 431,  
430, 426, 388, 287, 197, 130, 90, -28, -192, -346, -482, -589, -730, -950, -1194,  
-1366, -1499, -1707, -1954, -2150, -2304, -2433, -2510, -2588, -2707, -2728,  
-2666, -2593, -2533, -2373, -2186, -2018, -1744, -1411, -1060, -641, -137, 300,  
713, 1320, 1970, 2495, 2957, 3537, 4138, 4694, 5248, 5624, 5911, 6343, 6871, 7081, 7043,  
7085, 7144, 7153, 7097, 6838, 6305, 5882, 5714, 5305, 4553, 3800, 3229, 2574, 1839,  
1025, 71, -813, -1458, -2138, -3198, -4110, -4727, -5352, -6057, -6698, -7208,  
-7744, -8105, -8351, -8827, -9141, -9104, -9001, -9241, -9405, -9264, -8998,  
-8727, -8484, -8420, -8310, -7697, -7041, -6845, -6809, -6255, -5535, -5079,  
-4670, -4384, -3985, -3276, -2416, -2030, -2022, -1423, -494, 234, 593, 1020,  
1585, 2344, 3316, 3857, 4073, 4688, 5895, 6700, 6879, 7203, 7918, 8827, 9524, 9924,  
9947, 10296, 11214, 11810, 11737, 11524, 11934, 12430, 12611, 12358, 11933, 11786,  
12063, 12225, 11474, 10548, 10264, 10351, 9977, 9045, 8179, 7547, 7257, 6786, 5771,  
4549, 3875, 3650, 2785, 1436, 227, -416, -1016, -1882, -3052, -4454, -5343, -5835,  
-6694, -8275, -9604, -10163, -10814, -11964, -13393, -14498, -15195, -15538,  
-16236, -17595, -18678, -18821, -18672, -19331, -20113, -20395, -20090, -19617,  
-19398, -19398, -19275, -18127, -16663, -15924, -15531, -14498, -12589, -10819,  
-9374, -8195, -6809, -4713, -2323, -564, 575, 2306, 4708, 6857, 8164, 9360, 10838,  
12627, 14481, 15511, 15950, 16660, 18115, 19295, 19404, 19364, 19613, 20134, 20375,  
20099, 19344, 18719, 18808, 18672, 17603, 16210, 15520, 15201, 14521, 13331, 11964,  
10849, 10164, 9585, 8279, 6716, 5819, 5343, 4460, 3015, 1846, 1030, 444, -275, -1435,  
-2762, -3638, -3894, -4532, -5768, -6818, -7244, -7532, -8195, -9078, -9945,  
-10321, -10281, -10547, -11460, -12231, -12066, -11766, -11930, -12392, -12596,  
-12412, -11928, -11560, -11707, -11801, -11218, -10292, -9950, -9934, -9546,  
-8796, -7920, -7219, -6881, -6682, -5894, -4713, -4072, -3855, -3322, -2340,  
-1574, -1037, -609, -196, 504, 1415, 1993, 2058, 2411, 3268, 3994, 4372, 4665, 5092,  
5569, 6249, 6792, 6870, 7061, 7693, 8301, 8422, 8465, 8717, 9024, 9261, 9391, 9245, 9029,  
9083, 9139, 8829, 8356, 8097, 7773, 7212, 6676, 6053, 5365, 4720, 4095, 3198, 2149, 1444,  
808, -77, -1032, -1840, -2567, -3221, -3823, -4553, -5299, -5703, -5891, -6305,  
-6838, -7099, -7141, -7141, -7087, -7047, -7081, -6858, -6354, -5918, -5619,  
-5239, -4693, -4126, -3530, -2959, -2488, -1963, -1318, -723, -298, 136, 634,  
1051, 1414, 1749, 2017, 2201, 2378, 2523, 2599, 2665, 2726, 2695, 2591, 2507, 2429, 2306,  
2154, 1951, 1705, 1508, 1364, 1186, 948, 727, 581, 483, 347, 192, 28, -82, -127, -196,  
-287, -384, -432, -434, -430, -440, -463, -457, -420, -384, -356, -351, -325,  
-275, -222, -184, -160, -123, -90, -58, -37, -19, -12, -4, 1, -2, -1, -1

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**A301224 TUN T5**  $O(IT) = 453, O(PL) = 14$

1, 4, 12, 24, 38, 59, 88, 119, 155, 191, 228, 268, 314, 344, 376, 400, 428, 433, 454, 457, 441, 436, 396, 366, 279, 252, 155, 36, -60, -181, -293, -473, -584, -798, -986, -1130, -1322, -1529, -1793, -1914, -2110, -2262, -2400, -2568, -2673, -2705, -2582, -2688, -2670, -2550, -2381, -2166, -1977, -1683, -1488, -1060, -561, -147, 225, 687, 1388, 1909, 2495, 3021, 3510, 4091, 4738, 5313, 5518, 5954, 6413, 6815, 6937, 7046, 7189, 7113, 7240, 7040, 6727, 6274, 6062, 5835, 5122, 4483, 3773, 3300, 2578, 1882, 994, -60, -672, -1309, -2172, -3392, -4074, -4638, -5297, -6002, -6778, -7323, -7857, -7884, -8264, -8902, -9205, -9093, -8933, -9330, -9278, -9284, -9095, -8708, -8433, -8410, -8463, -7577, -7031, -6895, -6816, -6220, -5550, -5180, -4532, -4404, -4021, -3363, -2353, -2076, -2150, -1255, -480, 243, 467, 1153, 1538, 2219, 3482, 3863, 4086, 4529, 5968, 6631, 6806, 7407, 8009, 8794, 9339, 10081, 9946, 10223, 11277, 11825, 11637, 11409, 12245, 12351, 12438, 12397, 12146, 11827, 11887, 12386, 11247, 10470, 10411, 10559, 9858, 8751, 8429, 7500, 7258, 6870, 5902, 4345, 3706, 3949, 2653, 1324, 251, -179, -1184, -1947, -2838, -4614, -5422, -5840, -6388, -8488, -9663, -10022, -11008, -11978, -13330, -14177, -15451, -15644, -16088, -17693, -18688, -18793, -18442, -19603, -20139, -20198, -20139, -19736, -19391, -19134, -19493, -18129, -16623, -15923, -15625, -14430, -12292, -11145, -9349, -8140, -6746, -4881, -2354, -250, 322, 2349, 4704, 6889, 8004, 9443, 11191, 12345, 14350, 15511, 16126, 16532, 18171, 19417, 19187, 19338, 19711, 20329, 20048, 20154, 19547, 18615, 18738, 18674, 17770, 15912, 15697, 15429, 14341, 13180, 11960, 11072, 9934, 9732, 8471, 6540, 5656, 5425, 4671, 2778, 1971, 1124, 303, -434, -1233, -2613, -3975, -3721, -4384, -5774, -7013, -7137, -7522, -8487, -8807, -9836, -10403, -10549, -10386, -11290, -12394, -11919, -11769, -12031, -12566, -12373, -12412, -12191, -11451, -11574, -11794, -11422, -10138, -9963, -10006, -9436, -8758, -8001, -7485, -6683, -6658, -5967, -4675, -3996, -3795, -3525, -2174, -1619, -1131, -536, -90, 489, 1181, 2148, 2063, 2408, 3297, 4116, 4355, 4480, 5220, 5582, 6254, 6718, 6978, 6993, 7577, 8496, 8411, 8418, 8611, 9188, 9262, 9290, 9326, 8932, 9068, 9163, 9012, 8241, 7859, 7833, 7335, 6768, 5973, 5374, 4587, 4067, 3382, 2218, 1298, 645, 109, -1030, -1868, -2589, -3267, -3812, -4507, -5080, -5864, -6049, -6261, -6698, -7089, -7259, -7057, -7195, -7043, -6965, -6809, -6449, -5941, -5480, -5326, -4756, -4101, -3471, -3031, -2485, -1899, -1419, -694, -210, 168, 523, 1061, 1506, 1671, 1996, 2185, 2391, 2513, 2673, 2707, 2584, 2699, 2667, 2559, 2382, 2285, 2131, 1906, 1781, 1533, 1329, 1125, 1003, 781, 557, 476, 312, 189, 40, -35, -159, -244, -264, -367, -409, -451, -432, -447, -460, -440, -430, -398, -367, -336, -320, -275, -224, -186, -159, -119, -90, -62, -35, -20, -12, -5, 0, 2, -1, 0, 0, -1, 0, -1, 1, -1

8, 12, 18, 19, 22, 26, 29, 30, 31, 32, 43, 47, 61, 65

**A301225 TUN T6**  $O(IT) = 457, O(PL) = 14$

1, 4, 12, 23, 38, 59, 83, 118, 158, 193, 227, 262, 307, 356, 384, 396, 413, 439, 465, 468, 441, 409, 393, 386, 331, 223, 117, 41, -33, -156, -297, -491, -657, -752, -900, -1132, -1395, -1575, -1727, -1888, -2084, -2308, -2505, -2570, -2551, -2639, -2737, -2730, -2619, -2511, -2344, -2188, -2068, -1778, -1374, -958, -660, -267, 272, 784, 1359, 1944, 2460, 2952, 3571, 4181, 4658, 5156, 5675, 6046, 6345, 6734, 7036, 7126, 7164, 7204, 7113, 6940, 6842, 6501, 5956, 5546, 5174, 4694, 3925, 3211, 2466, 1710, 1106, 319, -707, -1755, -2379, -3010, -3878, -4729, -5489, -6162, -6688, -7069, -7669, -8255, -8610, -8644, -8861, -9196, -9264, -9340, -9234, -9124, -8941, -8882, -8735, -8265, -8001, -7774, -7403, -6878, -6463, -6202, -5751, -5240, -4696, -4123, -3709, -3438, -2936, -2138, -1456, -1117, -852, -163, 567, 1323, 1904, 2241, 2817, 3634, 4727, 5172, 5422, 6046, 6901, 7826, 8252, 8691, 9010, 9579, 10402, 10928, 11022, 11143, 11699, 12071, 12168, 12152, 12314, 12247, 12263, 12284, 11887, 11546, 11337, 11287, 10587, 9855, 9618, 9158, 8532, 7701, 7073, 6361, 5722, 5267, 4140, 2920, 2231, 1842, 930, -380, -1411, -2319, -3128, -3855, -4840, -6364, -7412, -7967, -8791, -10188, -11521, -12193, -13179, -13937, -14876, -16028, -16972, -17489, -17669, -18729, -19489, -19658, -19737, -19980, -20131, -19942, -19835, -19301, -18482, -17973, -17636, -16415, -14871, -13808, -12810, -11412, -9646, -8129, -6171, -4397, -3050, -1132, 1100, 3120, 4372, 6071, 8213, 9755, 11273, 12679, 13937, 14978, 16341, 17600, 17966, 18434, 19357, 19989, 19878, 19924, 20023, 19933, 19646, 19382, 18719, 17649, 17492, 17100, 16072, 14712, 13871, 13332, 12245, 11410, 10184, 8857, 7922, 7386, 6436, 4804, 3793, 3211, 2362, 1289, 352, -786, -1803, -2353, -2950, -4089, -5271, -5680, -6311, -7196, -7803, -8386, -9011, -9719, -9985, -10549, -11225, -11309, -11510, -11930, -12423, -12228, -12086, -12347, -12285, -12138, -11996, -11721, -11161, -11002, -10963, -10428, -9505, -9003, -8811, -8239, -7697, -6927, -6159, -5401, -5104, -4715, -3613, -2848, -2332, -1898, -1171, -529, 7, 783, 1220, 1526, 2136, 2911, 3365, 3676, 4231, 4776, 5145, 5646, 6254, 6548, 6860, 7353, 7754, 7980, 8300, 8805, 8830, 8861, 9163, 9312, 9313, 9188, 9204, 8913, 8654, 8597, 8219, 7626, 7105, 6789, 6148, 5380, 4723, 3967, 3056, 2355, 1700, 676, -289, -1024, -1683, -2566, -3263, -3840, -4623, -5203, -5600, -5977, -6490, -6795, -6909, -7172, -7263, -7131, -7067, -7057, -6779, -6337, -6034, -5672, -5143, -4686, -4220, -3545, -2910, -2478, -1992, -1352, -747, -268, 255, 648, 946, 1394, 1817, 2057, 2140, 2350, 2550, 2630, 2713, 2717, 2630, 2565, 2600, 2511, 2275, 2069, 1916, 1745, 1566, 1383, 1126, 903, 766, 658, 472, 286, 170, 47, -47, -128, -224, -330, -383, -390, -415, -447, -464, -460, -442, -417, -393, -379, -354, -309, -265, -229, -191, -153, -120, -87, -59, -36, -22, -11, -3, 0, 0, 0, 0, -2, -1, 0, 0, 0, 0, -1, -1, 1, 1

