Goldbach's conjecture

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Abstract

I proved the Goldbach's conjecture.
Even numbers are prime numbers and prime numbers added, but it has not been
proven yet whether it can be true even for a huge number (forever huge number).
All prime numbers are included in (6n -1) or (6n +1) except 2 and 3 (n is a positive
integer).
All numbers are executed in hexadecimal notation. This does not change even in a
huge number (forever huge number).

Discussion

2 (6n +2)
4 (6n -2)
6 (6n) in the figure are even numbers.
1 (6n +1)
3 (6n +3)
5 (6n -1) are odd numbers.

prime numbers are (6n -1) or (6n +1). Except 2 and 3. (n is positive integer).
The following is a prime number.
There are no prime numbers that are not 6n -1 or 6n +1.
2 ——
3 ——
5 —— 6n -1 (Twin prime)
7 —— 6n+1
11 —— 6n -1 (Twin prime)
13 —— 6n+1
17 —— 6n -1 (Twin prime)
19 —— 6n+1
23 —— 6n -1
29 —— 6n -1 (Twin prime)
31 —— 6n+1
37 —— 6n+1
41 —— 6n -1 (Twin prime)
43 —— 6n+1

47 —— 6n -1
53 —— 6n -1
59 —— 6n -1
61 —— 6n+1
67 —— 6n+1
71 —— 6n -1 (Twin prime)
73 —— 6n+1
79 —— 6n+1
83 —— 6n -1
89 —— 6n -1
97 —— 6n+1
101 —— 6n -1 (Twin prime)
103 —— 6n+1
107 —— 6n -1 (Twin prime)
109 —— 6n+1
113 —— 6n -1
127 —— 6n+1
131 —— 6n -1
137 ——6n -1 (Twin prime)
139 ——6n+1
149 ——6n -1 (Twin prime)
151 ——6n+1
157 ——6n+1
163 ——6n+1
167 ——6n -1
173 ——6n -1
179 ——6n -1 (Twin prime)
181 ——6n+1
191 ——6n -1(Twin prime)
193 ——6n+1
197 ——6n -1 (Twin prime)
199 ——6n+1
211 ——6n+1
223 ——6n+1
227 ——6n -1 (Twin prime)
229 ——6n+1
233 ——6n -1
239 ——6n -1 (Twin prime)
241 ——6n+1
251 ——6n -1
257 ——6n -1
263 ——6n -1
269 ——6n -1 (Twin prime)
271 ——6n+1
277 —— 6n+1
281 —— 6n -1 (Twin prime)
283 —— 6n+1
293 —— 6n+1
307 —— 6n+1
311 —— 6n -1 (Twin prime)

313 —— 6n+1
317 —— 6n -1
331 —— 6n+1
337 —— 6n+1
347 —— 6n -1 (Twin prime)
349 —— 6n+1
353 —— 6n -1
359 —— 6n -1
367 —— 6n+1
373 —— 6n -1
379 —— 6n+1
383 —— 6n -1
389 —— 6n -1
397 —— 6n+1
401 —— 6n -1
409 —— 6n+1
419 —— 6n -1 (Twin prime)
421 —— 6n+1
431 —— 6n -1 (Twin prime)
433 —— 6n+1
439 —— 6n+1
443 —— 6n -1
449 —— 6n -1
457 —— 6n+1
461 —— 6n -1 (Twin prime)
463 —— 6n+1
467 —— 6n -1
479 —— 6n -1
487 —— 6n+1
491 —— 6n -1
499 —— 6n+1
503 —— 6n -1
509 —— 6n -1
521 —— 6n -1 (Twin prime)
523 —— 6n+1
541 —— 6n+1
547 —— 6n+1
557 —— 6n -1
563 —— 6n -1
569 —— 6n -1 (Twin prime)
571 —— 6n+1
577 —— 6n+1
587 —— 6n -1
593 —— 6n -1
599 —— 6n -1 (Twin prime)
601 —— 6n+1
607 —— 6n+1
613 —— 6n+1
617 —— 6n -1 (Twin prime)
619 —— 6n+1

