REPORTE DE EJECUCIÓN
ALGORITMO GENÉTICO EN ESPACIO 2D Y 3D
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MÉTODOS UTILIZADOS:

> Aptitud 3D: DE_JONG_1
> Codificación: BINARIO_2D
> Selección: BOLTZMANN
> Cruza: UN_PUNTO
> Mutación: UN_BIT
> Generaciones: 20

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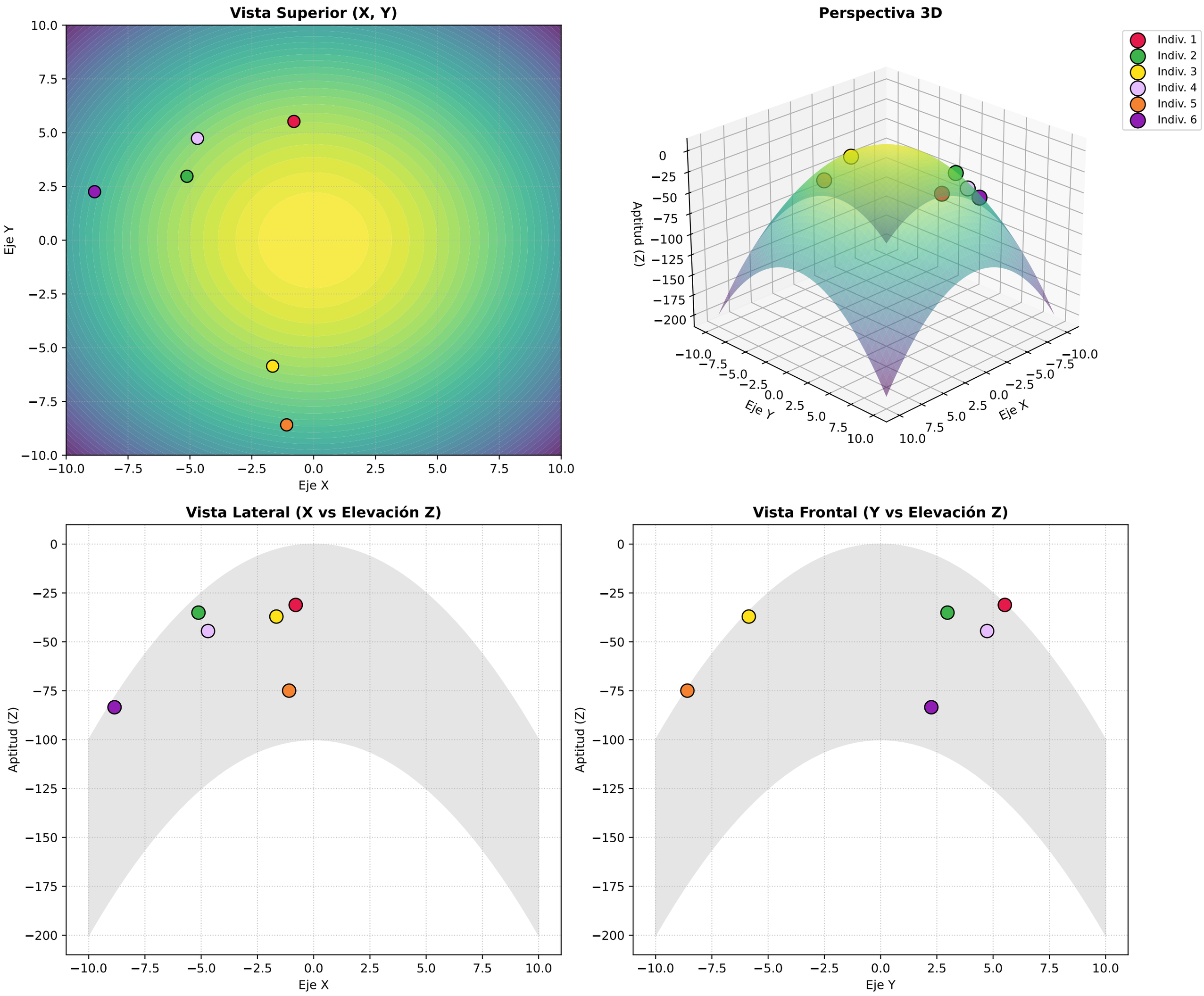
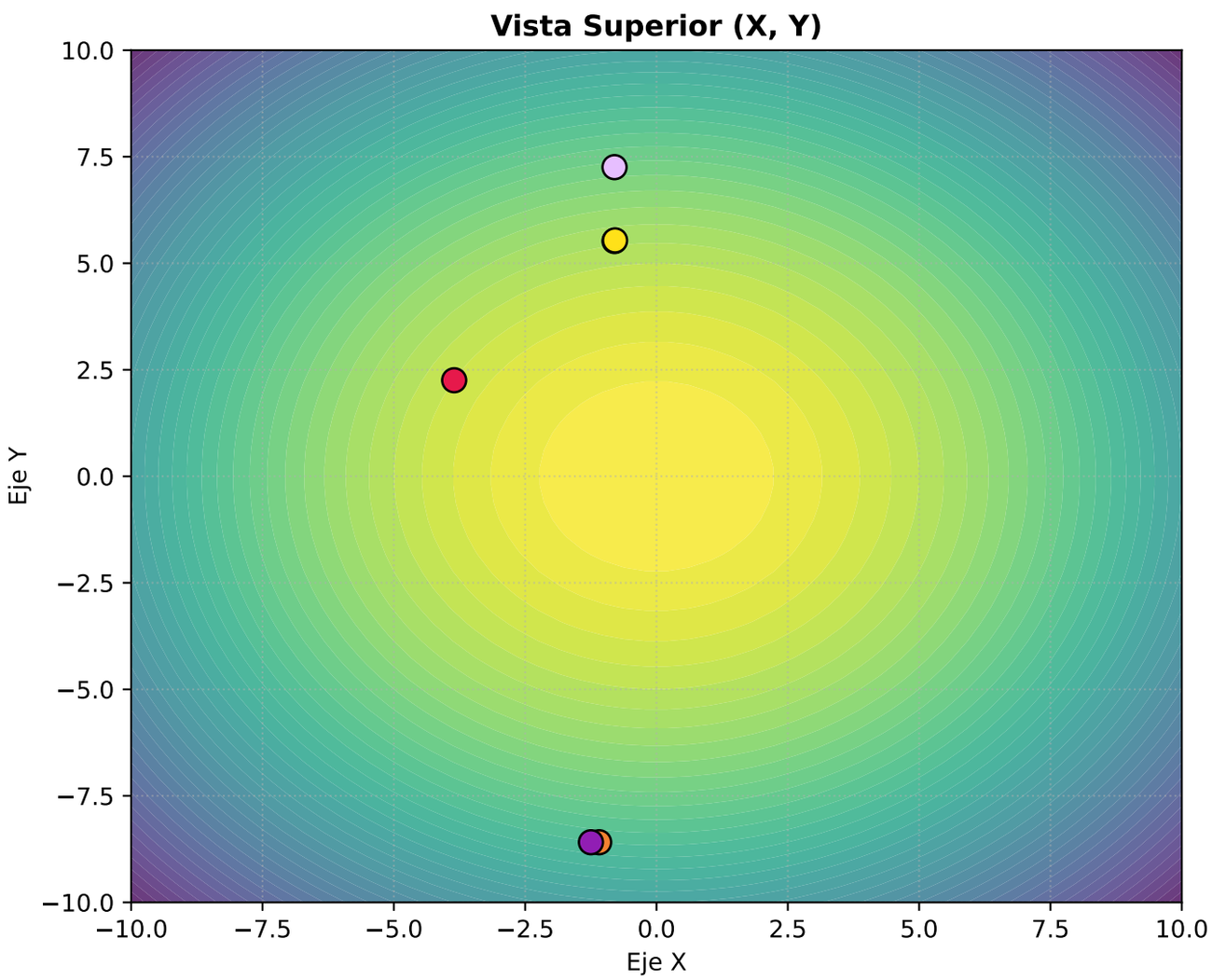
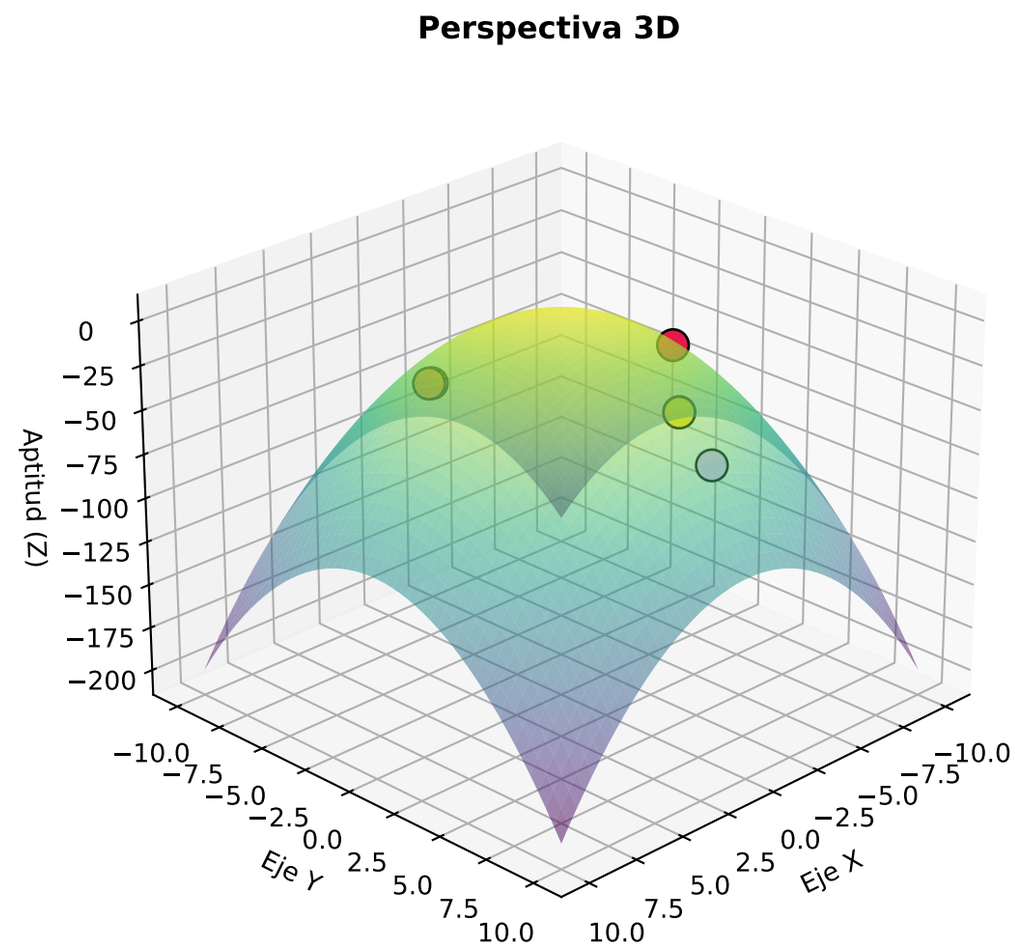
Centro de Investigaciones en Óptica