8, 12, 18, 19, 22, 26, 29, 30, 31, 32, 43, 47, 61, 65

**A301226 TUN T7**  $O(IT) = 419, O(PL) = 12$

1, 4, 12, 21, 37, 56, 90, 121, 153, 194, 222, 271, 313, 352, 393, 420, 449, 499, 560, 585, 581,  
600, 639, 659, 633, 565, 509, 475, 434, 392, 262, 122, 48, -26, -104, -293, -535, -770,  
-887, -1015, -1302, -1589, -1820, -1937, -2039, -2210, -2441, -2648, -2750,  
-2793, -2877, -3096, -3263, -3276, -3174, -3048, -2974, -2936, -2787, -2380,  
-2071, -1899, -1658, -1379, -1025, -650, -240, 130, 567, 1082, 1583, 2107, 2516,  
2978, 3374, 3703, 4011, 4334, 4630, 4898, 5268, 5416, 5715, 6116, 6346, 6351, 6312,  
6383, 6371, 6410, 6129, 5779, 5643, 5631, 5634, 5352, 4964, 4609, 4470, 4206, 3729,  
3144, 2453, 2093, 1863, 1397, 730, 288, -22, -340, -677, -1432, -2078, -2520, -2946,  
-3535, -4228, -4754, -5236, -5420, -5962, -6488, -6811, -7231, -7537, -8064,  
-8616, -9116, -9214, -9443, -9833, -10084, -10287, -10067, -9827, -9886, -10181,  
-10014, -9687, -9361, -9164, -9334, -8998, -8365, -7685, -7310, -6937, -6423,  
-5756, -4723, -4272, -3879, -3279, -2591, -1669, -906, -337, 240, 1325, 2301, 3073,  
3881, 4569, 5508, 6388, 7031, 7539, 8466, 9260, 9944, 10652, 11074, 11934, 12741, 13330,  
13527, 13860, 14263, 14622, 15114, 14837, 14749, 14987, 15247, 15276, 14954, 14481,  
14149, 14229, 13657, 12760, 11843, 11072, 10543, 9831, 8651, 7298, 6561, 5640, 4586,  
3297, 1676, 502, -510, -1702, -3286, -4591, -5664, -6547, -7313, -8703, -9803,  
-10524, -11105, -11820, -12745, -13706, -14238, -14122, -14488, -14944, -15270,  
-15282, -14980, -14727, -14827, -15088, -14621, -14279, -13840, -13528, -13359,  
-12716, -11918, -11105, -10633, -9923, -9285, -8444, -7505, -7034, -6380, -5506,  
-4604, -3875, -3060, -2305, -1323, -243, 326, 935, 1679, 2577, 3329, 3891, 4227, 4724,  
5771, 6400, 6937, 7331, 7667, 8370, 9013, 9330, 9189, 9379, 9682, 10008, 10167, 9872,  
9837, 10050, 10260, 10110, 9834, 9412, 9246, 9150, 8595, 8062, 7538, 7210, 6808, 6478,  
5930, 5419, 5243, 4748, 4233, 3550, 2947, 2544, 2076, 1416, 684, 312, -8, -280, -721,  
-1422, -1867, -2074, -2442, -3112, -3719, -4223, -4479, -4620, -4979, -5359,  
-5644, -5643, -5640, -5788, -6124, -6373, -6353, -6393, -6299, -6350, -6380,  
-6129, -5717, -5423, -5266, -4893, -4627, -4318, -3987, -3689, -3361, -2974,  
-2524, -2114, -1610, -1086, -546, -127, 238, 665, 1041, 1379, 1677, 1918, 2071, 2374,  
2762, 2916, 2971, 3054, 3176, 3282, 3268, 3100, 2877, 2790, 2759, 2651, 2421, 2184, 2040,  
1931, 1812, 1593, 1307, 1014, 888, 772, 536, 291, 101, 20, -51, -126, -269, -398, -433,  
-455, -498, -572, -635, -656, -639, -599, -576, -588, -568, -500, -445, -413,  
-390, -352, -314, -267, -218, -194, -158, -121, -89, -58, -38, -20, -12, -5, 3,  
1, -1, -3, 0, -2, 0, 0, 0, -1, 0, 0, 0, 1

8, 18, 19, 22, 29, 30, 31, 32, 43, 47, 61, 65

**A301227 TUN T8**  $O(IT) = 445, O(PL) = 14$

1, 4, 12, 22, 36, 55, 87, 129, 157, 182, 221, 269, 318, 357, 373, 382, 408, 458, 481, 453,  
412, 412, 430, 401, 315, 192, 109, 64, 10, -143, -356, -515, -608, -711, -911, -1164,  
-1409, -1565, -1681, -1866, -2145, -2384, -2457, -2480, -2560, -2685, -2766,  
-2743, -2603, -2442, -2362, -2280, -2054, -1717, -1393, -1046, -661, -223, 279,  
815, 1345, 1840, 2415, 3077, 3610, 4067, 4636, 5221, 5672, 6024, 6390, 6709, 6996, 7223,  
7235, 7071, 7027, 7087, 6920, 6459, 5949, 5550, 5135, 4724, 4090, 3188, 2322, 1765, 1223,  
217, -802, -1624, -2338, -3057, -3830, -4725, -5649, -6172, -6492, -7065, -7824,  
-8276, -8514, -8726, -8907, -9079, -9304, -9444, -9144, -9013, -9145, -8997,  
-8570, -8231, -8103, -7737, -7355, -7039, -6482, -5980, -5716, -5420, -4716,  
-4072, -3809, -3384, -2722, -2177, -1740, -1088, -607, -240, 493, 1400, 1857,  
2135, 2991, 3779, 4382, 4991, 5732, 6287, 6764, 7670, 8210, 8547, 9120, 9951, 10352,  
10480, 11057, 11498, 11660, 11894, 12286, 12180, 12114, 12454, 12440, 11976, 11706,  
11901, 11547, 10958, 10565, 10072, 9480, 9064, 8805, 7756, 6757, 6453, 5974, 4981,  
3971, 3380, 2390, 1442, 860, -167, -1528, -2385, -2773, -3909, -5275, -6206, -7026,  
-8182, -9132, -9888, -11318, -12450, -13104, -13842, -15206, -16117, -16449,  
-17425, -18229, -18702, -19088, -19829, -19990, -19697, -20087, -20245, -19704,  
-19051, -18887, -18211, -17081, -16283, -15399, -13941, -12507, -11513, -9756,  
-7773, -6309, -4872, -2803, -679, 725, 2707, 4787, 6322, 7860, 9743, 11474, 12403,  
13874, 15519, 16381, 17016, 18037, 18917, 19172, 19727, 20170, 20022, 19751, 20065,  
19938, 19013, 18576, 18267, 17591, 16512, 15998, 15145, 13838, 13194, 12498, 11325,  
9822, 9112, 8321, 7042, 6105, 5209, 4028, 2850, 2330, 1444, 104, -796, -1352, -2350,  
-3500, -4029, -4864, -5887, -6516, -6873, -7731, -8732, -8979, -9487, -10193,  
-10644, -10871, -11368, -11937, -11842, -12017, -12369, -12383, -12130, -12226,  
-12354, -11833, -11589, -11529, -11160, -10488, -10237, -9945, -9181, -8611,  
-8191, -7645, -6736, -6309, -5821, -4965, -4302, -3761, -3126, -2190, -1767,  
-1296, -483, 120, 527, 1107, 1897, 2225, 2592, 3272, 3865, 4207, 4705, 5341, 5653, 6012,  
6576, 7091, 7275, 7614, 8142, 8327, 8587, 8913, 9079, 9022, 9183, 9484, 9265, 9034, 8918,  
8795, 8509, 8192, 7837, 7131, 6532, 6138, 5604, 4717, 3881, 3133, 2325, 1562, 785, -121,  
-1169, -1807, -2378, -3189, -4008, -4665, -5142, -5645, -5978, -6374, -6835,  
-7114, -7123, -7075, -7194, -7183, -7007, -6772, -6430, -5993, -5628, -5251,  
-4690, -4082, -3570, -3066, -2440, -1868, -1375, -805, -259, 205, 611, 1046, 1427,  
1716, 2036, 2269, 2382, 2468, 2614, 2729, 2731, 2696, 2604, 2492, 2430, 2372, 2160, 1893,  
1701, 1552, 1387, 1162, 946, 727, 582, 493, 364, 167, 2, -68, -131, -192, -292, -393,  
-443, -431, -412, -445, -478, -464, -417, -386, -366, -351, -326, -274, -221,  
-179, -156, -132, -91, -56, -33, -21, -12, -4, 1, 2

8, 12, 18, 19, 22, 26, 29, 30, 31, 32, 43, 47, 61, 65

**A301228 TUN T9**  $O(IT) = 456, O(PL) = 14$

1, 4, 12, 22, 33, 55, 88, 124, 152, 183, 226, 270, 316, 349, 366, 397, 433, 455, 454, 439, 440, 446, 427, 373, 288, 217, 171, 86, -49, -208, -324, -438, -591, -791, -998, -1144, -1297, -1495, -1763, -1993, -2129, -2229, -2385, -2589, -2718, -2704, -2620, -2646, -2685, -2625, -2400, -2095, -1923, -1821, -1586, -1055, -497, -122, 174, 610, 1319, 2069, 2616, 2925, 3353, 4120, 4911, 5309, 5467, 5832, 6412, 6956, 7171, 7012, 6892, 7163, 7521, 7237, 6537, 6139, 6080, 5941, 5341, 4430, 3552, 3194, 2976, 2092, 686, -289, -573, -1092, -2127, -3404, -4367, -4802, -4958, -5651, -7062, -7804, -7641, -7556, -8284, -9121, -9403, -9186, -8723, -8899, -9641, -9870, -8927, -8107, -8430, -8898, -8514, -7561, -6854, -6633, -6943, -6845, -5573, -4366, -4506, -5068, -4320, -2897, -2113, -2064, -2272, -1832, -481, 945, 878, 195, 1014, 2923, 3999, 3670, 3619, 4415, 5937, 7273, 7274, 6630, 7189, 9339, 10416, 9793, 9243, 10092, 11567, 12302, 11986, 11018, 11254, 12775, 13608, 12345, 10998, 11592, 12712, 12668, 11314, 10130, 9892, 10651, 10851, 9027, 7116, 7155, 8190, 7493, 5342, 3883, 3673, 4048, 3518, 1556, -740, -1053, -38, -882, -3635, -5534, -5287, -5084, -6145, -8309, -10400, -10801, -10154, -10786, -13764, -15756, -15275, -14604, -15803, -18024, -19229, -19198, -18209, -18398, -20326, -21727, -20437, -18436, -18862, -20211, -20087, -18108, -16179, -15393, -15706, -15545, -12945, -9745, -8656, -9147, -7809, -4374, -1527, -267, 191, 1540, 4374, 7758, 9147, 8661, 9696, 12939, 15623, 15717, 15314, 16170, 18135, 20033, 20152, 18896, 18442, 20383, 21746, 20377, 18400, 18205, 19238, 19230, 17995, 15858, 14657, 15219, 15698, 13811, 10819, 10149, 10868, 10462, 8269, 6128, 5168, 5324, 5474, 3606, 914, 39, 1061, 799, -1555, -3551, -3998, -3604, -3906, -5368, -7462, -8210, -7207, -7098, -8997, -10907, -10698, -9845, -10102, -11329, -12645, -12696, -11650, -11040, -12315, -13602, -12804, -11259, -11024, -12025, -12297, -11524, -10117, -9294, -9757, -10359, -9360, -7207, -6608, -7277, -7294, -5913, -4388, -3655, -3694, -3980, -2923, -1035, -176, -853, -974, 479, 1875, 2269, 2034, 2129, 2899, 4262, 5042, 4546, 4372, 5532, 6836, 6954, 6608, 6837, 7577, 8487, 8846, 8443, 8130, 8897, 9851, 9650, 8890, 8723, 9234, 9425, 9083, 8267, 7584, 7645, 7786, 7082, 5671, 4949, 4824, 4416, 3428, 2137, 1120, 594, 300, -652, -2064, -2997, -3219, -3537, -4417, -5356, -5942, -6070, -6146, -6528, -7208, -7512, -7182, -6907, -7009, -7175, -6969, -6418, -5855, -5507, -5324, -4902, -4130, -3371, -2927, -2629, -2088, -1324, -618, -200, 94, 503, 1074, 1586, 1822, 1937, 2100, 2403, 2643, 2687, 2627, 2613, 2706, 2714, 2592, 2399, 2237, 2131, 2015, 1792, 1505, 1300, 1151, 992, 778, 589, 438, 319, 208, 54, -86, -169, -209, -285, -383, -430, -438, -444, -446, -458, -462, -433, -386, -360, -356, -322, -271, -226, -187, -160, -130, -91, -54, -28, -22, -13, 1, 5, 3, 2, 1, -2, -1, -1, -1, 0, 0, -1, 0,

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8, 12, 18, 19, 22, 26, 29, 30, 31, 32, 43, 47, 61, 65

**A301229 TUN T10**  $O(IT) = 442, O(PL) = 14$

1, 4, 12, 20, 36, 60, 87, 113, 153, 191, 228, 257, 279, 312, 332, 311, 300, 288, 260, 253, 190, 141, 82, 38, 17, -69, -142, -223, -296, -345, -428, -570, -687, -773, -848, -986, -1151, -1264, -1420, -1441, -1525, -1642, -1685, -1706, -1571, -1572, -1452, -1312, -1200, -968, -716, -557, -378, -112, 185, 423, 607, 980, 1223, 1544, 1942, 2168, 2522, 2854, 3291, 3504, 3595, 3988, 4085, 4209, 4263, 4099, 4029, 3896, 3883, 3542, 3071, 2875, 2647, 2316, 1980, 1533, 1037, 841, 558, 203, -573, -944, -1170, -1726, -2054, -2830, -3224, -3677, -3876, -4150, -4810, -4902, -4973, -4883, -4974, -5005, -4993, -4804, -4526, -4428, -4451, -4533, -4140, -4081, -3993, -4087, -4016, -3603, -3496, -3165, -3203, -2819, -2280, -2000, -1567, -1596, -1119, -670, -334, -193, -308, 118, 357, 752, 755, 851, 1118, 1729, 2334, 2377, 2693, 3119, 4061, 4374, 4724, 4820, 5046, 5751, 5844, 6077, 5481, 5900, 6176, 6134, 6188, 5772, 6164, 6171, 6606, 6426, 6044, 6243, 6379, 6380, 5740, 5377, 5048, 4849, 4375, 3792, 3023, 2578, 2725, 2074, 1574, 933, 994, 1050, 343, 164, -789, -863, -1073, -1686, -2483, -3721, -3694, -4247, -4853, -5851, -6620, -6833, -7061, -7280, -8183, -8718, -8954, -8539, -9174, -9727, -10194, -10418, -10035, -10685, -10675, -11343, -10980, -10394, -10394, -10011, -9997, -8740, -7944, -7115, -6428, -5748, -4429, -3357, -2378, -1933, -1085, 38, 1229, 1829, 2378, 3380, 4398, 5831, 6312, 7063, 7758, 8806, 10029, 9970, 10385, 10332, 11072, 11306, 10848, 10705, 10022, 10420, 10170, 9805, 9093, 8642, 8852, 8636, 8157, 7287, 7121, 6719, 6675, 5772, 4918, 4316, 3778, 3747, 2401, 1797, 1095, 962, 726, -205, -412, -1111, -910, -1018, -1596, -2183, -2672, -2547, -2993, -3679, -4393, -4793, -5095, -5269, -5735, -6398, -6390, -6337, -6067, -6518, -6527, -6249, -6224, -5793, -6184, -6051, -6166, -5806, -5579, -6056, -5745, -5665, -5052, -4928, -4706, -4444, -4004, -3126, -2744, -2479, -2379, -1625, -1142, -788, -776, -734, -352, -47, 406, 127, 351, 640, 1133, 1566, 1558, 1979, 2173, 2819, 3179, 3218, 3478, 3592, 3994, 4086, 4098, 4104, 4187, 4464, 4455, 4437, 4537, 4809, 4917, 4979, 4904, 4905, 4985, 4893, 4794, 4140, 3959, 3690, 3280, 2841, 2077, 1730, 1185, 980, 517, -195, -591, -865, -1061, -1498, -1953, -2378, -2638, -2869, -3044, -3514, -3844, -3909, -4084, -4055, -4243, -4189, -4122, -3994, -3628, -3518, -3255, -2895, -2564, -2204, -1908, -1543, -1235, -954, -630, -405, -159, 148, 368, 538, 719, 934, 1210, 1312, 1448, 1530, 1569, 1714, 1696, 1671, 1536, 1445, 1405, 1286, 1175, 983, 843, 751, 695, 576, 442, 332, 267, 232, 150, 85, -30, -51, -96, -132, -168, -250, -265, -298, -293, -295, -326, -319, -297, -254, -232, -191, -163, -120, -86, -57, -29, -22, -10, -4, 4, 5, 1, -4, -1, -1, 1, -1