631——— 6n+1
641——— 6n -1 (Twin prime)
643——— 6n+1
647——— 6n -1
653——— 6n -1
659——— 6n -1 (Twin prime)
661——— 6n+1
673——— 6n+1
677——— 6n -1
683——— 6n+1
691——— 6n+1
701——— 6n -1
709——— 6n+1
719——— 6n -1
727——— 6n+1
733——— 6n+1
739——— 6n+1
743——— 6n -1
751——— 6n+1
757——— 6n+1
761——— 6n -1
769——— 6n+1
773——— 6n -1
787——— 6n+1
797——— 6n -1
809——— 6n -1 (Twin prime)
811——— 6n+1
821——— 6n -1 (Twin prime)
823——— 6n+1
827——— 6n -1 (Twin prime)
829——— 6n+1
839——— 6n -1
853——— 6n+1
857——— 6n -1 (Twin prime)
859——— 6n+1
863——— 6n -1
877——— 6n+1
881——— 6n -1 (Twin prime)
883——— 6n+1
887——— 6n -1
907——— 6n+1
911——— 6n -1
919——— 6n+1
929——— 6n -1
937——— 6n+1
941——— 6n -1
947——— 6n -1
953——— 6n -1
967——— 6n -1
971——— 6n -1

977——— 6n -1
983——— 6n -1
991——— 6n+1
997——— 6n+1
1009——— 6n -1
1013——— 6n+1
1019——— 6n -1 (Twin prime)
1021——— 6n+1
1031——— 6n -1 (Twin prime)
1033——— 6n+1
1039——— 6n+1
1049——— 6n -1 (Twin prime)
1051——— 6n+1
1061——— 6n -1 (Twin prime)
1063——— 6n+1
1069——— 6n+1
1087——— 6n+1
1091——— 6n -1 (Twin prime)
1093——— 6n+1
1097——— 6n -1
1103——— 6n -1
1109——— 6n -1
1117——— 6n+1
1123——— 6n+1
1129——— 6n+1
1151——— 6n -1 (Twin prime)
1153——— 6n+1
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......
(Even numbers greater than 2 are all sums of two prime numbers, below)
(n is a positive integer)
$4=2+2$
$6=3+3$
$8= 3+(6n-1)$, $3+5$, $n=0,1$
$10=(6n -1)+(6n-1)$, $5+5$, $n=1,1$
$12=(6n -1)+(6n+1)$, $5+7$, $n=1,1$
$14=(6n+1)+(6n+1)$, $7+7$, $n=1,1$
$16=(6n -1)+(6n -1)$, $5+11$, $n=1,2$
$18=(6n+1)+(6n -1)$, $7+11$, $n=1,2$
$20=(6n+1)+(6n+1)$, $7+13$, $n=1,2$
$22=(6n -1)+(6n-1)$, $11+11$, $n=2,2$
$24=(6n -1)+(6n+1)$, $11+13$, $n=2,2$
$26=(6n+1)+(6n+1)$, $13+13$, $n=2,2$
$28=(6n -1)+(6n -1)$, $11+17$, $n=2,3$
$30=(6n -1)+(6n+1)$, $11+19$, $n=2,3$
$32=(6n+1)+(6n+1)$, $13+19$, $n=2,3$
$34=(6n -1)+(6n -1)$, $17+17$, $n=3,3$
$36=(6n -1)+(6n+1)$, $17+19$, $n=3,3$
$38=(6n+1)+(6n+1)$, $19+19$, $n=3,3$
$40=(6n -1)+(6n -1)$, $17+23$, $n=3,4$