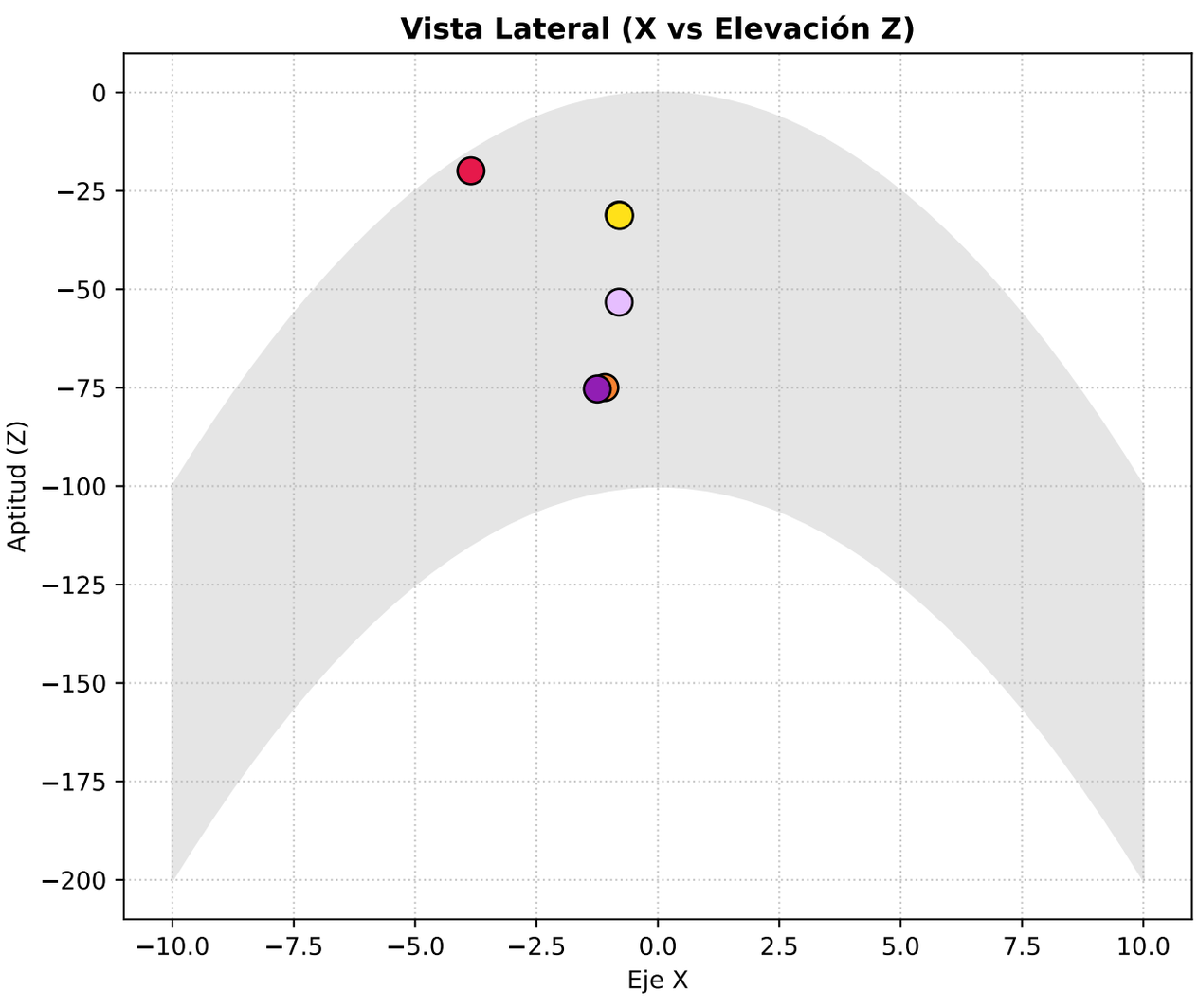
Generación 1: Posición Inicial de los 6 Mejores