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8, 9, 12, 19, 22, 26, 29, 30, 31, 32, 43, 47, 61, 65

**A301230 TUN T11**  $O(IT) = 457, O(PL) = 14$

1, 4, 12, 19, 37, 62, 87, 115, 152, 190, 231, 272, 307, 340, 364, 408, 443, 434, 446, 440, 460, 454, 410, 345, 269, 265, 189, 81, -96, -213, -303, -401, -585, -817, -1029, -1156, -1223, -1512, -1769, -2036, -2103, -2171, -2375, -2566, -2790, -2704, -2603, -2583, -2693, -2691, -2394, -2120, -1888, -1781, -1558, -1119, -530, -99, 193, 596, 1295, 2075, 2520, 2961, 3448, 4085, 4853, 5274, 5524, 5804, 6434, 6987, 7005, 6967, 6963, 7333, 7421, 7171, 6594, 6104, 6176, 6017, 5357, 4197, 3620, 3329, 2970, 2042, 684, -201, -727, -875, -2078, -3510, -4482, -4687, -4825, -5867, -6912, -7845, -7705, -7635, -8101, -9067, -9628, -9084, -8752, -8965, -9697, -9626, -9027, -8369, -8271, -8810, -8550, -7702, -6651, -6745, -7114, -6567, -5515, -4522, -4721, -4735, -4335, -3100, -1911, -2132, -2381, -1906, -73, 808, 622, 473, 1073, 2783, 3814, 4100, 3390, 4220, 6073, 7332, 7100, 6519, 7705, 8964, 10321, 9915, 9471, 9842, 11341, 12707, 11605, 11112, 11434, 12883, 13177, 12304, 11623, 11376, 12587, 12670, 11459, 9813, 10038, 11028, 10504, 8900, 7345, 7493, 7756, 7591, 5621, 3606, 3643, 4183, 3737, 939, -541, -631, -378, -937, -3534, -5189, -5897, -4960, -5800, -8565, -10475, -10729, -9938, -11398, -13420, -15447, -15482, -14900, -15604, -17723, -19780, -18855, -18134, -18461, -20617, -21302, -20213, -19149, -18552, -20051, -19970, -18530, -15932, -15242, -16147, -15216, -12845, -9821, -9057, -8714, -7691, -4909, -1432, -70, 220, 1174, 4755, 7692, 8716, 8883, 10001, 12902, 14960, 16153, 15388, 15910, 18273, 20139, 20122, 18433, 19132, 20337, 21318, 20435, 18704, 18230, 18749, 19824, 17884, 15555, 14704, 15714, 15562, 13361, 11352, 10019, 10683, 10373, 8854, 5872, 4773, 5770, 5372, 3513, 826, 503, 614, 480, -952, -3537, -4280, -3801, -3432, -5533, -7652, -7854, -7331, -7468, -9005, -10327, -10966, -10097, -9865, -11278, -12788, -12674, -11198, -11519, -12434, -13288, -12771, -11526, -11130, -11468, -12721, -11543, -9854, -9267, -10015, -10427, -8928, -7640, -6620, -7071, -7239, -6283, -4279, -3272, -3989, -3968, -2821, -997, -595, -593, -700, 120, 1786, 2396, 2233, 1805, 3092, 4429, 4774, 4581, 4526, 5597, 6514, 7080, 6798, 6637, 7595, 8617, 8847, 8188, 8268, 9084, 9703, 9626, 8971, 8743, 9020, 9612, 9185, 8142, 7479, 7709, 7889, 6907, 5856, 4897, 4741, 4417, 3576, 2176, 853, 724, 319, -648, -2111, -2917, -3259, -3668, -4215, -5285, -6009, -6206, -6052, -6550, -7247, -7460, -7203, -6970, -7040, -7005, -7008, -6496, -5795, -5466, -5367, -4946, -4069, -3431, -3011, -2554, -2053, -1352, -644, -146, 83, 449, 1140, 1603, 1761, 1887, 2146, 2394, 2656, 2725, 2612, 2583, 2693, 2811, 2558, 2358, 2229, 2142, 2026, 1786, 1533, 1237, 1171, 1046, 810, 556, 401, 324, 212, 73, -70, -185, -263, -253, -352, -434, -460, -444, -439, -457, -447, -448, -404, -360, -329, -319, -284, -229, -188, -162, -123, -88, -66, -31, -17, -10, -2, 3, 6, 3, -1, -2, 0, 0, 0, -1, -2, 1, 0, 0, 1

8, 12, 18, 19, 22, 26, 29, 30, 31, 32, 43, 47, 61, 65

**A301231 TUN T12**  $O(IT) = 449, O(PL) = 14$

1, 4, 12, 20, 41, 61, 84, 119, 145, 193, 238, 265, 296, 345, 381, 407, 433, 441, 450, 443, 461, 443, 385, 359, 301, 233, 156, 80, -64, -204, -304, -431, -595, -800, -944, -1175, -1359, -1488, -1702, -1974, -2167, -2245, -2396, -2523, -2641, -2736, -2771, -2650, -2510, -2556, -2504, -2238, -1939, -1685, -1363, -1072, -774, -255, 435, 860, 1184, 1789, 2472, 3095, 3629, 4176, 4565, 5028, 5763, 6245, 6334, 6564, 6947, 7200, 7232, 7272, 7161, 6806, 6773, 6660, 6122, 5450, 5133, 4687, 3887, 3242, 2606, 1732, 899, 330, -594, -1634, -2431, -2925, -3947, -4936, -5340, -6051, -6689, -7303, -7613, -8279, -8634, -8466, -8868, -9370, -9429, -9083, -9161, -9218, -9017, -8927, -8864, -8230, -7693, -7891, -7653, -6898, -6264, -6155, -5797, -5134, -4948, -4291, -3462, -3209, -3074, -2411, -1329, -1165, -770, 70, 545, 1062, 1715, 2682, 2839, 3462, 4592, 5158, 5344, 6184, 7306, 7477, 8017, 8700, 9421, 9515, 10321, 10993, 10678, 11204, 11885, 12388, 11747, 12043, 12563, 12245, 12357, 12321, 11995, 11135, 11438, 11603, 10526, 9703, 9640, 9291, 8292, 7966, 7310, 6140, 5475, 5358, 4464, 2735, 2338, 1840, 650, -450, -1115, -1946, -3654, -3897, -4754, -6315, -7356, -7945, -8766, -10721, -11201, -11913, -13213, -14330, -14848, -15810, -17196, -17213, -17767, -18821, -19804, -19237, -19570, -20376, -20104, -19923, -19676, -19640, -18167, -18031, -17897, -16246, -14813, -13810, -13153, -11072, -9582, -8392, -6160, -4307, -3088, -1373, 1397, 3076, 4150, 6157, 8424, 9695, 10970, 13037, 13904, 14869, 16319, 17750, 17981, 18147, 19787, 19772, 19793, 20006, 20308, 19862, 19248, 19797, 18701, 17761, 17357, 17225, 15844, 14632, 14431, 13267, 12013, 11092, 10633, 8860, 7960, 7432, 6182, 4754, 3851, 3750, 1921, 991, 463, -611, -1695, -2460, -2798, -4481, -5262, -5360, -6208, -7435, -8074, -8139, -9153, -9678, -9827, -10586, -11438, -11357, -11129, -12099, -12377, -12249, -12167, -12542, -12235, -11725, -12344, -11798, -11228, -10757, -10984, -10357, -9396, -9511, -8727, -8056, -7370, -7291, -6328, -5351, -5171, -4433, -3533, -2898, -2801, -1674, -908, -562, -145, 640, 1303, 1394, 2460, 2972, 3131, 3522, 4398, 5019, 4993, 5724, 6176, 6393, 6941, 7562, 7845, 7683, 8317, 8875, 8866, 8991, 9227, 9240, 9046, 9376, 9340, 8926, 8511, 8585, 8237, 7562, 7377, 6704, 6036, 5270, 4915, 4052, 2956, 2431, 1519, 654, -274, -828, -1740, -2731, -3248, -3833, -4574, -5196, -5513, -6147, -6587, -6722, -6814, -7182, -7319, -7156, -7175, -6969, -6632, -6338, -6205, -5769, -5022, -4619, -4184, -3613, -3070, -2489, -1847, -1166, -832, -466, 229, 758, 1087, 1401, 1700, 1899, 2220, 2530, 2591, 2511, 2607, 2761, 2719, 2676, 2534, 2395, 2218, 2186, 2031, 1696, 1483, 1334, 1186, 967, 807, 576, 397, 310, 227, 73, -93, -151, -237, -294, -352, -398, -454, -461, -427, -457, -448, -437, -400, -372, -347, -302, -273, -240, -185, -155, -125, -81, -58, -40, -18, -11, -3, 5, 3, 0, -5, 0, -1

8, 12, 18, 19, 22, 26, 29, 30, 31, 32, 43, 47, 61, 65

**A301232 TUN T13**  $O(IT) = 427, O(PL) = 13$

1, 4, 12, 24, 38, 61, 91, 121, 154, 194, 244, 296, 341, 389, 437, 488, 517, 553, 564, 580, 602, 607, 578, 512, 481, 424, 368, 293, 172, 71, -37, -149, -329, -507, -657, -848, -1009, -1225, -1470, -1741, -1948, -2113, -2336, -2580, -2777, -2910, -3028, -3131, -3223, -3274, -3219, -3151, -3045, -2930, -2718, -2459, -2204, -1839, -1489, -1095, -673, -150, 384, 839, 1371, 1959, 2523, 3036, 3562, 4145, 4711, 5167, 5559, 5921, 6326, 6728, 6934, 7119, 7221, 7317, 7367, 7302, 7220, 6954, 6757, 6544, 6248, 5819, 5219, 4807, 4416, 3834, 3156, 2411, 1851, 1242, 586, -110, -868, -1498, -2087, -2713, -3336, -3938, -4425, -4905, -5422, -5902, -6457, -6796, -7053, -7396, -7808, -8229, -8356, -8573, -8883, -9108, -9283, -9294, -9381, -9448, -9629, -9707, -9493, -9221, -9163, -9170, -8963, -8577, -8182, -7850, -7546, -7218, -6591, -5902, -5432, -4973, -4343, -3488, -2694, -2002, -1276, -645, 259, 1318, 2163, 2779, 3517, 4594, 5501, 6144, 6897, 7744, 8610, 9384, 9996, 10512, 11087, 11872, 12496, 12788, 13183, 13539, 13932, 14293, 14442, 14528, 14471, 14864, 15031, 14688, 14363, 14302, 14377, 14038, 13494, 13002, 12503, 12138, 11601, 10759, 9819, 8979, 8307, 7384, 6167, 5004, 3802, 2763, 1601, 84, -1455, -2850, -3881, -5240, -6979, -8466, -9787, -10981, -12342, -13717, -14936, -16118, -16919, -17826, -18860, -19734, -20220, -20382, -20766, -21180, -21323, -21173, -20811, -20415, -20195, -19682, -18862, -17827, -16924, -16152, -14960, -13688, -12315, -10976, -9781, -8461, -7022, -5256, -3844, -2808, -1460, 87, 1605, 2732, 3777, 5036, 6209, 7390, 8309, 8963, 9800, 10743, 11649, 12167, 12508, 13005, 13484, 13988, 14351, 14340, 14415, 14673, 15029, 14854, 14446, 14485, 14465, 14332, 13942, 13525, 13161, 12746, 12479, 11892, 11106, 10521, 10010, 9377, 8550, 7716, 6937, 6179, 5488, 4595, 3527, 2750, 2118, 1350, 303, -626, -1289, -2015, -2718, -3499, -4326, -4958, -5409, -5883, -6601, -7271, -7560, -7823, -8160, -8580, -8946, -9165, -9203, -9265, -9470, -9676, -9614, -9459, -9381, -9326, -9302, -9114, -8866, -8558, -8338, -8240, -7836, -7408, -7037, -6788, -6457, -5885, -5407, -4930, -4455, -3923, -3307, -2698, -2083, -1490, -881, -115, 587, 1256, 1859, 2435, 3149, 3812, 4406, 4824, 5225, 5815, 6261, 6560, 6738, 6931, 7220, 7321, 7367, 7318, 7225, 7111, 6927, 6715, 6322, 5924, 5571, 5159, 4693, 4142, 3569, 3021, 2515, 1968, 1382, 820, 376, -135, -668, -1106, -1492, -1827, -2193, -2468, -2723, -2928, -3037, -3148, -3237, -3276, -3213, -3123, -3039, -2911, -2762, -2576, -2346, -2110, -1940, -1736, -1482, -1219, -1004, -845, -661, -507, -326, -146, -43, 69, 173, 299, 362, 416, 482, 514, 577, 606, 609, 584, 559, 551, 518, 487, 435, 388, 345, 298, 240, 189, 154, 126, 91, 59, 37, 26, 12, 1, 0, 1, 3