42=(6n+1)+(6n -1), 19+23, n=3,4
44=(6n+1)+(6n+1), 13+31, n=2,5
46=(6n -1)+(6n -1), 23+23, n=4,4
48=(6n+1)+(6n -1), 19+29, n=3,5
50=(6n+1)+(6n+1), 19+31, n=3,5
And
52=(6n -1)+(6n -1), 23+29, n=4,5
54=(6n -1)+(6n+1), 23+31, n=4,5
56=(6n+1)+(6n+1), 13+43, n=2,7
58=(6n -1)+(6n -1), 29+29, n=5,5
60=(6n -1)+(6n+1), 29+31, n=5,5
62=(6n+1)+(6n+1), 31+31, n=5,5
64=(6n -1)+(6n -1), 23+41, n=4,7
66=(6n -1)+(6n+1), 23+43, n=4,7
68=(6n+1)+(6n+1), 31+37, n=5,6
70=(6n -1)+(6n -1), 29+41, n=5,7
72=(6n+1)+(6n -1), 31+41, n=5,7
74=(6n+1)+(6n+1), 37+37, n=6,6
76=(6n -1)+(6n -1), 29+47, n=5,8
78=(6n+1)+(6n -1), 37+41, n=6,7
80=(6n -1)+(6n -1), 29+59, n=5,10
82=(6n -1)+(6n -1), 41+41, n=7,7
84=(6n -1)+(6n+1), 41+43, n=7,7
86=(6n+1)+(6n+1), 43+43, n=7,7
88=(6n -1)+(6n -1), 41+47, n=7,8
90=(6n -1)+(6n+1), 29+61, n=5,10
92=(6n+1)+(6n+1), 31+61, n=5,10
94=(6n -1)+(6n -1), 47+47, n=8,8
96=(6n -1)+(6n+1), 47+49, n=8,8
98=(6n+1)+(6n+1), 37+61, n=6,10
100=(6n -1)+(6n -1), 41+59, n=7,10
102=(6n -1)+(6n+1), 41+61, n=7,10
104=(6n+1)+(6n+1), 43+61, n=7,10
106=(6n -1)+(6n-1), 53+53, n=9,9
108=(6n -1)+(6n+1), 47+61, n=8,10
110=(6n+1)+(6n+1), 43+67, n=7,11
112=(6n -1)+(6n -1), 53+59, n=9,10
114=(6n -1)+(6n+1), 53+61, n=9,10
116=(6n+1)+(6n+1), 43+73, n=7,12
118=(6n -1)+(6n -1), 59+59, n=10,10
120=(6n -1)+(6n+1), 59+61, n=10,10
122=(6n+1)+(6n+1), 61+61, n=10,10
124=(6n -1)+(6n -1), 53+71, n=9,12
126=(6n -1)+(6n+1), 53+73, n=9,12
128=(6n+1)+(6n+1), 61+67, n=10,11
130=(6n -1)+(6n -1), 59+71, n=10,12
132=(6n -1)+(6n+1), 59+73, n=10,12
134=(6n+1)+(6n+1), 67+67, n=11,11
136=(6n -1)+(6n -1), 53+83, n=9,14
138=(6n -1)+(6n+1), 59+79, n=10,13