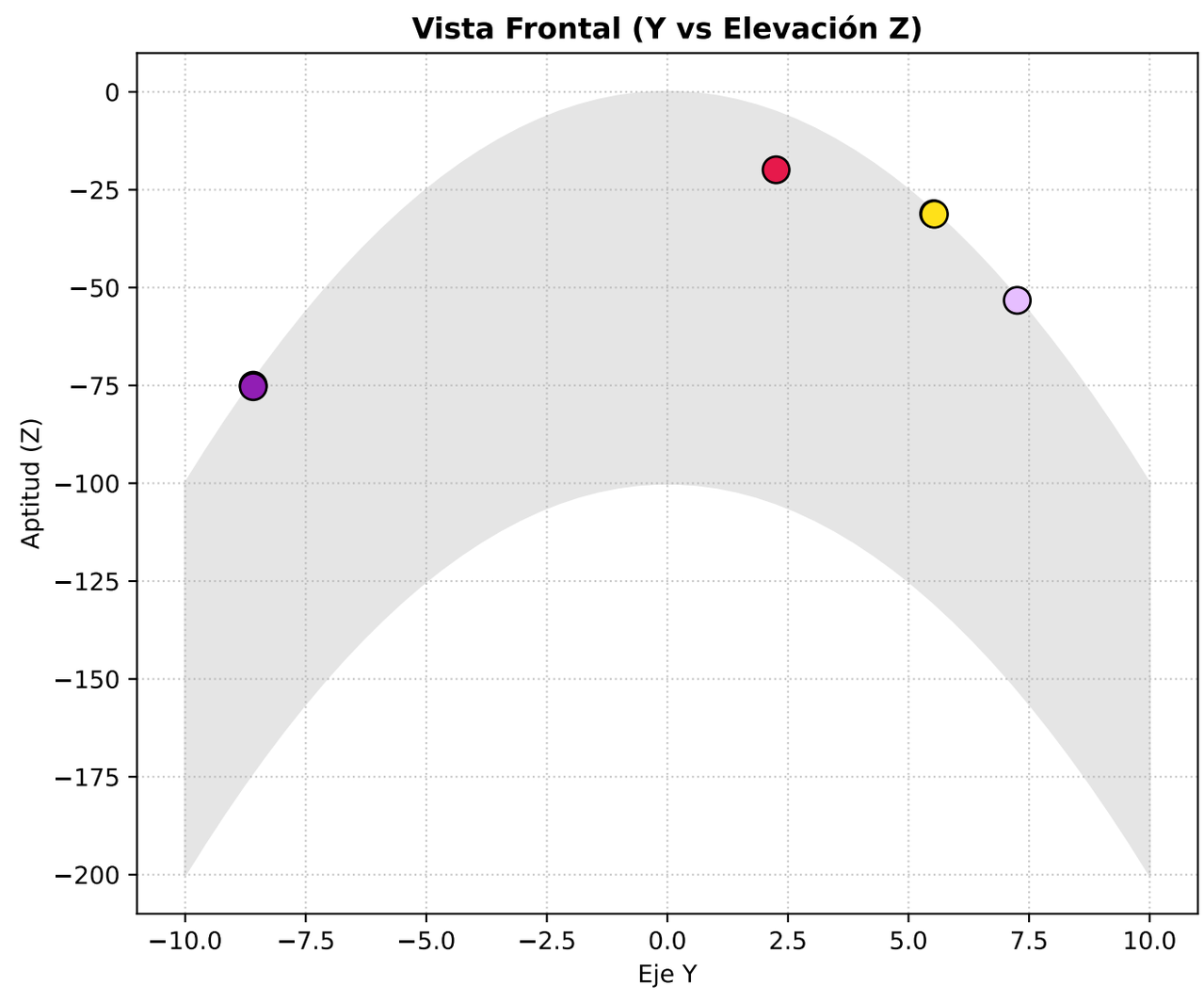


Progreso: Generación 2

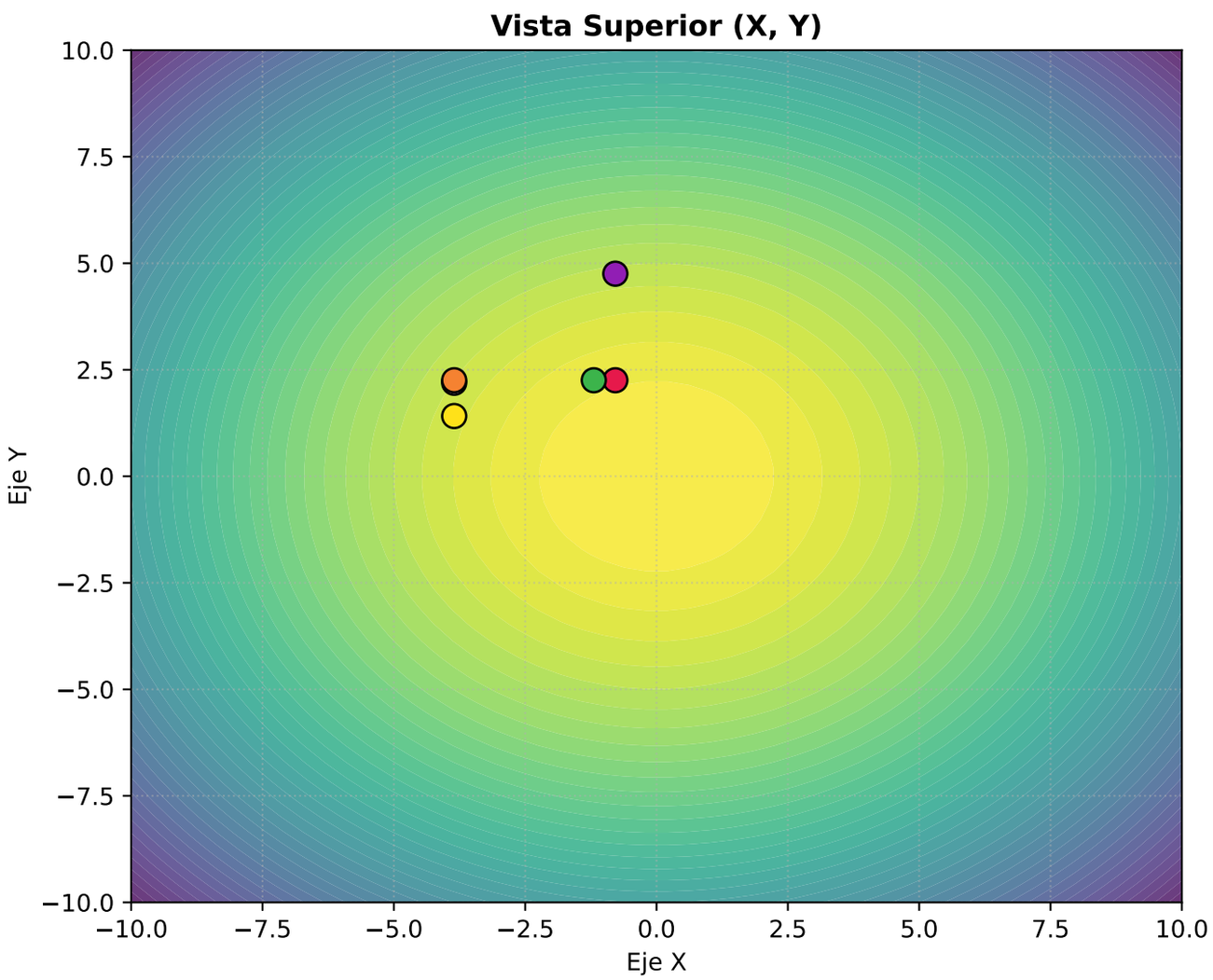