11, 12, 18, 19, 26, 29, 30, 31, 32, 43, 47, 61, 65

**A301233 TUN T14**  $O(IT) = 457, O(PL) = 14$

1, 4, 12, 22, 37, 57, 86, 121, 159, 190, 224, 266, 313, 347, 367, 398, 429, 451, 444, 456, 443, 432, 422, 352, 309, 216, 161, 81, -61, -178, -345, -430, -603, -771, -981, -1183, -1295, -1524, -1716, -1998, -2124, -2251, -2386, -2527, -2682, -2715, -2735, -2589, -2626, -2580, -2430, -2211, -1910, -1740, -1403, -1142, -658, -123, 307, 736, 1222, 1973, 2466, 3043, 3582, 4101, 4657, 5189, 5715, 5947, 6368, 6766, 6998, 7061, 7131, 7293, 7126, 7067, 6791, 6351, 6016, 5746, 5281, 4395, 3834, 3260, 2669, 1813, 976, 89, -836, -1261, -2181, -3214, -4218, -4678, -5232, -6087, -6612, -7410, -7780, -8080, -8212, -8767, -9271, -9096, -9099, -9185, -9375, -9188, -9118, -8798, -8471, -8418, -8237, -7774, -7009, -6981, -6751, -6203, -5588, -5063, -4824, -4311, -4073, -3234, -2425, -2201, -1989, -1493, -322, 213, 597, 943, 1477, 2460, 3323, 3980, 3899, 4661, 5807, 6731, 7012, 7196, 8040, 8665, 9659, 9913, 10043, 10266, 11111, 11921, 11656, 11699, 11850, 12499, 12525, 12393, 12127, 11789, 12119, 12029, 11519, 10481, 10393, 10455, 9857, 9006, 8074, 7760, 7235, 6863, 5760, 4435, 3889, 3603, 2977, 1254, 251, -368, -977, -1790, -3187, -4362, -5508, -5676, -6565, -8295, -9659, -10316, -10663, -12069, -13218, -14529, -15220, -15614, -16240, -17481, -18876, -18672, -18741, -19210, -20291, -20391, -20071, -19834, -19176, -19552, -19276, -18354, -16629, -15830, -15716, -14353, -12700, -10792, -9501, -8145, -6841, -4914, -2207, -546, 607, 2127, 4779, 6796, 8163, 9535, 10852, 12672, 14221, 15706, 15912, 16645, 18304, 19216, 19525, 19136, 19861, 20136, 20373, 20221, 19249, 18814, 18675, 18922, 17511, 16167, 15568, 15287, 14601, 13222, 12049, 10657, 10333, 9706, 8422, 6592, 5585, 5486, 4411, 3248, 1786, 980, 323, -270, -1182, -2886, -3583, -3956, -4413, -5731, -6872, -7230, -7761, -8109, -9066, -9830, -10417, -10386, -10497, -11526, -12051, -12152, -11711, -12099, -12454, -12607, -12502, -11840, -11678, -11597, -11988, -11197, -10274, -9924, -9883, -9727, -8684, -8070, -7163, -6958, -6683, -5897, -4738, -3837, -3945, -3311, -2504, -1491, -988, -563, -122, 307, 1439, 1961, 2227, 2401, 3266, 4088, 4259, 4767, 5046, 5638, 6198, 6750, 6948, 6961, 7771, 8256, 8448, 8398, 8756, 9104, 9234, 9407, 9152, 9095, 9058, 9303, 8815, 8244, 8037, 7738, 7443, 6630, 6128, 5239, 4692, 4211, 3236, 2263, 1278, 850, -58, -950, -1847, -2641, -3225, -3851, -4403, -5284, -5734, -6027, -6313, -6772, -7106, -7130, -7260, -7104, -7096, -7013, -6812, -6409, -5907, -5710, -5226, -4724, -4100, -3562, -3053, -2474, -1993, -1266, -768, -282, 115, 628, 1146, 1394, 1750, 1929, 2230, 2423, 2578, 2625, 2594, 2739, 2705, 2684, 2506, 2401, 2284, 2155, 2004, 1713, 1527, 1312, 1212, 982, 756, 585, 419, 365, 190, 60, -95, -164, -196, -298, -355, -439, -443, -439, -444, -448, -469, -430, -394, -362, -337, -321, -281, -227, -186, -164, -124, -95, -55, -38, -21, -6, -3, 2, 3, 3, -2, 2, -2, 0, 0, 0, 0, 0, 0, -1, 1

8, 12, 18, 19, 22, 26, 29, 30, 31, 32, 43, 47, 61, 65



**A301234 TUN T15**  $O(IT) = 403, O(PL) = 12$

1, 4, 12, 21, 35, 62, 80, 91, 115, 136, 158, 170, 179, 202, 217, 223, 219, 208, 194, 213, 194,  
168, 169, 112, 77, 35, 5, -43, -82, -96, -158, -181, -241, -311, -342, -407, -479,  
-547, -641, -691, -758, -841, -863, -909, -921, -962, -978, -940, -963, -892,  
-905, -916, -814, -786, -624, -513, -437, -284, -183, 1, 97, 208, 345, 462, 652,  
735, 771, 917, 1047, 1214, 1358, 1358, 1476, 1513, 1607, 1655, 1610, 1657, 1608, 1756,  
1720, 1698, 1760, 1682, 1783, 1716, 1608, 1491, 1425, 1428, 1248, 1114, 948, 836, 826,  
684, 535, 443, 300, 232, 87, -175, -258, -383, -438, -549, -728, -813, -1010, -906,  
-1082, -1294, -1361, -1608, -1573, -1816, -2032, -2162, -2287, -2296, -2452,  
-2555, -2684, -2665, -2638, -2739, -2846, -2820, -2862, -2776, -2666, -2777,  
-2601, -2530, -2337, -2232, -2207, -1979, -1882, -1551, -1559, -1544, -1333,  
-1248, -908, -815, -716, -481, -241, 36, 162, 345, 549, 844, 1143, 1246, 1363, 1648,  
1849, 2202, 2437, 2411, 2770, 2954, 3226, 3352, 3374, 3561, 3579, 3909, 3789, 3804,  
4002, 4018, 4237, 4083, 3999, 4042, 4074, 4070, 3949, 3742, 3592, 3500, 3374, 3090, 2783,  
2719, 2381, 2225, 1871, 1297, 1140, 756, 497, 16, -496, -778, -1155, -1318, -1873,  
-2201, -2366, -2714, -2776, -3127, -3405, -3480, -3580, -3737, -3930, -4082,  
-4094, -4047, -4007, -4070, -4193, -4004, -4024, -3821, -3812, -3920, -3547,  
-3550, -3360, -3340, -3258, -2978, -2751, -2388, -2427, -2193, -1859, -1677,  
-1367, -1252, -1129, -811, -547, -362, -177, -36, 249, 498, 724, 807, 908, 1223,  
1307, 1568, 1585, 1560, 1896, 1966, 2183, 2229, 2342, 2540, 2630, 2779, 2625, 2765, 2863,  
2823, 2876, 2749, 2637, 2663, 2660, 2534, 2467, 2310, 2276, 2166, 2028, 1799, 1577, 1605,  
1372, 1319, 1080, 887, 995, 809, 727, 562, 445, 379, 257, 156, -96, -198, -284, -447,  
-540, -701, -842, -843, -943, -1105, -1230, -1419, -1449, -1500, -1604, -1713,  
-1771, -1672, -1760, -1712, -1741, -1775, -1601, -1629, -1602, -1651, -1611,  
-1527, -1475, -1353, -1353, -1204, -1051, -938, -779, -725, -645, -442, -333,  
-216, -100, -13, 173, 305, 450, 510, 617, 774, 799, 920, 927, 908, 976, 934, 954, 952,  
914, 918, 871, 846, 758, 673, 629, 551, 495, 416, 334, 307, 231, 175, 159, 98, 91, 44, -8,  
-44, -81, -97, -164, -167, -190, -225, -206, -209, -215, -212, -210, -205, -186,  
-172, -157, -134, -109, -89, -79, -63, -44, -21, -9, -2, 4, 0, -4, 0, -1, 0, 0, 0,  
-2, 0, 0, 0, 1

4, 11, 18, 19, 29, 30, 31, 32, 43, 47, 61, 65

**A301235 TUN T16**  $O(IT) = 445, O(PL) = 14$

1, 4, 11, 21, 34, 57, 90, 123, 149, 183, 227, 275, 326, 352, 356, 385, 432, 457, 451, 439, 447,  
448, 426, 374, 281, 206, 172, 95, -54, -215, -326, -438, -586, -768, -981, -1157,  
-1308, -1492, -1765, -2011, -2122, -2229, -2411, -2588, -2682, -2691, -2643,  
-2629, -2676, -2644, -2387, -2080, -1964, -1852, -1542, -1041, -515, -108, 208,  
594, 1311, 2113, 2580, 2866, 3362, 4163, 4881, 5300, 5539, 5797, 6372, 7028, 7207, 6941,  
6885, 7228, 7445, 7176, 6617, 6164, 6000, 5949, 5419, 4390, 3543, 3262, 2954, 1968,  
733, -192, -681, -1130, -2053, -3390, -4458, -4726, -4914, -5840, -7047, -7660,  
-7644, -7687, -8239, -9065, -9497, -9147, -8643, -8949, -9704, -9727, -8906,  
-8264, -8406, -8748, -8561, -7675, -6702, -6632, -7068, -6752, -5477, -4505,  
-4617, -4835, -4272, -3051, -2070, -1996, -2317, -1862, -335, 844, 699, 367, 1176,  
2755, 3836, 3842, 3624, 4327, 6043, 7338, 7076, 6590, 7427, 9221, 10254, 9871, 9391,  
9994, 11505, 12437, 11854, 10992, 11411, 12831, 13369, 12317, 11274, 11510, 12550,  
12729, 11405, 10012, 9928, 10766, 10682, 8966, 7320, 7238, 7943, 7470, 5476, 3819, 3655,  
4137, 3512, 1317, -622, -850, -233, -1004, -3458, -5352, -5506, -5127, -6055,  
-8415, -10381, -10664, -10164, -11019, -13638, -15549, -15385, -14750, -15694,  
-17934, -19358, -19093, -18189, -18565, -20412, -21447, -20344, -18730, -18821,  
-20056, -20026, -18190, -16123, -15407, -15869, -15402, -12868, -9884, -8748,  
-8957, -7738, -4551, -1495, -166, 145, 1498, 4539, 7703, 8966, 8752, 9851, 12848,  
15426, 15894, 15370, 16089, 18175, 20024, 20072, 18843, 18697, 20290, 21468, 20452,  
18572, 18161, 19079, 19372, 17943, 15725, 14761, 15365, 15542, 13679, 11048, 10141,  
10671, 10412, 8436, 6061, 5137, 5513, 5349, 3480, 1033, 221, 853, 669, -1297, -3543,  
-4144, -3633, -3803, -5463, -7463, -7970, -7275, -7299, -8930, -10705, -10804,  
-9923, -10003, -11406, -12723, -12563, -11544, -11273, -12301, -13383, -12859,  
-11407, -10979, -11869, -12449, -11495, -9990, -9399, -9870, -10246, -9217,  
-7410, -6579, -7089, -7368, -6039, -4286, -3611, -3852, -3862, -2764, -1169,  
-344, -691, -877, 315, 1886, 2346, 1974, 2041, 3050, 4269, 4840, 4625, 4487, 5436,  
6750, 7085, 6620, 6682, 7665, 8555, 8730, 8420, 8271, 8886, 9727, 9712, 8940, 8625, 9170,  
9519, 9055, 8232, 7692, 7657, 7661, 7067, 5842, 4914, 4757, 4483, 3391, 2045, 1153, 699,  
214, -720, -1974, -2957, -3264, -3526, -4388, -5425, -5951, -5993, -6154, -6623,  
-7176, -7450, -7217, -6890, -6953, -7212, -7040, -6367, -5802, -5549, -5322,  
-4889, -4163, -3378, -2869, -2592, -2119, -1322, -598, -209, 85, 520, 1053, 1547,  
1845, 1963, 2075, 2384, 2658, 2675, 2628, 2642, 2700, 2682, 2583, 2423, 2236, 2127, 2013,  
1777, 1494, 1308, 1169, 976, 767, 587, 442, 324, 212, 58, -95, -168, -205, -283, -381,  
-424, -439, -450, -441, -456, -459, -432, -385, -355, -356, -325, -278, -228,  
-187, -153, -123, -92, -53, -33, -23, -10, -3, 1, 2

8, 12, 18, 19, 22, 26, 29, 30, 31, 32, 43, 47, 61, 65

**A301236 TUN T17**  $O(IT) = 444, O(PL) = 14$

1, 4, 11, 24, 39, 58, 86, 122, 157, 186, 226, 277, 319, 343, 368, 395, 419, 447, 456, 454, 438, 430, 415, 361, 304, 223, 143, 59, -45, -188, -341, -447, -595, -779, -965, -1136, -1336, -1558, -1735, -1937, -2132, -2279, -2408, -2572, -2655, -2638, -2670, -2682, -2640, -2525, -2394, -2183, -1932, -1781, -1495, -1021, -533, -183, 223, 782, 1325, 1944, 2542, 2984, 3433, 4126, 4820, 5212, 5541, 5986, 6404, 6744, 7086, 7137, 7005, 7113, 7284, 7087, 6606, 6349, 6087, 5645, 5199, 4594, 3806, 3121, 2699, 1925, 794, 11, -580, -1413, -2351, -3162, -4034, -4816, -5282, -5862, -6834, -7488, -7568, -7878, -8489, -8907, -9032, -9161, -9105, -8981, -9363, -9528, -8984, -8460, -8560, -8625, -8113, -7652, -7262, -6761, -6554, -6480, -5773, -4817, -4583, -4615, -3952, -3060, -2653, -2198, -1708, -1408, -764, 297, 849, 733, 1443, 2712, 3282, 3560, 4191, 4992, 5625, 6516, 7223, 7204, 7663, 8970, 9755, 9629, 9851, 10659, 11185, 11525, 11909, 11747, 11623, 12389, 12904, 12283, 11630, 12039, 12322, 11804, 11367, 10855, 10273, 10114, 10115, 9200, 7795, 7540, 7625, 6707, 5455, 4715, 4074, 3332, 2784, 1746, 77, -740, -692, -1613, -3420, -4580, -5017, -5835, -6971, -7983, -9446, -10598, -10858, -11576, -13366, -14824, -14962, -15379, -16617, -17559, -18278, -18928, -19086, -19055, -19881, -20763, -20156, -19254, -19486, -19728, -18967, -17926, -17045, -16029, -15174, -14574, -12900, -10485, -9270, -8594, -6837, -4305, -2400, -892, 904, 2411, 4305, 6838, 8606, 9269, 10468, 12907, 14605, 15178, 15992, 17016, 17936, 18979, 19740, 19497, 19235, 20114, 20746, 19900, 19068, 19074, 18900, 18257, 17560, 16634, 15379, 14941, 14830, 13397, 11581, 10831, 10594, 9465, 7988, 6975, 5852, 5030, 4575, 3425, 1627, 705, 757, -57, -1747, -2802, -3342, -4076, -4700, -5429, -6698, -7657, -7573, -7779, -9173, -10123, -10142, -10280, -10855, -11380, -11813, -12332, -12050, -11634, -12277, -12907, -12398, -11631, -11756, -11907, -11507, -11166, -10666, -9869, -9626, -9740, -8961, -7651, -7182, -7230, -6540, -5623, -4962, -4165, -3559, -3293, -2726, -1432, -715, -851, -320, 753, 1424, 1715, 2189, 2636, 3046, 3947, 4632, 4603, 4795, 5735, 6469, 6571, 6768, 7256, 7640, 8102, 8628, 8565, 8461, 8980, 9536, 9369, 8973, 9100, 9166, 9041, 8907, 8494, 7893, 7572, 7486, 6839, 5870, 5282, 4822, 4044, 3163, 2344, 1406, 579, -3, -782, -1929, -2713, -3131, -3799, -4584, -5207, -5649, -6085, -6350, -6610, -7091, -7289, -7120, -6999, -7131, -7091, -6753, -6404, -5979, -5537, -5211, -4823, -4131, -3432, -2979, -2547, -1951, -1320, -773, -223, 177, 534, 1024, 1497, 1785, 1929, 2175, 2392, 2529, 2642, 2684, 2673, 2638, 2655, 2575, 2408, 2274, 2129, 1940, 1737, 1554, 1332, 1136, 966, 782, 597, 445, 340, 189, 46, -60, -143, -222, -304, -360, -414, -430, -438, -453, -455, -449, -421, -395, -368, -343, -319, -277, -226, -186, -158, -123, -85, -57, -39, -24, -11, -4, -1