140=(6n+1)+(6n+1), 67+73, n=11,12
142=(6n -1)+(6n -1), 71+71, n=12,12
144=(6n -1)+(6n+1), 71+73, n=12,12
146=(6n+1)+(6n+1), 73+73, n=12,12
148=(6n -1)+(6n -1), 59+89, n=10,15
150=(6n -1)+(6n+1), 71+79, n=12,13
152=(6n+1)+(6n+1), 73+79, n=12,13
154=(6n -1)+(6n -1), 71+83, n=12,14
156=(6n+1)+(6n -1), 73+83, n=12,14
158=(6n+1)+(6n+1), 79+79, n=13,13
154=(6n -1)+(6n -1), 71+83, n=12,14
156=(6n+1)+(6n -1), 73+83, n=12,14
158=(6n+1)+(6n+1), 79+79, n=13,13
160=(6n -1)+(6n -1), 71+89, n=12,15
162=(6n -1)+(6n+1), 59+103, n=10,17
164=(6n+1)+(6n+1), 73+91, n=12,15
166=(6n -1)+(6n -1), 83+83, n=14,14
168=(6n -1)+(6n+1), 83+85, n=14,14
170=(6n+1)+(6n+1), 85+85, n=14,14
172=(6n -1)+(6n -1), 71+101,n=12,17
174=(6n -1)+(6n+1), 71+103,n=12,17
176=(6n+1)+(6n+1), 73+103,n=12,17
178=(6n -1)+(6n -1), 89+89, n=15,15
180=(6n -1)+(6n+1), 83+97, n=14,16
182=(6n+1)+(6n+1), 79+103, n=13,17
184=(6n -1)+(6n -1), 83+101, n=14,17
186=(6n -1)+(6n+1), 89+97, n=15,16
188=(6n+1)+(6n+1), 61+127, n=10,21
190=(6n -1)+(6n -1), 89+101, n=15,17
192=(6n -1)+(6n+1), 83+109, n=14,18
194=(6n+1)+(6n+1), 97+97, n=16,16
196=(6n -1)+(6n -1), 83+113, n=14,19
198=(6n -1)+(6n+1), 89+109, n=15,18
200=(6n+1)+(6n+1), 97+103, n=16,17
202=(6n -1)+(6n -1), 101+101, n=17,17
204=(6n -1)+(6n+1), 101+103, n=17,17
206=(6n+1)+(6n+1), 103+103, n=17,17
208=(6n -1)+(6n -1), 101+107, n=17,18
210=(6n -1)+(6n+1), 101+109, n=17,18
212=(6n+1)+(6n+1), 103+109, n=17,18
214=(6n -1)+(6n -1), 107+107, n=18,18
216=(6n -1)+(6n+1), 107+109, n=18,18
218=(6n+1)+(6n+1), 109+109, n=18,18
220=(6n -1)+(6n -1), 107+113, n=18,19
222=(6n -1)+(6n+1), 89+133, n=15,22
224=(6n+1)+(6n+1), 97+127, n=16,21
....
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Conclusion

Thus, all numbers are executed in hexadecimal notation. For example, it does not change in a huge number (forever huge number).

(6n+2), (6n -2), (6n) are even numbers. (6n+1)=(6n -5), (6n+3)=(6n -3), (6n+5)=(6n -1) are odd numbers.

But, (6n +3) are not prime number,except 3.

And, at (6n -1), include multiples of 5 are not prime numbers.

For example,

5, 35, 65, 95, 125, 155, 185, 215, 245, 275, 305, 335, 365.....

And, at (6n +1), include multiples of 7 are not prime numbers.

For example, 49,63,77,91,119,133,147,161,189,203,217,231,259,273,287,301,329,34 3,357,371,399,413,427,441,469,483,497,511,539,553,567,581,609.....

In a hexagonal diagram, (6n -1) and (6n+1), many are prime numbers.

And, (6n+2)=2(3n+1), (6n -3)=3(2n -1) and (6n -2)=2(3n -1) are not prime number except 2 and 3.

And,

(6n -5)+(6n -5)=2(6n) -6 -4, 2th angle is Even numbers.

(6n -5)+(6n+5)=2(6n), 0th angle is Even numbers.

(6n -1)+(6n -1)=2(6n) -2, 4th angle is Even numbers.

(6n -1)+(6n+1)=2(6n), 0th angle is Even numbers.

(6n+1)+(6n -1)=2(6n), 0th angle is Even numbers.

(6n+1)+(6n+1)=2(6n)+2, 2th angle is Even numbers.

(6n+5)+(6n -5)=2(6n), 0th angle is Even numbers.

(6n+5)+(6n+5)=2(6n)+6+4, 4th angle is Even numbers.