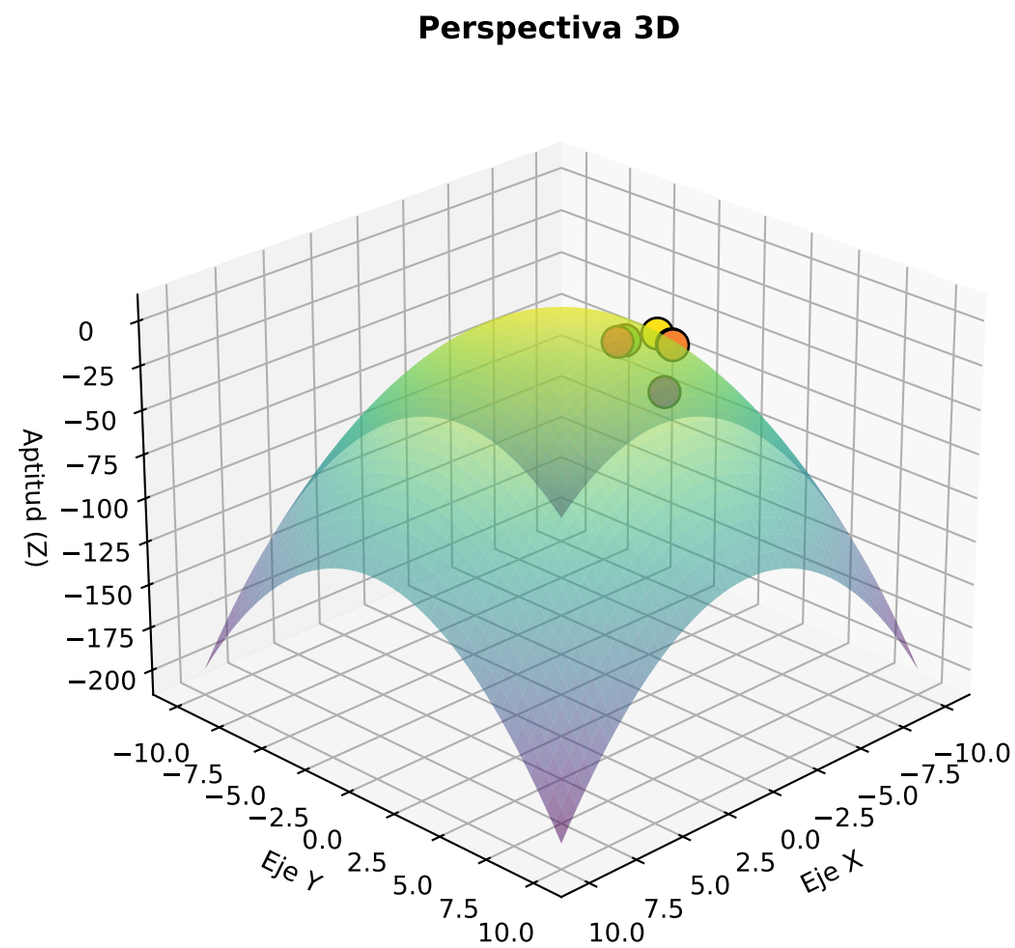


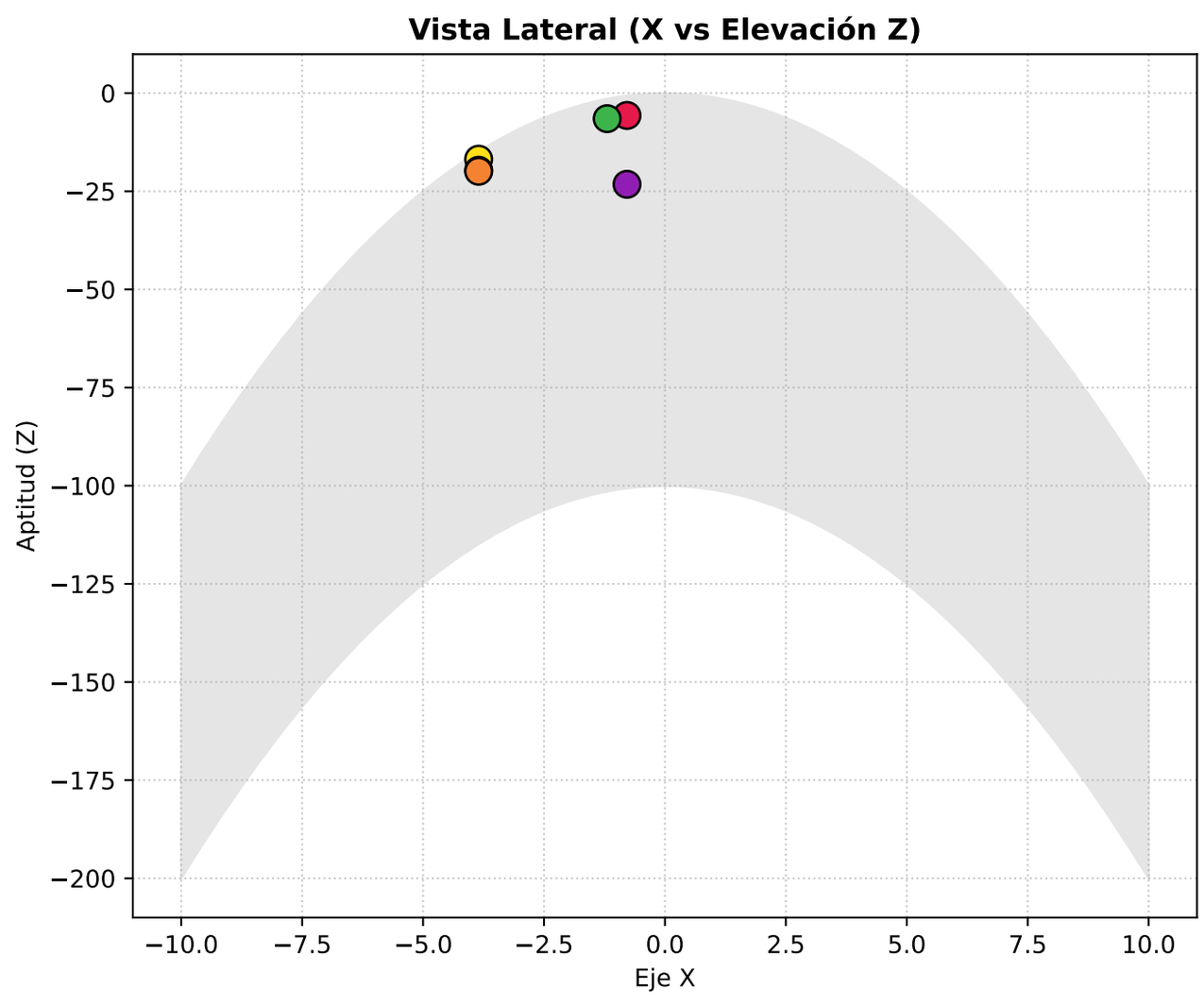