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8, 12, 18, 19, 22, 26, 29, 30, 31, 32, 43, 47, 61, 65

**A301237 TUN T18**  $O(IT) = 454, O(PL) = 14$

1, 4, 11, 22, 36, 55, 87, 123, 158, 184, 226, 273, 316, 349, 367, 386, 424, 463, 467, 442, 425, 433, 421, 381, 313, 219, 127, 68, -26, -175, -352, -466, -604, -756, -951, -1154, -1357, -1558, -1689, -1918, -2126, -2299, -2447, -2561, -2629, -2631, -2696, -2731, -2658, -2513, -2349, -2189, -1984, -1813, -1479, -1006, -554, -224, 174, 744, 1353, 2010, 2533, 2954, 3408, 4130, 4872, 5221, 5509, 5887, 6401, 6841, 7109, 7139, 6975, 7129, 7298, 7208, 6699, 6278, 6021, 5661, 5283, 4622, 3832, 3086, 2662, 1994, 945, 54, -703, -1398, -2346, -3153, -4002, -4776, -5314, -5991, -6731, -7421, -7593, -7959, -8509, -8927, -9090, -9056, -9143, -9142, -9465, -9470, -8949, -8481, -8490, -8718, -8245, -7673, -7066, -6797, -6739, -6455, -5774, -4759, -4582, -4528, -4111, -3191, -2473, -2147, -1730, -1494, -684, 208, 833, 942, 1404, 2550, 3253, 3797, 4120, 4923, 5670, 6490, 7096, 7219, 7946, 8853, 9709, 9626, 9825, 10591, 11272, 11762, 11626, 11663, 11751, 12500, 12850, 12256, 11776, 11798, 12378, 12083, 11450, 10591, 10212, 10360, 10117, 9249, 7804, 7520, 7439, 6940, 5719, 4507, 3968, 3368, 2944, 1593, 264, -600, -973, -1667, -3333, -4392, -5280, -5760, -6821, -8162, -9460, -10478, -10780, -11875, -13305, -14759, -15064, -15376, -16473, -17621, -18649, -18708, -18872, -19130, -20100, -20690, -20128, -19516, -19265, -19765, -19177, -18131, -16821, -15873, -15466, -14476, -12908, -10583, -9351, -8407, -6937, -4631, -2207, -778, 751, 2189, 4573, 6882, 8383, 9341, 10557, 12884, 14472, 15486, 15853, 16795, 18117, 19200, 19784, 19293, 19477, 20076, 20714, 20152, 19176, 18875, 18722, 18688, 17641, 16497, 15383, 15060, 14772, 13361, 11892, 10749, 10468, 9491, 8206, 6839, 5752, 5242, 4390, 3325, 1694, 938, 600, -219, -1571, -2949, -3389, -3952, -4488, -5703, -6941, -7476, -7543, -7801, -9212, -10096, -10366, -10188, -10574, -11439, -12087, -12384, -11801, -11758, -12247, -12856, -12543, -11754, -11638, -11620, -11778, -11288, -10592, -9844, -9650, -9718, -8875, -7926, -7208, -7092, -6528, -5703, -4894, -4127, -3791, -3292, -2570, -1417, -921, -814, -225, 680, 1521, 1763, 2135, 2449, 3185, 4125, 4545, 4586, 4737, 5743, 6466, 6745, 6806, 7040, 7658, 8245, 8695, 8489, 8460, 8951, 9475, 9484, 9137, 9112, 9049, 9094, 8934, 8498, 7935, 7603, 7416, 6747, 5999, 5323, 4801, 4031, 3179, 2351, 1409, 726, -20, -927, -1978, -2652, -3080, -3822, -4601, -5283, -5669, -6003, -6276, -6699, -7210, -7300, -7104, -6977, -7133, -7132, -6860, -6411, -5896, -5527, -5257, -4884, -4145, -3419, -2966, -2558, -2024, -1360, -748, -178, 196, 541, 1013, 1489, 1819, 1985, 2184, 2358, 2518, 2661, 2723, 2690, 2631, 2637, 2569, 2451, 2318, 2138, 1930, 1709, 1564, 1364, 1156, 950, 758, 601, 468, 351, 177, 22, -63, -124, -221, -314, -387, -426, -433, -424, -445, -471, -463, -419, -386, -368, -351, -324, -276, -225, -188, -162, -126, -88, -53, -33, -23, -10, -1, 1, 5, -3, -1, 1, 0, 0, 0, 0, -1, 1

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8, 12, 18, 19, 22, 26, 29, 30, 31, 32, 43, 47, 61, 65

**A301238 TUN T19**  $O(IT) = 455, O(PL) = 14$

1, 4, 11, 21, 35, 58, 86, 117, 149, 194, 230, 267, 316, 353, 374, 395, 417, 451, 469, 461, 441,  
411, 398, 396, 331, 222, 121, 42, -23, -162, -307, -501, -637, -746, -896, -1136,  
-1421, -1576, -1706, -1870, -2091, -2339, -2529, -2574, -2539, -2619, -2746,  
-2774, -2628, -2496, -2341, -2179, -2098, -1796, -1374, -932, -671, -290, 249,  
770, 1400, 1979, 2466, 2905, 3533, 4236, 4694, 5175, 5655, 6022, 6319, 6789, 7104, 7106,  
7155, 7183, 7150, 6965, 6898, 6477, 5891, 5567, 5233, 4697, 3882, 3234, 2443, 1702,  
1191, 340, -760, -1810, -2321, -3043, -3868, -4676, -5528, -6231, -6709, -6951,  
-7720, -8285, -8552, -8701, -8925, -9148, -9171, -9459, -9327, -9051, -8919,  
-8887, -8731, -8247, -8148, -7740, -7295, -6872, -6607, -6229, -5669, -5318,  
-4612, -4115, -3777, -3539, -2854, -2003, -1606, -1134, -819, -139, 514, 1355,  
1952, 2111, 2895, 3711, 4725, 5045, 5524, 6110, 6787, 7842, 8343, 8741, 8902, 9683,  
10419, 10774, 11111, 11296, 11704, 11834, 12259, 12275, 12230, 12282, 12278, 12252,  
11749, 11798, 11389, 11059, 10528, 10031, 9688, 8983, 8649, 7680, 6950, 6418, 5939,  
5215, 3859, 3109, 2321, 1794, 861, -246, -1430, -2477, -2895, -3890, -4964, -6389,  
-7168, -8020, -9004, -10014, -11464, -12326, -13255, -13761, -14947, -16180,  
-16800, -17489, -17889, -18814, -19184, -19743, -19940, -19924, -20133, -20022,  
-19904, -19083, -18757, -18133, -17379, -16329, -15078, -13990, -12516, -11476,  
-9774, -7981, -6187, -4605, -3052, -770, 954, 2922, 4490, 6287, 8053, 9720, 11518,  
12519, 13913, 15131, 16488, 17258, 17955, 18848, 19267, 19838, 19933, 20106, 19856,  
19916, 19930, 19187, 18569, 17849, 17694, 16805, 16010, 14962, 13834, 13236, 12351,  
11503, 9877, 8959, 8200, 7247, 6211, 4960, 4010, 2891, 2400, 1510, 259, -887, -1714,  
-2236, -3271, -3956, -5036, -5821, -6549, -7058, -7653, -8639, -8941, -9636,  
-10119, -10657, -10955, -11268, -11906, -11928, -12179, -12205, -12301, -12265,  
-12286, -12364, -11813, -11553, -11286, -11266, -10769, -10293, -9689, -8989,  
-8715, -8309, -7821, -6697, -6113, -5659, -5041, -4510, -3679, -3032, -2162,  
-1846, -1345, -503, 140, 756, 1097, 1742, 2064, 2707, 3447, 3878, 4178, 4591, 5262,  
5612, 6179, 6678, 6946, 7193, 7641, 8209, 8338, 8661, 8824, 8932, 9099, 9356, 9480, 9106,  
9086, 8972, 8814, 8528, 8199, 7711, 7031, 6737, 6237, 5488, 4650, 3906, 3144, 2330, 1683,  
724, -249, -1113, -1747, -2504, -3258, -3871, -4639, -5211, -5656, -5944, -6428,  
-6835, -7023, -7200, -7182, -7127, -7095, -7085, -6840, -6368, -5978, -5593,  
-5210, -4754, -4212, -3502, -2907, -2472, -1994, -1409, -733, -205, 268, 617,  
963, 1415, 1811, 2083, 2175, 2327, 2514, 2656, 2767, 2701, 2616, 2576, 2584, 2513, 2326,  
2087, 1883, 1725, 1574, 1390, 1127, 916, 746, 625, 482, 311, 167, 28, -46, -129, -224,  
-318, -394, -409, -421, -436, -451, -470, -455, -416, -389, -366, -354, -323,  
-271, -225, -187, -155, -121, -88, -54, -32, -20, -9, -5, 2, 3, -3, -4, 0, 0, -1,  
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8, 12, 18, 19, 22, 26, 29, 30, 31, 32, 43, 47, 61, 65

**A301239 TUN T20**  $O(IT) = 436, O(PL) = 14$

1, 4, 11, 21, 36, 60, 87, 113, 149, 194, 229, 257, 286, 310, 316, 316, 315, 286, 256, 247, 200,  
122, 86, 65, 4, -81, -132, -208, -327, -362, -411, -558, -698, -759, -843, -1027,  
-1143, -1225, -1386, -1479, -1508, -1640, -1745, -1682, -1559, -1555, -1498,  
-1276, -1170, -1015, -734, -516, -374, -143, 239, 402, 541, 948, 1291, 1560, 1905,  
2235, 2478, 2805, 3317, 3568, 3576, 3881, 4171, 4190, 4186, 4169, 4076, 3873, 3837, 3671,  
3064, 2756, 2664, 2399, 1939, 1477, 1179, 721, 476, 257, -403, -985, -1246, -1551,  
-2192, -2865, -3202, -3541, -3997, -4250, -4638, -5004, -5033, -4873, -4851,  
-5162, -4991, -4657, -4609, -4522, -4481, -4363, -4293, -4034, -3894, -4203,  
-4089, -3548, -3268, -3333, -3232, -2764, -2371, -1985, -1520, -1439, -1319,  
-651, -172, -251, -335, 148, 543, 568, 860, 896, 978, 1593, 2383, 2604, 2447, 3216,  
4077, 4358, 4588, 4940, 5240, 5491, 6014, 6005, 5472, 5656, 6336, 6293, 5876, 5888, 6131,  
6218, 6396, 6629, 6121, 5984, 6523, 6499, 5762, 5103, 5256, 5002, 4305, 3841, 3049, 2498,  
2449, 2412, 1633, 761, 972, 1058, 436, -111, -465, -841, -1207, -1594, -2434, -3692,  
-4044, -3959, -4870, -5948, -6630, -6805, -7106, -7559, -7910, -8804, -8923,  
-8567, -8964, -9888, -10402, -10005, -10095, -10598, -10856, -11201, -11171,  
-10500, -10043, -10183, -10079, -8864, -7640, -7269, -6518, -5515, -4498, -3319,  
-2342, -1723, -1426, -53, 1503, 1875, 2252, 3227, 4600, 5500, 6321, 7246, 7708, 8699,  
9949, 10299, 10066, 10385, 11248, 11384, 10821, 10575, 10298, 10073, 10296, 9951, 9082,  
8448, 8800, 8885, 7881, 7385, 7133, 6910, 6525, 5894, 5038, 4025, 3960, 3787, 2597,  
1514, 1136, 964, 450, -62, -445, -1005, -1122, -877, -1538, -2419, -2562, -2417,  
-2908, -3885, -4304, -4827, -5208, -5187, -5681, -6398, -6649, -6073, -6045,  
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-6077, -5522, -5144, -4969, -4719, -4341, -4063, -3368, -2529, -2534, -2412,  
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1873, 2398, 2797, 3140, 3302, 3371, 3565, 4040, 4290, 3982, 3990, 4290, 4450, 4469, 4441,  
4622, 4669, 4895, 5117, 4885, 4811, 4961, 5059, 4690, 4201, 4002, 3633, 3206, 2851, 2269,  
1588, 1185, 978, 456, -287, -537, -704, -1169, -1532, -1931, -2349, -2684, -2769,  
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106, 388, 539, 700, 989, 1184, 1279, 1461, 1557, 1574, 1661, 1744, 1668, 1517, 1469, 1405,  
1250, 1135, 1032, 869, 753, 683, 571, 412, 340, 324, 224, 124, 66, 9, -61, -93, -117,  
-191, -249, -261, -275, -315, -327, -313, -308, -292, -262, -226, -199, -157,  
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8, 9, 12, 19, 22, 26, 29, 30, 31, 32, 43, 47, 61, 65

