

1辺がn個の1円玉で構成される正六角形に含まれる1円玉の個数 S_n

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(記事) <http://techpr.cocolog-nifty.com/nakamura/2014/02/1n161-ab50.html>

漸化式 : $S_1 = 1$, $S_n = 6 * (n - 1) + S_{n-1}$

一般項 : $S_n = 3 * n * (n - 1) + 1$

n 500

S_n 748,501

n	S_n
1	1
2	7
3	19
4	37
5	61
6	91
7	127
8	169
9	217
10	271
11	331
12	397
13	469
14	547
15	631
16	721
17	817
18	919
19	1,027
20	1,141
21	1,261
22	1,387
23	1,519
24	1,657
25	1,801
26	1,951
27	2,107
28	2,269
29	2,437
30	2,611
31	2,791
32	2,977
33	3,169
34	3,367
35	3,571
36	3,781
37	3,997
38	4,219
39	4,447
40	4,681
41	4,921
42	5,167
43	5,419
44	5,677
45	5,941
46	6,211
47	6,487
48	6,769
49	7,057
50	7,351

n	S_n
51	7,651
52	7,957
53	8,269
54	8,587
55	8,911
56	9,241
57	9,577
58	9,919
59	10,267
60	10,621
61	10,981
62	11,347
63	11,719
64	12,097
65	12,481
66	12,871
67	13,267
68	13,669
69	14,077
70	14,491
71	14,911
72	15,337
73	15,769
74	16,207
75	16,651
76	17,101
77	17,557
78	18,019
79	18,487
80	18,961
81	19,441
82	19,927
83	20,419
84	20,917
85	21,421
86	21,931
87	22,447
88	22,969
89	23,497
90	24,031
91	24,571
92	25,117
93	25,669
94	26,227
95	26,791
96	27,361
97	27,937
98	28,519
99	29,107
100	29,701

n	S_n
101	30,301
102	30,907
103	31,519
104	32,137
105	32,761
106	33,391
107	34,027
108	34,669
109	35,317
110	35,971
111	36,631
112	37,297
113	37,969
114	38,647
115	39,331
116	40,021
117	40,717
118	41,419
119	42,127
120	42,841
121	43,561
122	44,287
123	45,019
124	45,757
125	46,501
126	47,251
127	48,007
128	48,769
129	49,537
130	50,311
131	51,091
132	51,877
133	52,669
134	53,467
135	54,271
136	55,081
137	55,897
138	56,719
139	57,547
140	58,381
141	59,221
142	60,067
143	60,919
144	61,777
145	62,641
146	63,511
147	64,387
148	65,269
149	66,157
150	67,051