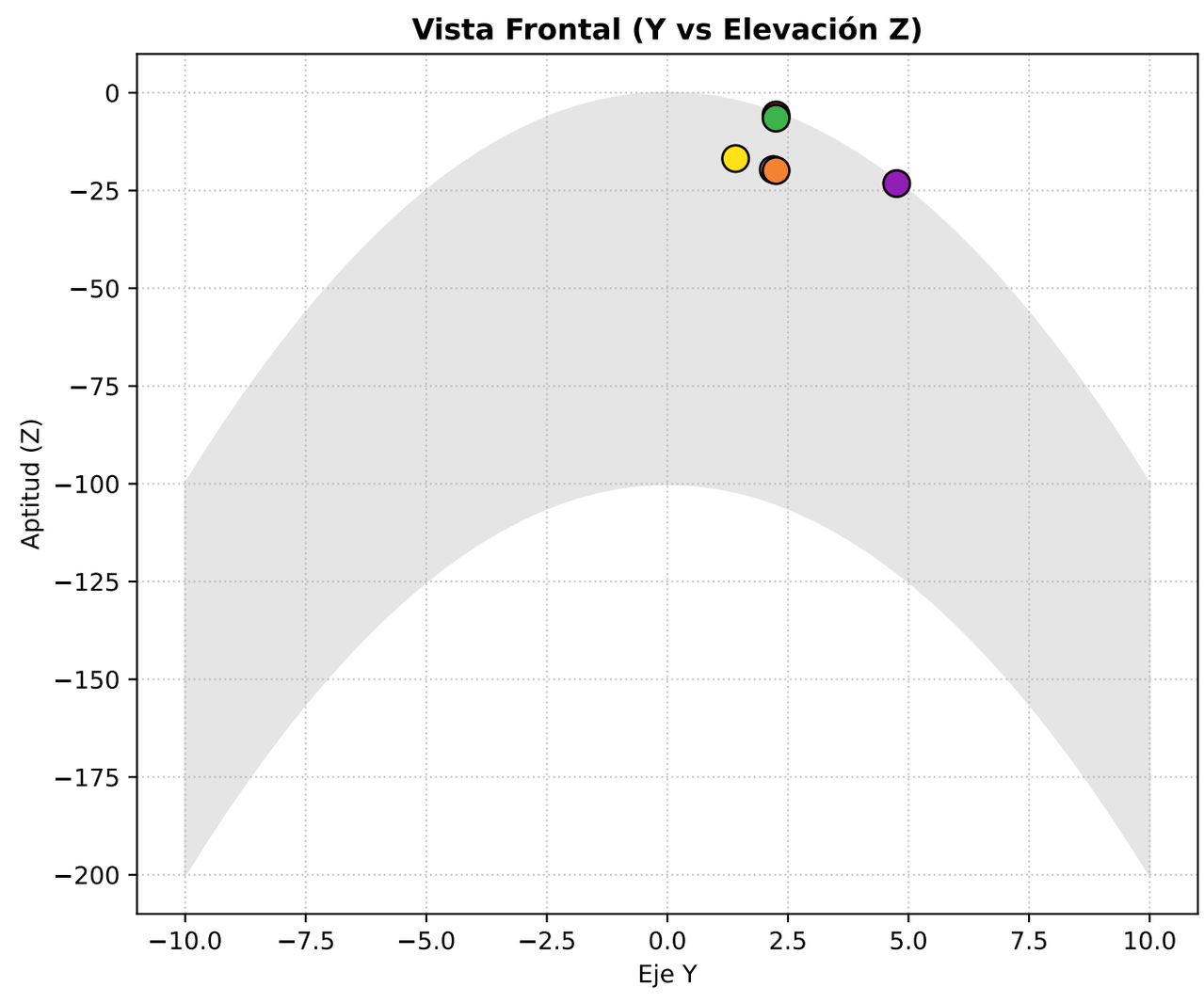


Progreso: Generación 4

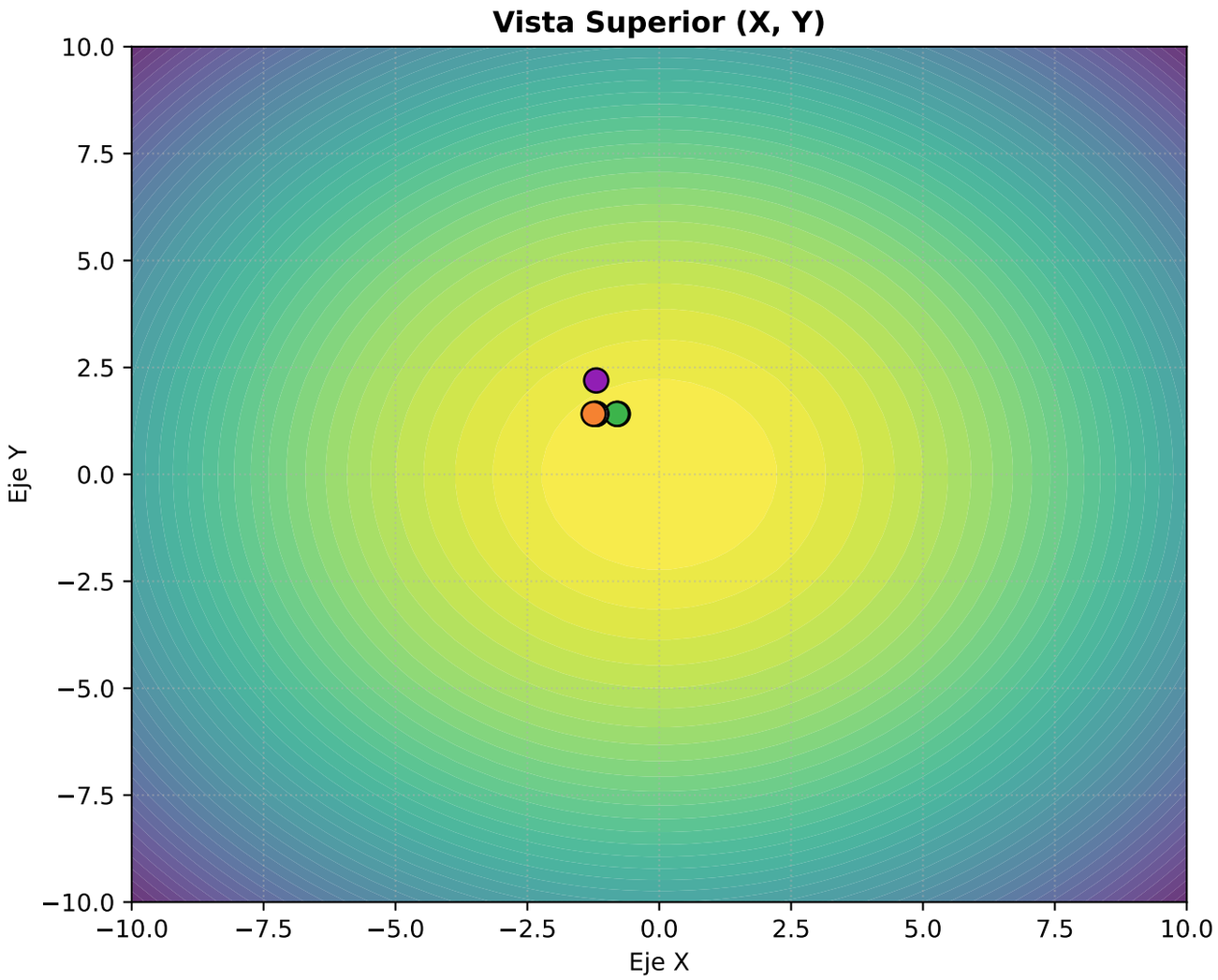