**A301240 TUN T21**  $O(IT) = 445, O(PL) = 13$

1, 4, 11, 23, 37, 60, 88, 121, 155, 200, 235, 292, 351, 392, 456, 532, 587, 632, 684, 749,  
795, 833, 863, 884, 873, 876, 860, 793, 735, 640, 565, 417, 296, 76, -144, -332, -577,  
-864, -1249, -1494, -1808, -2194, -2520, -2891, -3239, -3605, -3857, -4159,  
-4488, -4742, -4902, -5059, -5242, -5284, -5345, -5245, -5071, -4868, -4715,  
-4377, -3820, -3378, -2863, -2249, -1508, -775, -31, 940, 1697, 2536, 3566, 4579,  
5444, 6202, 7208, 8101, 8921, 9646, 10301, 10848, 11471, 12099, 12335, 12528, 12752,  
12994, 12855, 12705, 12534, 12034, 11670, 11181, 10661, 9562, 8738, 8172, 7172, 6042,  
4882, 3954, 2737, 1649, 537, -798, -2067, -3031, -4034, -5446, -6611, -7578, -8538,  
-9583, -10454, -11406, -12570, -13055, -13587, -14460, -15411, -15785, -15952,  
-16736, -17094, -17343, -17669, -17877, -17808, -17727, -18192, -17993, -17479,  
-17224, -17164, -16725, -16083, -15665, -14803, -14059, -13394, -12692, -11159,  
-10096, -9464, -8165, -6680, -5229, -4255, -2517, -1142, 20, 1876, 3652, 5007, 6028,  
8108, 9969, 11107, 12468, 14057, 15528, 16828, 18450, 19472, 20269, 21564, 23149, 23830,  
24255, 25370, 26047, 26568, 27103, 27630, 27501, 27410, 28298, 28064, 27250, 26857,  
27011, 26511, 25269, 24815, 23716, 22517, 21491, 20462, 18613, 16610, 15480, 13818,  
11522, 9231, 7438, 4983, 2774, 694, -2130, -4990, -7326, -9040, -12272, -15216,  
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-36448, -36649, -37443, -38303, -38467, -38416, -38306, -37574, -36638, -36361,  
-35247, -33357, -31636, -30585, -28827, -26218, -24417, -22079, -19600, -17220,  
-15246, -12420, -9069, -7247, -5059, -2228, 727, 2778, 4873, 7430, 9308, 11478,  
13758, 15571, 16597, 18479, 20465, 21618, 22502, 23663, 24857, 25283, 26422, 27047,  
26961, 27198, 28007, 28367, 27431, 27389, 27652, 27198, 26549, 26022, 25459, 24259,  
23721, 23163, 21679, 20233, 19431, 18521, 16854, 15451, 14080, 12562, 11108, 9958,  
8178, 6024, 4941, 3709, 1967, -13, -1174, -2428, -4244, -5297, -6643, -8088, -9504,  
-10122, -11091, -12683, -13493, -14036, -14730, -15663, -16115, -16693, -17181,  
-17298, -17447, -17952, -18237, -17752, -17751, -17893, -17746, -17323, -17030,  
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3918, 4898, 6008, 7109, 8180, 8751, 9524, 10629, 11208, 11640, 11988, 12557, 12732,  
12826, 13000, 12791, 12524, 12303, 12132, 11517, 10836, 10315, 9702, 8923, 8080, 7235,  
6245, 5449, 4604, 3602, 2536, 1704, 981, 8, -797, -1492, -2214, -2878, -3393, -3788,  
-4376, -4746, -4866, -5041, -5268, -5384, -5280, -5235, -5085, -4914, -4743,  
-4514, -4179, -3845, -3610, -3259, -2887, -2527, -2219, -1824, -1486, -1262,  
-888, -568, -319, -160, 75, 310, 419, 559, 654, 742, 789, 859, 882, 875, 886, 872, 834,  
794, 759, 691, 625, 588, 537, 454, 391, 356, 298, 233, 199, 160, 122, 84, 60, 38, 21, 9, 3,  
-2, -2, -1, 1, 0, 0, 0, 0, 1, -1

12, 18, 19, 22, 26, 29, 30, 31, 32, 43, 47, 61, 65

**A301241 TUN T22**  $O(IT) = 435, O(PL) = 13$

1, 4, 11, 21, 38, 60, 86, 116, 152, 197, 247, 290, 334, 394, 450, 489, 514, 536, 589, 606, 599,  
572, 577, 551, 487, 429, 366, 281, 178, 92, -37, -182, -333, -475, -640, -828, -1026,  
-1292, -1466, -1665, -1915, -2167, -2391, -2519, -2782, -2943, -3057, -3139,  
-3225, -3263, -3206, -3180, -3109, -2921, -2723, -2468, -2180, -1877, -1526,  
-1087, -610, -182, 276, 923, 1455, 1879, 2468, 3076, 3675, 4090, 4645, 5186, 5546,  
6015, 6364, 6683, 6912, 7129, 7330, 7274, 7366, 7305, 7180, 7028, 6877, 6531, 6085, 5761,  
5462, 4909, 4218, 3822, 3173, 2524, 1823, 1224, 582, -220, -697, -1471, -2198, -2718,  
-3309, -3851, -4520, -4875, -5445, -6022, -6313, -6691, -7182, -7537, -7735,  
-8019, -8502, -8755, -8786, -9062, -9213, -9309, -9558, -9582, -9582, -9389,  
-9556, -9576, -9107, -9114, -8831, -8703, -8252, -7936, -7610, -6859, -6628,  
-6206, -5573, -4784, -4114, -3607, -2793, -2059, -1344, -437, 436, 1027, 2010,  
2967, 3833, 4391, 5206, 6393, 6921, 7839, 8583, 9316, 9903, 10497, 11477, 11722, 12233,  
12948, 13296, 13611, 13768, 14255, 14387, 14561, 14923, 14751, 14534, 14706, 14803,  
14419, 14062, 13933, 13771, 12973, 12640, 12155, 11291, 10778, 10059, 9396, 7982, 7104,  
6442, 5000, 4013, 2688, 1485, -35, -1270, -2411, -4253, -5636, -6711, -8168, -9884,  
-11183, -12368, -13669, -15029, -15832, -17024, -18330, -18757, -19451, -20125,  
-20826, -20914, -20897, -21467, -21054, -20931, -20738, -20132, -19456, -18660,  
-18350, -17089, -15797, -14968, -13746, -12353, -11043, -9856, -8284, -6716,  
-5614, -4263, -2363, -1153, -101, 1361, 2734, 4081, 4924, 6409, 7215, 7992, 9305,  
10021, 10777, 11240, 12217, 12742, 12928, 13624, 13961, 14101, 14395, 14804, 14803,  
14502, 14698, 14950, 14574, 14302, 14311, 13914, 13609, 13167, 12942, 12287, 11715,  
11524, 10566, 9873, 9252, 8621, 7836, 6847, 6418, 5330, 4360, 3757, 2934, 1999, 976,  
508, -354, -1418, -2169, -2763, -3590, -4176, -4798, -5497, -6194, -6670, -6869,  
-7670, -7976, -8173, -8593, -8880, -9185, -9098, -9544, -9591, -9338, -9535,  
-9578, -9577, -9267, -9246, -9124, -8746, -8640, -8502, -8067, -7765, -7540,  
-7191, -6642, -6280, -6068, -5453, -4837, -4546, -3925, -3295, -2656, -2184,  
-1509, -702, -276, 557, 1257, 1877, 2494, 3135, 3833, 4232, 4878, 5478, 5764, 6098,  
6554, 6905, 6985, 7128, 7354, 7430, 7265, 7304, 7136, 6920, 6677, 6373, 6031, 5522,  
5203, 4668, 4081, 3631, 3078, 2494, 1888, 1445, 920, 238, -181, -587, -1083, -1566,  
-1883, -2145, -2476, -2753, -2926, -3101, -3181, -3201, -3256, -3241, -3156,  
-3036, -2940, -2787, -2522, -2380, -2177, -1906, -1654, -1474, -1310, -1003,  
-809, -643, -486, -319, -179, -39, 96, 177, 275, 373, 435, 480, 540, 582, 576, 597,  
610, 587, 532, 512, 494, 444, 386, 340, 297, 243, 192, 151, 118, 86, 61, 34, 19, 14, 5, -4,  
-1, 4, 1, 1, 1, 0, 0, 1, 0, -1

11, 12, 18, 19, 26, 29, 30, 31, 32, 43, 47, 61, 65

**A301242 TUN T23**  $O(IT) = 450, O(PL) = 14$

1, 4, 11, 23, 38, 56, 87, 122, 151, 189, 230, 273, 312, 342, 368, 392, 430, 455, 453,  
442, 439, 441, 414, 363, 295, 229, 166, 75, -61, -206, -327, -445, -573, -779, -985,  
-1169, -1324, -1478, -1736, -1963, -2151, -2252, -2371, -2555, -2666, -2720,  
-2666, -2628, -2615, -2577, -2455, -2185, -1927, -1715, -1487, -1124, -645,  
-149, 295, 738, 1269, 1885, 2547, 3025, 3500, 4082, 4687, 5229, 5596, 5995, 6366, 6739,  
7027, 7113, 7157, 7174, 7225, 7058, 6724, 6397, 6082, 5731, 5191, 4541, 3826, 3272,  
2710, 1923, 902, 2, -613, -1350, -2217, -3250, -4108, -4723, -5255, -5894, -6807,  
-7444, -7736, -7915, -8360, -8901, -9165, -9245, -9125, -9117, -9307, -9457,  
-9121, -8640, -8501, -8489, -8236, -7670, -7257, -6882, -6629, -6319, -5667,  
-5008, -4621, -4543, -3935, -3072, -2558, -2238, -1908, -1275, -561, 272, 677,  
787, 1479, 2644, 3476, 3665, 4013, 4741, 5771, 6669, 7115, 7178, 7646, 8928, 9727, 9825,  
9805, 10420, 11210, 11641, 11921, 11660, 11729, 12292, 12756, 12454, 11848, 11969,  
12139, 11959, 11425, 10834, 10388, 10242, 10008, 9078, 8027, 7639, 7620, 6756, 5522,  
4590, 4054, 3634, 2735, 1546, 99, -503, -728, -1751, -3308, -4698, -5153, -5701,  
-6709, -8164, -9705, -10472, -10830, -11628, -13348, -14740, -15202, -15447,  
-16340, -17617, -18515, -18908, -18817, -19221, -19997, -20580, -20194, -19451,  
-19472, -19533, -19234, -18068, -16870, -16042, -15357, -14533, -12721, -10758,  
-9337, -8461, -6964, -4533, -2294, -695, 529, 2289, 4500, 6821, 8408, 9355, 10659,  
12639, 14582, 15354, 15943, 16872, 18127, 19176, 19511, 19574, 19490, 20136, 20640,  
20134, 19223, 18832, 19033, 18550, 17563, 16421, 15597, 15190, 14687, 13419, 11680,  
10816, 10530, 9750, 8069, 6659, 5808, 5179, 4593, 3297, 1781, 670, 482, -19, -1559,  
-2851, -3598, -3953, -4615, -5562, -6708, -7609, -7692, -7961, -8988, -10046,  
-10268, -10316, -10798, -11438, -11880, -12073, -12037, -11870, -12355, -12734,  
-12367, -11742, -11636, -11969, -11664, -11155, -10458, -9904, -9830, -9690,  
-8976, -7710, -7171, -7166, -6739, -5745, -4722, -4089, -3723, -3429, -2648,  
-1534, -755, -639, -314, 536, 1337, 1932, 2206, 2596, 3115, 3897, 4539, 4684, 5009,  
5611, 6330, 6663, 6842, 7255, 7706, 8189, 8418, 8520, 8684, 9063, 9405, 9315, 9096, 9095,  
9262, 9178, 8837, 8332, 7958, 7733, 7421, 6826, 5908, 5238, 4756, 4189, 3272, 2215, 1410,  
678, 25, -866, -1875, -2704, -3271, -3763, -4491, -5193, -5726, -6058, -6380,  
-6716, -7024, -7219, -7216, -7162, -7101, -7048, -6779, -6385, -6019, -5645,  
-5248, -4698, -4132, -3562, -3048, -2556, -1922, -1298, -757, -335, 127, 662,  
1124, 1460, 1706, 1946, 2190, 2457, 2597, 2615, 2618, 2681, 2749, 2669, 2552, 2394, 2275,  
2171, 1990, 1756, 1482, 1334, 1199, 999, 773, 574, 445, 321, 208, 68, -81, -173, -221,  
-291, -373, -423, -444, -445, -448, -454, -460, -439, -392, -367, -347, -314,  
-273, -233, -197, -154, -123, -92, -57, -36, -21, -9, 0, 4, 2, 1, 2, 1, -1, -1

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8, 12, 18, 19, 22, 26, 29, 30, 31, 32, 43, 47, 61, 65

**A301243 TUN T24**  $O(IT) = 445, O(PL) = 14$

1, 4, 10, 22, 39, 62, 83, 109, 155, 197, 231, 271, 308, 332, 374, 422, 425, 428, 453, 471,  
447, 427, 414, 347, 293, 259, 180, 35, -75, -182, -321, -449, -575, -764, -1020,  
-1145, -1298, -1539, -1734, -1921, -2144, -2331, -2372, -2483, -2703, -2755,  
-2665, -2637, -2602, -2518, -2457, -2328, -1949, -1559, -1428, -1192, -704,  
-186, 319, 881, 1349, 1718, 2366, 3206, 3695, 4006, 4554, 5176, 5698, 6126, 6478, 6586,  
6792, 7251, 7426, 7196, 6988, 6954, 6787, 6492, 6192, 5668, 4936, 4540, 4110, 3304, 2438,  
1774, 1116, 130, -695, -1465, -2372, -3201, -3861, -4661, -5571, -6098, -6527,  
-7238, -7922, -8110, -8367, -8756, -8995, -9187, -9396, -9396, -8962, -9007,  
-9298, -9085, -8554, -8164, -8013, -7708, -7491, -7174, -6385, -5831, -5767,  
-5537, -4734, -4012, -3738, -3318, -2805, -2363, -1706, -886, -525, -272, 389,  
1296, 1886, 2272, 3098, 3706, 4329, 4981, 5682, 6260, 6814, 7797, 8189, 8481, 9071, 9956,  
10433, 10494, 10947, 11385, 11737, 12026, 12267, 12018, 12012, 12478, 12673, 12156,  
11566, 11647, 11428, 11187, 10830, 10066, 9254, 8864, 8939, 8001, 6833, 6345, 5846, 5063,  
4086, 3404, 2303, 1303, 888, -2, -1408, -2461, -2926, -3996, -5235, -6077, -6928,  
-8237, -9263, -9966, -11390, -12413, -13026, -13714, -15271, -16337, -16473,  
-17312, -18090, -18772, -19187, -19853, -19934, -19596, -20153, -20413, -19734,  
-18861, -18746, -18285, -17277, -16352, -15283, -13704, -12381, -11718, -9982,  
-7741, -6106, -4838, -2948, -720, 789, 2793, 4742, 6152, 7803, 9905, 11692, 12326,  
13621, 15384, 16459, 17214, 18109, 18832, 18988, 19718, 20371, 20140, 19620, 19952,  
20008, 19149, 18619, 18109, 17515, 16557, 16211, 15278, 13732, 13069, 12443, 11427,  
9885, 9197, 8362, 6921, 5963, 5178, 4130, 2943, 2383, 1399, -26, -887, -1256, -2228,  
-3536, -4179, -4937, -5748, -6426, -6946, -7941, -8882, -8791, -9222, -10168,  
-10922, -11089, -11220, -11699, -11694, -12143, -12586, -12447, -12023, -12007,  
-12356, -12007, -11642, -11397, -11082, -10517, -10309, -9976, -9130, -8523,  
-8179, -7815, -6779, -6263, -5807, -4973, -4238, -3679, -3267, -2313, -1789,  
-1246, -393, 204, 477, 863, 1852, 2439, 2701, 3232, 3808, 4125, 4710, 5500, 5718, 5828,  
6449, 7245, 7423, 7576, 8070, 8276, 8562, 8999, 9278, 9032, 8969, 9429, 9354, 9125, 9002,  
8831, 8348, 7995, 7927, 7301, 6563, 6063, 5541, 4643, 3883, 3299, 2385, 1389, 658, -15,  
-1051, -1820, -2481, -3301, -4055, -4492, -4906, -5755, -6238, -6414, -6703,  
-6978, -7063, -7175, -7410, -7228, -6777, -6617, -6532, -6109, -5635, -5220,  
-4627, -4015, -3669, -3223, -2384, -1732, -1386, -870, -280, 173, 647, 1208, 1476,  
1542, 1918, 2319, 2465, 2525, 2624, 2630, 2616, 2768, 2758, 2497, 2342, 2325, 2160, 1936,  
1762, 1536, 1269, 1145, 1068, 783, 548, 431, 325, 196, 82, -34, -207, -270, -272, -335,  
-425, -441, -442, -467, -445, -427, -437, -431, -368, -325, -317, -278, -232,  
-195, -154, -109, -86, -64, -36, -21, -10, -4, 1, 2