0th angle (6n)=6, 12, 18, 24, 30, 36, 42, 48, 54, 60......= (6n+1)+(6n -1) or (6n -1)+(6n+1) or (6n+5)+(6n -5) or (6n -5)+(6n+5)

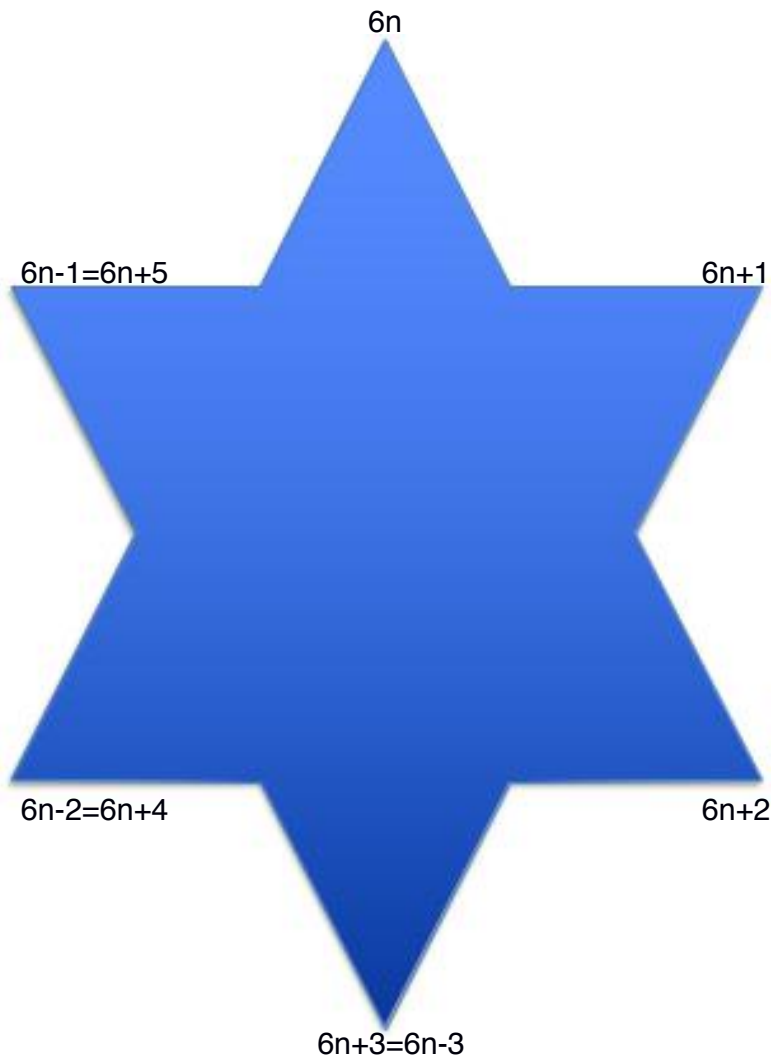2th angle (6n+2)=(6n -4) = 2, 8, 14, 20, 26, 32, 38, 44, 50, 56, 62......= (6n+1)+(6n+1) or (6n -5)+(6n -5) = 2(6n) -4 -2

4th angle (6n+4)=(6n -2)=4, 10, 16, 22, 28, 34, 40, 46, 52, 58, 64......= (6n -1)+(6n -1) or (6n+1)+(6n+3) or (6n+3)+(6n+1) or (6n+5)+(6n+5)

All even numbers are included in 0th angle, 2th angle, 4th angle.

And, all prime numbers are present in 1th angle, 5th angle.

6n

6n-1=6n+5

6n+1

6n-2=6n+4

6n+2

6n+3=6n-3

1th angle plus 5th angle are 0th angle(even number).
1th angle plus 1th angle are 2th angle(even number).
5th angle plus 5th angle are 4th angle(even number).

References

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