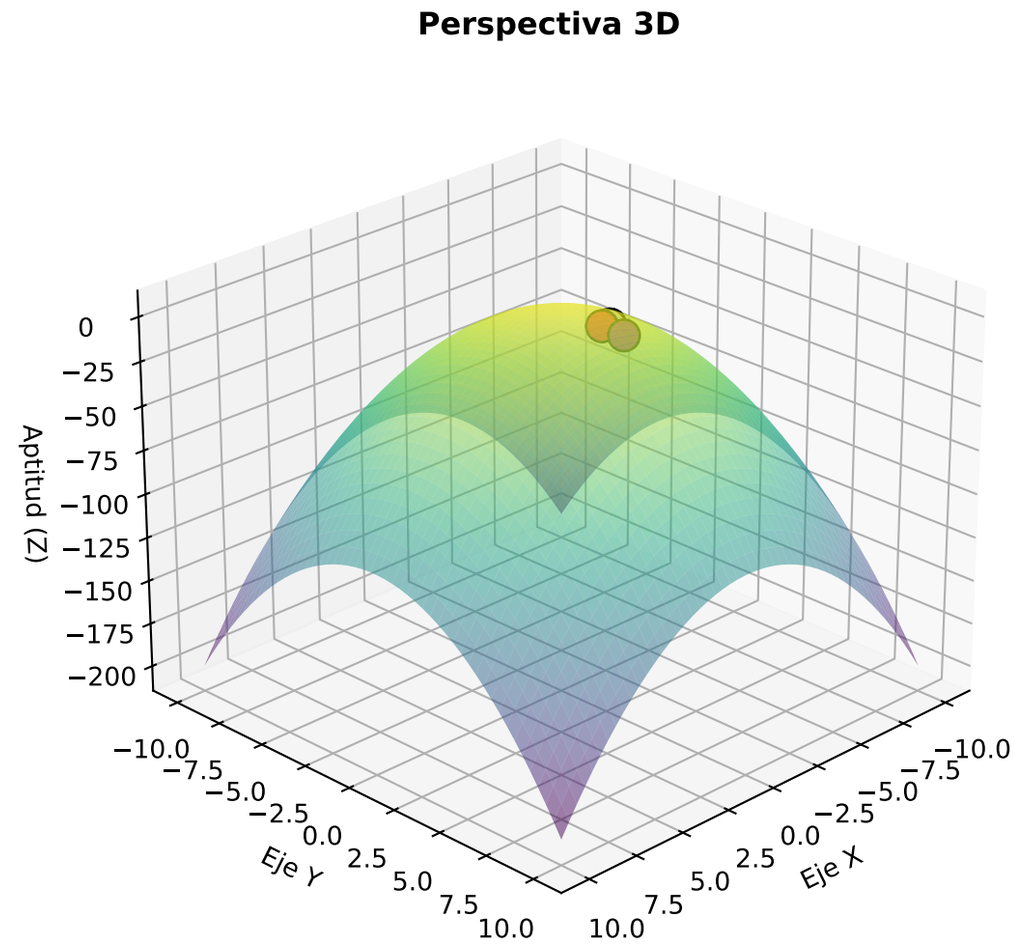


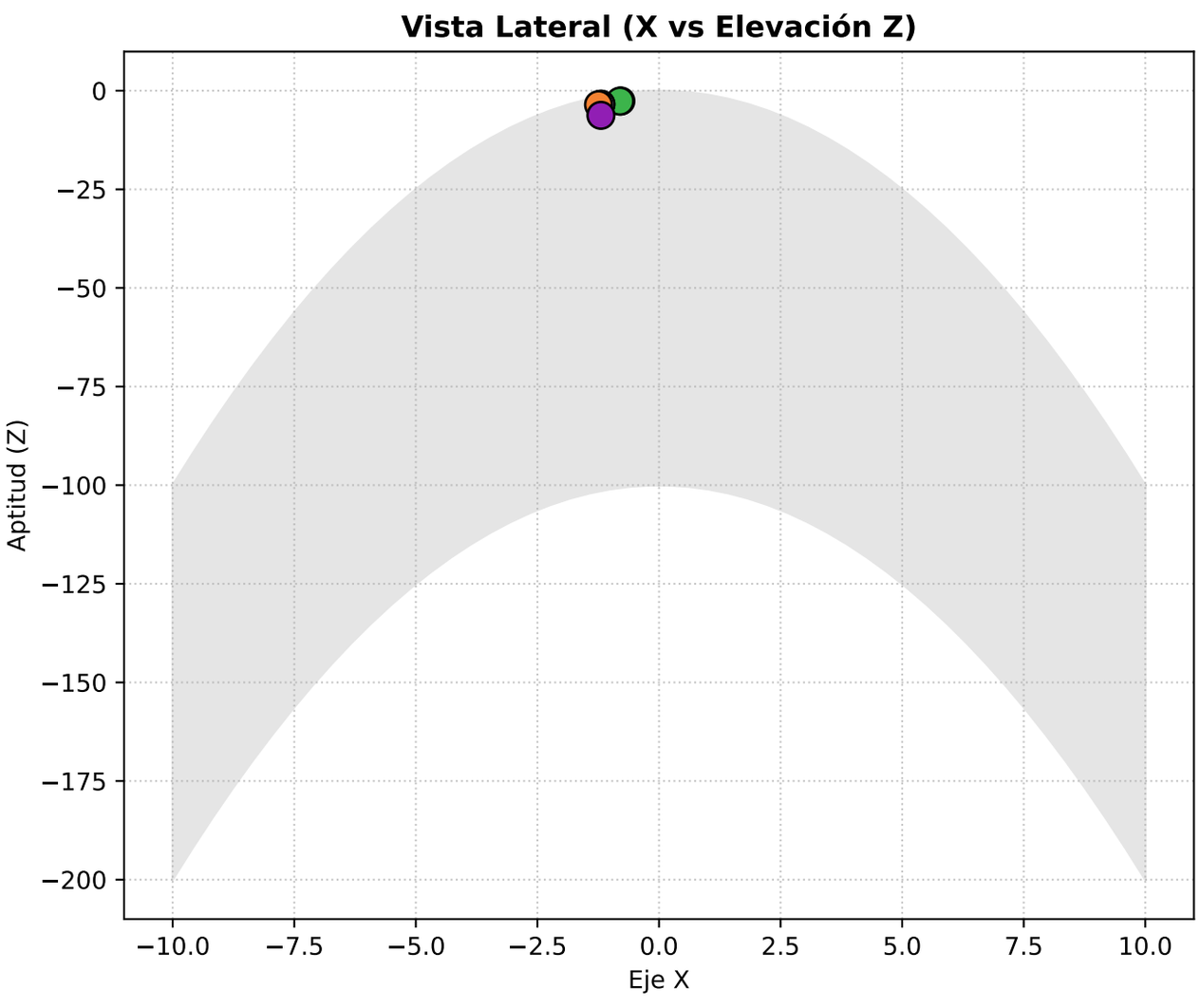