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8, 12, 18, 19, 22, 26, 29, 30, 31, 32, 43, 47, 61, 65

**A301244 UEI T1**  $O(IT) = 24, O(PL) = 4$

1, 4, 10, 20, 34, 51, 66, 73, 72, 64, 45, 16, -16, -45, -64, -72, -73, -66, -51, -34,  
-20, -10, -4, -1  
4, 5, 7, 7

**A301245 UEI T2**  $O(IT) = 21, O(PL) = 3$

1, 4, 9, 19, 35, 54, 73, 91, 108, 120, 121, 112, 97, 78, 58, 37, 18, 7, 2, -1, -1  
5, 7, 7

**A301246 UFI T1**  $O(IT) = 61, O(PL) = 7$

1, 4, 9, 18, 33, 50, 66, 82, 89, 84, 75, 52, 11, -37, -95, -155, -203, -251, -297, -314,  
-296, -260, -207, -120, -7, 112, 223, 307, 372, 428, 452, 428, 372, 307, 223, 112, -7,  
-120, -207, -260, -296, -314, -297, -251, -203, -155, -95, -37, 11, 52, 75, 84, 89,  
82, 66, 50, 33, 18, 9, 4, 1  
5, 6, 7, 7, 11, 11, 13

**A301247 UFI T2**  $O(IT) = 65, O(PL) = 7$

1, 4, 10, 19, 31, 45, 59, 75, 86, 86, 79, 58, 22, -20, -77, -141, -197, -250, -291, -311,  
-312, -286, -227, -147, -45, 73, 197, 309, 390, 444, 468, 454, 410, 339, 245, 137, 20,  
-98, -200, -276, -325, -340, -326, -282, -227, -169, -99, -39, 7, 52, 83, 98, 100,  
92, 77, 61, 41, 20, 7, 0, -4, -8, -5, 1, 2  
5, 6, 7, 7, 11, 11, 13

**A301248 UFI T3**  $O(IT) = 63, O(PL) = 7$

1, 4, 10, 18, 26, 39, 47, 51, 48, 39, 27, 1, -24, -61, -83, -117, -142, -177, -164,  
-173, -124, -116, -37, -1, 105, 118, 202, 197, 273, 229, 252, 162, 176, 72, 65, -70,  
-62, -157, -133, -204, -157, -182, -102, -117, -44, -48, 19, 5, 54, 36, 65, 41, 52,  
29, 26, 7, 6, -3, 0, -4, 0, -2, 2  
3, 5, 7, 7, 11, 11, 13

**A301249 UOZ T1**  $O(IT) = 23, O(PL) = 3$

1, 4, 9, 19, 33, 45, 60, 81, 99, 111, 118, 120, 117, 109, 99, 83, 61, 45, 33, 19, 9, 4, 1  
4, 9, 9

**A301250 UOZ T2**  $O(IT) = 23, O(PL) = 3$

1, 4, 9, 19, 34, 47, 60, 78, 96, 111, 120, 121, 118, 111, 98, 79, 60, 47, 34, 19, 9, 4, 1  
4, 9, 9

**A301251 UOZ T3**  $O(IT) = 23, O(PL) = 3$

1, 4, 12, 18, 27, 48, 70, 82, 92, 108, 118, 120, 118, 108, 92, 78, 70, 52, 27, 18, 12, 4, 1  
4, 9, 9

**A301252 UOZ T4**  $O(IT) = 25, O(PL) = 3$

1, 4, 12, 18, 25, 48, 68, 70, 84, 108, 126, 132, 122, 112, 92, 74, 70, 52, 31, 18, 8, 4, -1, 0,  
2  
4, 9, 9

**A301253 USI T1**  $O(IT) = 66, O(PL) = 7$

1, 4, 10, 17, 26, 42, 59, 72, 71, 61, 66, 60, 24, -17, -59, -93, -125, -175, -215, -235,  
-237, -213, -186, -164, -120, -34, 49, 87, 130, 211, 295, 317, 271, 271, 317, 295, 211,  
130, 87, 49, -34, -120, -164, -186, -213, -237, -235, -215, -175, -125, -93, -59,  
-17, 24, 60, 66, 61, 71, 72, 59, 42, 26, 17, 10, 4, 1  
4, 6, 7, 10, 10, 12, 16

**A301254 USI T2**  $O(IT) = 73, O(PL) = 7$

1, 4, 9, 15, 25, 39, 51, 66, 75, 72, 71, 59, 36, 4, -50, -90, -119, -172, -223, -251,  
-242, -222, -221, -188, -118, -46, 18, 76, 159, 235, 274, 314, 327, 310, 302, 291, 257,  
174, 70, 15, -15, -94, -191, -225, -221, -232, -250, -251, -194, -123, -102, -69,  
-14, 33, 79, 84, 70, 81, 81, 70, 52, 21, 8, 6, -2, -6, -7, -4, 2, 2, 1, 2, 1  
4, 6, 7, 10, 10, 12, 16

**A301255 USI T3**  $O(IT) = 71, O(PL) = 7$

1, 4, 9, 16, 21, 28, 39, 42, 41, 39, 30, 17, -7, -37, -55, -75, -101, -120, -130, -135,  
-135, -110, -69, -39, -19, 12, 69, 120, 126, 136, 174, 189, 176, 147, 125, 119, 82, 19,  
-12, -33, -70, -101, -127, -140, -132, -124, -111, -83, -69, -49, -7, 16, 28, 42,  
44, 52, 51, 30, 24, 21, 11, 5, -5, -9, -4, -2, 1, 2, 0, 1, 1  
3, 4, 7, 10, 10, 12, 16

**A301256 USI T4**  $O(IT) = 66, O(PL) = 7$

1, 4, 10, 19, 31, 43, 49, 60, 76, 77, 65, 43, 19, 0, -44, -102, -140, -177, -209, -223, -231, -226, -201, -154, -91, -38, 9, 88, 177, 213, 227, 283, 342, 342, 283, 227, 213, 177, 88, 9, -38, -91, -154, -201, -226, -231, -223, -209, -177, -140, -102, -44, 0, 19, 43, 65, 77, 76, 60, 49, 43, 31, 19, 10, 4, 1

4, 6, 7, 10, 10, 12, 16

**A301257 USI T5**  $O(IT) = 63, O(PL) = 7$

1, 4, 9, 17, 24, 31, 41, 45, 43, 32, 12, 3, 1, -22, -63, -93, -105, -113, -127, -136, -112, -74, -69, -61, -17, 32, 79, 108, 120, 150, 163, 154, 163, 150, 120, 108, 79, 32, -17, -61, -69, -74, -112, -136, -127, -113, -105, -93, -63, -22, 1, 3, 12, 32, 43, 45, 41, 31, 24, 17, 9, 4, 1

3, 4, 7, 10, 10, 12, 16

**A301258 UTL T1**  $O(IT) = 176, O(PL) = 12$

1, 4, 9, 18, 32, 53, 79, 99, 116, 143, 162, 165, 144, 117, 72, 5, -71, -166, -284, -424, -574, -672, -744, -824, -897, -913, -853, -756, -632, -414, -159, 86, 383, 768, 1183, 1492, 1731, 2053, 2386, 2550, 2581, 2588, 2561, 2320, 1929, 1577, 1179, 523, -268, -929, -1489, -2273, -3142, -3777, -4192, -4659, -5135, -5295, -5091, -4954, -4820, -4265, -3358, -2515, -1770, -701, 694, 1816, 2668, 3776, 5060, 5951, 6364, 6842, 7427, 7547, 7104, 6681, 6332, 5550, 4232, 3083, 2170, 877, -828, -2251, -3174, -4158, -5491, -6426, -6750, -7052, -7471, -7476, -6905, -6283, -5913, -5143, -3793, -2569, -1738, -769, 633, 1860, 2589, 3318, 4234, 4877, 5005, 5028, 5271, 5221, 4675, 4113, 3735, 3208, 2325, 1407, 871, 304, -523, -1234, -1611, -1887, -2300, -2635, -2615, -2526, -2532, -2426, -2073, -1678, -1463, -1222, -773, -340, -65, 132, 397, 676, 784, 834, 912, 912, 824, 726, 669, 609, 433, 250, 151, 84, 2, -90, -135, -144, -168, -169, -144, -113, -101, -92, -53, -15, -10, -9, -1, 6, 7, -2, -5, -1, -1, -1, -1, -1

6, 7, 9, 10, 11, 13, 14, 15, 17, 19, 22, 24

**A301259 UTL T2**  $O(IT) = 179, O(PL) = 13$

1, 4, 9, 18, 31, 49, 69, 82, 85, 85, 87, 64, 31, -21, -93, -159, -227, -275, -345, -439, -498, -517, -460, -388, -331, -237, -122, 58, 291, 489, 686, 848, 991, 1211, 1351, 1392, 1371, 1280, 1206, 1073, 836, 538, 154, -237, -629, -1010, -1387, -1825, -2199, -2471, -2697, -2798, -2877, -2855, -2657, -2420, -2006, -1481, -939, -282, 352, 1015, 1751, 2399, 3052, 3615, 4012, 4314, 4452, 4489, 4405, 4107, 3690, 3069, 2363, 1601, 723, -136, -1100, -2056, -2824, -3595, -4191, -4662, -5108, -5277, -5295, -5106, -4642, -4183, -3598, -2847, -2015, -1032, -135, 731, 1592, 2339, 3098, 3704, 4143, 4434, 4415, 4416, 4340, 4040, 3645, 3022, 2376, 1759, 1000, 354, -293, -974, -1508, -2030, -2390, -2630, -2886, -2906, -2824, -2680, -2434, -2201, -1804, -1386, -1029, -609, -229, 174, 560, 820, 1084, 1220, 1271, 1370, 1382, 1346, 1208, 985, 859, 704, 497, 275, 37, -126, -232, -318, -382, -476, -538, -512, -442, -331, -273, -246, -164, -84, -10, 42, 61, 82, 91, 93, 96, 81, 48, 26, 14, 8, -1, -11, -6, 0, 2, 2, 0, 2, 2

4, 6, 7, 9, 10, 11, 13, 14, 15, 17, 19, 22, 24

**A301260 UTL T3**  $O(IT) = 183, O(PL) = 13$

1, 4, 12, 22, 33, 45, 60, 75, 94, 97, 80, 49, 18, -18, -76, -149, -237, -315, -364, -418, -443, -460, -461, -425, -351, -212, -72, 81, 246, 446, 661, 846, 1035, 1180, 1285, 1364, 1347, 1339, 1247, 1030, 797, 503, 167, -171, -610, -989, -1416, -1836, -2153, -2483, -2637, -2807, -2908, -2778, -2654, -2323, -1945, -1559, -911, -361, 308, 1105, 1719, 2415, 2992, 3426, 4012, 4266, 4476, 4527, 4279, 4111, 3639, 3071, 2476, 1563, 774, -177, -1110, -1861, -2816, -3545, -4182, -4784, -4975, -5213, -5254, -4959, -4778, -4208, -3569, -2877, -1906, -1132, -239, 731, 1530, 2414, 3027, 3589, 4085, 4303, 4498, 4507, 4319, 4056, 3495, 3016, 2506, 1766, 1114, 353, -341, -912, -1542, -1968, -2319, -2666, -2830, -2909, -2817, -2637, -2469, -2200, -1819, -1441, -1030, -616, -193, 169, 472, 765, 1033, 1219, 1322, 1358, 1370, 1326, 1195, 1060, 900, 690, 482, 267, 94, -51, -234, -359, -436, -485, -488, -475, -442, -384, -329, -242, -146, -63, -15, 17, 61, 96, 108, 104, 87, 63, 44, 30, 20, 9, -3, -4, -3, -1, 2, -3, 1, 3, -1, 0, 0, 0, 1

4, 6, 7, 9, 10, 11, 13, 14, 15, 17, 19, 22, 24

**A301261 UTL T4**  $O(IT) = 178, O(PL) = 12$

1, 4, 12, 21, 34, 49, 70, 97, 123, 149, 155, 151, 141, 124, 85, 10, -90, -186, -297, -408, -525, -655, -771, -848, -885, -864, -835, -769, -626, -419, -173, 101, 398, 760, 1109, 1429, 1789, 2087, 2322, 2473, 2573, 2624, 2516, 2284, 2012, 1630, 1141, 479, -172, -808, -1557, -2332, -3040, -3684, -4202, -4733, -5048, -5158, -5237, -5100, -4714, -4126, -3401, -2713, -1756, -577, 532, 1653, 2754, 3909, 4926, 5690, 6436, 7060, 7317, 7337, 7147, 6912, 6322, 5363, 4393, 3337, 2076, 704, -728, -1900, -3138, -4428, -5431, -6183, -6792, -7250, -7463, -7269, -6955, -6590, -5866, -4892, -3877, -2909, -1824, -532, 654, 1622, 2569, 3456, 4201, 4653, 5016, 5300, 5311, 5019, 4683, 4318, 3811, 3067, 2294, 1636, 947, 156, -528, -1091, -1566, -2035, -2391, -2520, -2577, -2635, -2557, -2333, -2078, -1817, -1524, -1107, -721, -432, -136, 175, 453, 631, 741, 861, 912, 902, 847, 787, 690, 544, 397, 308, 211, 91, -25, -99, -121, -153, -174, -165, -156, -135, -110, -79, -44, -28, -20, -5, 5, 8, 9, 1, 0, -1, -4, -2, 0, -1, 0, -1

