

Nbre (10-500): 30

- Exponential formula ▲
- Hyperbolic formula
- Trigonometric formula ▼

DEBUG: False ▼

CALCSYM: True ▼

ADDCTES: False ▼

[Mode Admin: Universal Atlas of Geometric Constants GCEJS Derived from Linear Recurrences](#)

EJS_P1P1P2P3P5_P2P3N1P0P1 has already been provided to the Universal Atlas of Geometric Linear Recurrences.

This sequence EJS_P1P1P2P3P5_P2P3N1P0P1 is in reality the sequence EJS_P1P1_P1P1.

You can use the homogeneous linear recurrence reduction rules to identify it. This can be easily verified by examining the values of the sequence.

The EJS_P1P1P2P3P5_P2P3N1P0P1 formula will be further reduced using the original formula of the recurrence EJS_P1P1_P1P1.

Mathematic EJS_P1P1P2P3P5_P2P3N1P0P1 sequence

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

$$EJS_P1P1P2P3P5_P2P3N1P0P1(n) = a(n) = -\frac{3 \cdot 2^n \sqrt{5}}{-9\sqrt{5}(-1+\sqrt{5})^n + 15(-1+\sqrt{5})^n} + \frac{3 \cdot 2^n}{-9\sqrt{5}(-1+\sqrt{5})^n + 15(-1+\sqrt{5})^n} + \frac{3\left(\frac{1-\frac{1}{\sqrt{5}}}{2}\right)^n}{15+9\sqrt{5}} + \frac{3\sqrt{5}\left(\frac{1-\frac{1}{\sqrt{5}}}{2}\right)^n}{15+9\sqrt{5}}$$

1, 1, 2, 3, 5, 8, 13, 21, 34, 55, 89, 144, 233, 377, 610, 987, 1597, 2584, 4181, 6765, 10946, 17711, 28657, 46368, 75025, 121393, 196418, 317811, 514229, 832040, 1346269

```
a(0) = 1
a(1) = 1
a(2) = 2
a(3) = 3
a(4) = 5
a(5) = 8
a(6) = 13
a(7) = 21
a(8) = 34
a(9) = 55
a(10) = 89
a(11) = 144
a(12) = 233
a(13) = 377
```

Sequence [1, 1, 2, 3, 5, 8, 13, 21, 34, 55, 89, 144, 233, 377, 610, 987, 1597, 2584, 4181, 6765, 10946, 17711, 28657, 46368, 75025, 121393, 196418, 317811, 514229, 832040, 1346269]:


[OEIS](#)

This sequence need an exact formula to provides significant data for the Universal Atlas of Geometric Constants GCEJS Derived from Linear Recurrences.

$$EJS_P1P1P2P3P5_P2P3N1P0P1_{GF}(x) = \frac{-2x^3 - x^2 - 1}{2x^5 + 3x^4 - x^3 + x - 1}$$

[Navigation in a quantum unvers 2D/3D of variants; more details on Wiki \(EJS Fibovar Theory\)](#)

- Antihora rotation
- Shift in x
- Shift in y
- Zoom:
- Quantum matter
- Matter formation from vaccu
m
- Resolution level



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Show 3D navigation in EJS_P1P1P2P3P5_P2P3N1P0P1

