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EJS_P1P1P1P1P1P1_P1P1P0P1P0P1

Nbre (10-500): 30

Exponential formula
Hyperbolic formula
Trigonometric formula

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Mode Admin: Universal Atlas of Geometric Constants GCEJS Derived from Linear Recurrences

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EJS_P1P1P1P1P1P1_P1P1P0P1P0P1 has already been provided to the Universal Atlas of Geometric Linear Recurrences.

Mathematic EJS_P1P1P1P1P1P1_P1P1P0P1P0P1 sequence

```
LinearRecurrence[{1, 0, 1, 0, 1, 1}, {1, 1, 1, 1, 1, 1}, 30]
a(n) = (1)*a(n-6) + (1)*a(n-5) + (0)*a(n-4) + (1)*a(n-3) + (0)*a(n-2) + (1)*a(n-1)
Initial Terms: a(0) = 1, a(1) = 1, a(2) = 1, a(3) = 1, a(4) = 1, a(5) = 1
```

$$EJS\_P1P1P1P1P1P1\_P1P1P0P1P0P1(n) = a(n) = -\frac{9\cdot 2^n}{12\left(1+\sqrt{3}i\right)^n+12\sqrt{3}i\left(1+\sqrt{3}i\right)^n}+\frac{3\cdot 2^n\sqrt{3}i}{12\left(1+\sqrt{3}i\right)^n+12\sqrt{3}i\left(1+\sqrt{3}i\right)^n}-\frac{9\cdot 2^n}{12\left(1-\sqrt{3}i\right)^n-12\sqrt{3}i\left(1-\sqrt{3}i\right)^n}-\frac{3\cdot 2^n\sqrt{3}i}{12\left(1-\sqrt{3}i\right)^n-12\sqrt{3}i\left(1-\sqrt{3}i\right)^n}-\frac{21\cdot 2^n}{-40\left(-1+\sqrt{5}\right)^n+16\sqrt{5}\left(-1+\sqrt{5}\right)^n}+\frac{9\cdot 2^n\sqrt{5}}{-40\left(-1+\sqrt{5}\right)^n+16\sqrt{5}\left(-1+\sqrt{5}\right)^n}+\frac{\sqrt{3}i\left(\frac{1}{-\frac{1}{2}-\frac{\sqrt{3}i}{2}}\right)^n}{-12-4\sqrt{3}i}-\frac{3\left(\frac{1}{-\frac{1}{2}-\frac{\sqrt{3}i}{2}}\right)^n}{-12-4\sqrt{3}i}-\frac{\sqrt{3}i\left(\frac{1}{-\frac{1}{2}+\frac{\sqrt{3}i}{2}}\right)^n}{-12+4\sqrt{3}i}-\frac{3\left(\frac{1}{-\frac{1}{2}+\frac{\sqrt{3}i}{2}}\right)^n}{-12+4\sqrt{3}i}-\frac{9\sqrt{5}\left(\frac{1}{-\frac{\sqrt{5}}{2}-\frac{1}{2}}\right)^n}{-40-16\sqrt{5}}-\frac{21\left(\frac{1}{-\frac{\sqrt{5}}{2}-\frac{1}{2}}\right)^n}{-40-16\sqrt{5}}$$

```
1,  1,  1,  1,  1,  1,  4,  7,  10,  16,  25,  40,  67,  109,  175,  283,  457,  739,  1198,  1939,  3136,  5074,  8209,  13282,  21493,  34777,  56269,  91045,  147313,  238357,  385672

 a(0) = 1
 a(1) = 1
 a(2) = 1
 a(3) = 1
 a(4) = 1
 a(5) = 1
 a(6) = 4
 a(7) = 7
 a(8) = 10
 a(9) = 16
 a(10) = 25
 a(11) = 40
 a(12) = 67
 a(13) = 109
```

Sequence [1, 1, 1, 1, 1, 1, 4, 7, 10, 16, 25, 40, 67, 109, 175, 283, 457, 739, 1198, 1939, 3136, 5074, 8209, 13282, 21493, 34777, 56269, 91045, 147313, 238357, 385672]:
OEIS

This sequence provides no significant data for the Universal Atlas of Geometric Constants GCEJS Derived from Linear Recurrences.

$$EJS\_P1P1P1P1P1P1\_P1P1P0P1P0P1_{GF}(x) = \frac{2x^5+x^4+x^3-1}{x^6+x^5+x^3+x-1}$$

Navigation in a quantum univers 2D/3D of variants; more details on Wiki (EJS Fibovar Theory)