6, 7, 9, 10, 11, 13, 14, 15, 17, 19, 22, 24

**A301262 UTL T5**  $O(IT) = 179, O(PL) = 13$

1, 4, 12, 21, 33, 44, 60, 80, 90, 94, 76, 55, 28, -24, -78, -148, -228, -304, -372, -421, -442, -477, -463, -422, -350, -211, -91, 90, 260, 430, 657, 854, 1058, 1204, 1272, 1337, 1359, 1313, 1223, 1033, 795, 524, 160, -159, -575, -1012, -1431, -1846, -2131, -2405, -2661, -2796, -2867, -2819, -2613, -2376, -1978, -1494, -1001, -328, 325, 1037, 1752, 2330, 2991, 3519, 3943, 4296, 4452, 4485, 4355, 3998, 3644, 3120, 2423, 1664, 717, -158, -1025, -1963, -2714, -3509, -4191, -4664, -5075, -5166, -5147, -5100, -4721, -4239, -3583, -2765, -2056, -1123, -222, 623, 1570, 2338, 3052, 3631, 3968, 4355, 4500, 4456, 4338, 3957, 3582, 3078, 2388, 1826, 1098, 382, -273, -971, -1442, -1912, -2356, -2610, -2831, -2897, -2819, -2708, -2406, -2155, -1872, -1451, -1068, -600, -211, 109, 491, 763, 1026, 1215, 1310, 1375, 1351, 1276, 1226, 1075, 890, 694, 456, 299, 99, -79, -210, -344, -415, -470, -480, -458, -441, -392, -326, -243, -152, -81, -25, 29, 56, 84, 99, 99, 87, 64, 44, 31, 25, 11, 2, -2, -3, 0, 0, 0, 0, 0, 1

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4, 6, 7, 9, 10, 11, 13, 14, 15, 17, 19, 22, 24

**A301263 UTL T6**  $O(IT) = 166, O(PL) = 11$

1, 4, 12, 22, 33, 52, 76, 106, 140, 160, 181, 209, 221, 226, 201, 152, 96, 29, -70, -201, -359, -495, -654, -789, -939, -1077, -1185, -1242, -1258, -1183, -1113, -980, -761, -468, -128, 264, 647, 1095, 1561, 2018, 2430, 2833, 3134, 3353, 3536, 3571, 3491, 3303, 2938, 2473, 1975, 1217, 449, -350, -1258, -2175, -3034, -3927, -4627, -5328, -5900, -6263, -6421, -6507, -6279, -5914, -5336, -4599, -3676, -2649, -1418, -205, 1012, 2306, 3559, 4641, 5673, 6511, 7174, 7684, 7853, 7863, 7698, 7203, 6515, 5731, 4674, 3595, 2342, 1078, -143, -1377, -2632, -3629, -4551, -5302, -5912, -6282, -6501, -6438, -6275, -5915, -5362, -4682, -3973, -3057, -2172, -1298, -395, 409, 1212, 1964, 2471, 2916, 3295, 3474, 3577, 3546, 3372, 3128, 2835, 2448, 2053, 1590, 1110, 652, 288, -107, -447, -746, -973, -1115, -1188, -1261, -1247, -1198, -1100, -956, -797, -659, -512, -362, -209, -72, 34, 100, 159, 208, 225, 228, 213, 184, 162, 141, 106, 75, 48, 33, 19, 11, 3, 0, 0, 1, 1, 1

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7, 9, 10, 11, 13, 14, 15, 17, 19, 22, 24

**A301264 UTL T7**  $O(IT) = 165, O(PL) = 11$

1, 4, 12, 20, 30, 49, 64, 83, 105, 104, 112, 108, 102, 74, 53, 19, -58, -105, -178, -274, -300, -410, -495, -517, -582, -573, -550, -577, -492, -414, -277, -117, 21, 191, 376, 646, 862, 1017, 1222, 1337, 1501, 1655, 1602, 1580, 1514, 1369, 1272, 1006, 621, 290, -74, -404, -825, -1289, -1753, -2068, -2288, -2534, -2793, -2957, -3003, -2826, -2615, -2436, -2179, -1779, -1261, -612, -119, 360, 930, 1530, 2125, 2597, 2880, 3153, 3411, 3598, 3637, 3438, 3182, 2904, 2596, 2178, 1558, 965, 409, -108, -563, -1227, -1741, -2141, -2472, -2608, -2819, -3016, -2945, -2845, -2554, -2294, -2100, -1753, -1346, -859, -423, -108, 304, 591, 971, 1271, 1369, 1557, 1594, 1592, 1672, 1499, 1366, 1253, 1011, 879, 654, 395, 227, 24, -124, -287, -420, -482, -577, -565, -579, -600, -523, -493, -425, -307, -286, -185, -103, -63, 27, 55, 73, 115, 106, 118, 116, 101, 93, 65, 45, 38, 17, 14, 0, -10, -2, -4, 1, 4, -2, 1, 0, 0, 2

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4, 7, 9, 11, 13, 14, 15, 17, 19, 22, 24

**A301265 UTL T8**  $O(IT) = 176, O(PL) = 12$

1, 4, 12, 24, 33, 42, 59, 82, 109, 118, 119, 104, 95, 100, 62, 34, -16, -125, -198, -226, -326, -401, -500, -657, -682, -659, -721, -686, -637, -656, -502, -259, -102, 164, 413, 578, 979, 1362, 1512, 1828, 2076, 2126, 2357, 2417, 2259, 2225, 1964, 1451, 1280, 818, 73, -403, -1101, -1885, -2339, -3009, -3691, -3985, -4490, -4954, -4799, -4790, -4714, -4252, -3904, -3335, -2339, -1561, -631, 640, 1434, 2412, 3655, 4482, 5380, 6130, 6375, 6806, 7080, 6823, 6643, 6248, 5326, 4552, 3601, 2426, 1382, 111, -1357, -2368, -3432, -4595, -5279, -6075, -6724, -6815, -7022, -6928, -6380, -6097, -5555, -4482, -3678, -2640, -1422, -651, 426, 1568, 2299, 3173, 4002, 4254, 4595, 4908, 4783, 4848, 4668, 4028, 3651, 3162, 2352, 1843, 1277, 409, -82, -670, -1309, -1501, -1844, -2276, -2305, -2362, -2429, -2160, -2019, -1892, -1550, -1340, -1065, -624, -373, -218, 97, 287, 443, 667, 665, 664, 751, 684, 658, 686, 521, 389, 343, 233, 192, 147, 25, -38, -60, -103, -120, -99, -116, -124, -102, -93, -65, -37, -36, -24, -12, -4, 1, 2

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4, 7, 10, 11, 13, 14, 15, 17, 18, 19, 22, 24

**A301266 UTL T9**  $O(IT) = 187, O(PL) = 12$

1, 4, 12, 20, 33, 44, 56, 86, 103, 118, 122, 97, 97, 105, 79, 39, -30, -118, -179, -224, -332, -405, -496, -623, -669, -694, -723, -700, -677, -662, -505, -272, -134, 129, 423, 588, 944, 1305, 1512, 1886, 2095, 2106, 2383, 2468, 2303, 2234, 1992, 1559, 1310, 824, 134, -343, -1068, -1929, -2349, -2941, -3715, -4059, -4546, -4961, -4805, -4945, -4856, -4248, -3961, -3467, -2441, -1595, -639, 569, 1392, 2448, 3690, 4491, 5363, 6248, 6540, 6804, 7141, 6978, 6817, 6373, 5346, 4647, 3740, 2469, 1407, 136, -1317, -2381, -3530, -4629, -5309, -6211, -6864, -6945, -7081, -6997, -6567, -6237, -5613, -4556, -3777, -2705, -1402, -615, 434, 1599, 2330, 3261, 4083, 4277, 4736, 5080, 4840, 4928, 4761, 4106, 3723, 3142, 2365, 1954, 1302, 366, -156, -717, -1331, -1593, -1917, -2313, -2351, -2409, -2506, -2195, -2055, -2009, -1584, -1294, -1036, -613, -404, -194, 169, 290, 453, 689, 716, 730, 746, 718, 699, 654, 531, 423, 350, 232, 160, 126, 42, -50, -95, -135, -105, -89, -150, -122, -116, -100, -47, -51, -31, -9, -17, 1, 12, -1, 3, 5, -2, 6, -2, -6, 2, 0, 0, 0, -2

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4, 7, 10, 11, 13, 14, 15, 17, 18, 19, 22, 24



**A301267 UTL T10**  $O(IT) = 193, O(PL) = 12$

1, 4, 12, 20, 28, 51, 73, 99, 140, 160, 187, 223, 219, 255, 273, 230, 172, 106, 18, -81,  
-247, -433, -596, -817, -1009, -1213, -1413, -1558, -1687, -1747, -1689, -1625,  
-1517, -1220, -820, -357, 134, 692, 1467, 2188, 2899, 3549, 4281, 4912, 5340, 5676,  
5936, 5932, 5639, 5168, 4569, 3788, 2516, 1105, -168, -1688, -3393, -5180, -6780,  
-8206, -9629, -10850, -11738, -12214, -12565, -12470, -11833, -10720, -9579,  
-7994, -5844, -3394, -938, 1495, 4238, 7108, 9571, 11856, 13898, 15730, 16933, 17681,  
18001, 17935, 17069, 15585, 13964, 11942, 9367, 6294, 3273, 260, -2842, -6052, -9001,  
-11438, -13722, -15620, -16893, -17763, -18059, -17942, -17146, -15849, -14093,  
-12358, -9982, -7301, -4643, -1988, 645, 3191, 5611, 7715, 9401, 10809, 11845, 12337,  
12654, 12482, 11923, 11025, 9842, 8498, 7068, 5376, 3553, 1995, 353, -1058, -2395,  
-3634, -4574, -5217, -5719, -5957, -6001, -5842, -5489, -5008, -4427, -3683,  
-3019, -2292, -1537, -771, -192, 370, 813, 1195, 1555, 1686, 1717, 1817, 1740, 1595,  
1488, 1255, 1046, 853, 600, 449, 283, 60, -30, -117, -188, -237, -289, -286, -239,  
-233, -200, -166, -134, -110, -72, -44, -25, -19, -6, -2, 10, 5, -1, -1, 0, -2, 0,  
0, 0, 0, -2

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7, 10, 11, 12, 13, 14, 15, 17, 18, 19, 22, 24

**A301268 UTL T11**  $O(IT) = 179, O(PL) = 13$

1, 4, 12, 20, 35, 46, 54, 77, 93, 95, 96, 52, 2, -21, -75, -141, -202, -337, -392, -405,  
-451, -429, -474, -468, -335, -225, -61, 110, 250, 439, 646, 868, 1040, 1165, 1272,  
1325, 1368, 1369, 1168, 1040, 807, 491, 239, -193, -585, -925, -1436, -1785, -2136,  
-2482, -2645, -2823, -2877, -2815, -2720, -2369, -1968, -1501, -976, -463, 342,  
1078, 1764, 2450, 2933, 3463, 3998, 4253, 4562, 4541, 4279, 4084, 3639, 3115, 2511, 1541,  
766, -105, -1049, -1899, -2779, -3532, -4193, -4724, -5028, -5238, -5227, -5062,  
-4793, -4214, -3636, -2926, -1934, -1125, -240, 748, 1441, 2427, 3137, 3541, 4076,  
4340, 4459, 4603, 4349, 4012, 3548, 2980, 2459, 1874, 1165, 381, -373, -924, -1516,  
-1935, -2321, -2725, -2794, -2908, -2892, -2642, -2542, -2230, -1793, -1506,  
-995, -582, -241, 221, 506, 752, 1054, 1198, 1362, 1397, 1360, 1273, 1184, 1074, 872,  
695, 473, 235, 144, -53, -234, -322, -479, -499, -423, -466, -420, -384, -375,  
-232, -143, -80, -23, 11, 46, 88, 113, 98, 93, 80, 40, 40, 28, 4, 0, -5, -12, 0, -2, 2, 2,  
0, 2

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4, 6, 7, 9, 10, 11, 13, 14, 15, 17, 19, 22, 24

**A301269 UTL T12**  $O(IT) = 178, O(PL) = 11$

1, 4, 12, 22, 30, 49, 73, 105, 141, 167, 177, 219, 261, 272, 287, 262, 242, 226, 163, 43, -85,  
-212, -342, -533, -738, -977, -1157, -1326, -1500, -1693, -1801, -1834, -1772,  
-1706, -1559, -1339, -998, -543, -9, 512, 1099, 1755, 2502, 3197, 3794, 4313, 4843,  
5328, 5602, 5690, 5549, 5334, 4935, 4331, 3539, 2519, 1322, 158, -1144, -2539, -4078,  
-5509, -6728, -7780, -8883, -9761, -10383, -10532, -10515, -10311, -9762, -8834,  
-7616, -6115, -4478, -2686, -828, 1217, 3338, 5322, 7057, 8687, 10214, 11539, 12389,  
12755, 12953, 12871, 12462, 11554, 10308, 8893, 7239, 5412, 3520, 1428, -680, -2598,  
-4311, -5956, -7498, -8865, -9711, -10225, -10517, -10661, -10439, -9806, -8929,  
-7948, -6854, -5605, -4191, -2713, -1229, 84, 1252, 2374, 3505, 4340, 4921, 5286,  
5552, 5763, 5689, 5332, 4895, 4400, 3870, 3254, 2553, 1846, 1158, 523, 34, -490, -996,  
-1353, -1575, -1683, -1784, -1866, -1855, -1709, -1519, -1365, -1203, -983,  
-759, -545, -357, -213, -97, 47, 156, 246, 261, 268, 287, 294, 269, 230, 174, 160, 153,  
110, 65, 50, 29, 21, 6, 0, -3, 0, 0, 0, 2, 2

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7, 11, 12, 13, 14, 15, 17, 18, 19, 22, 24