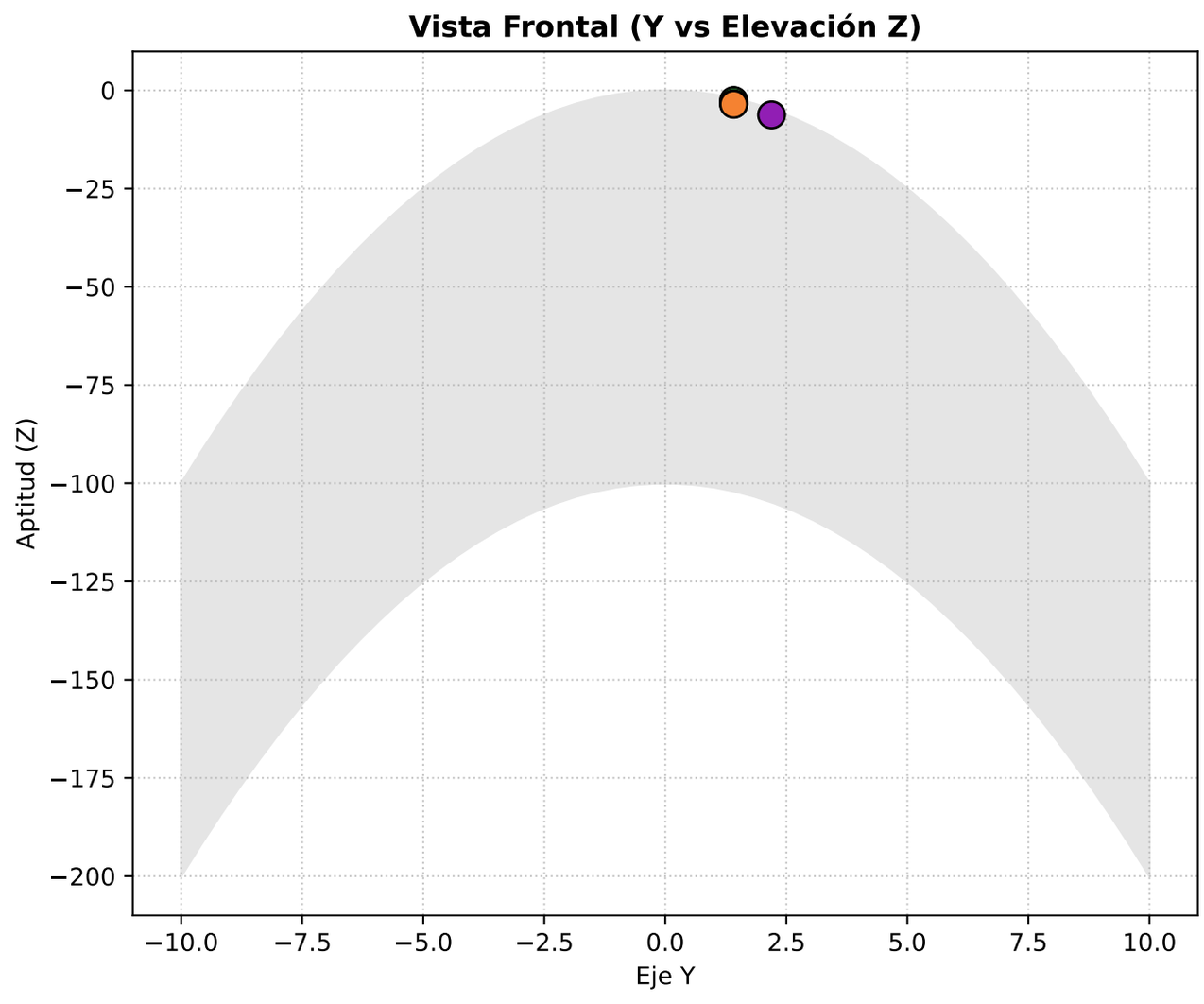


Progreso: Generación 6

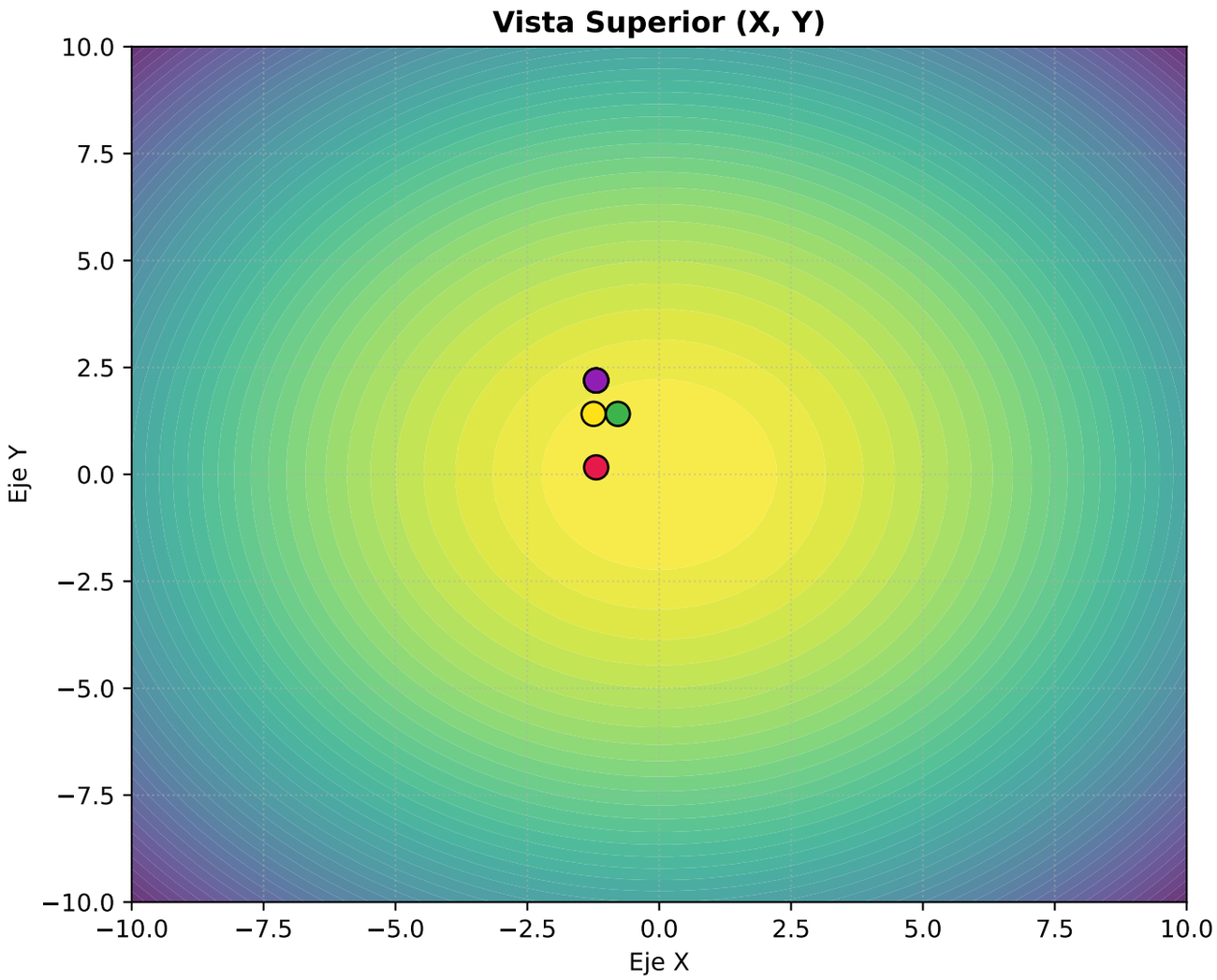


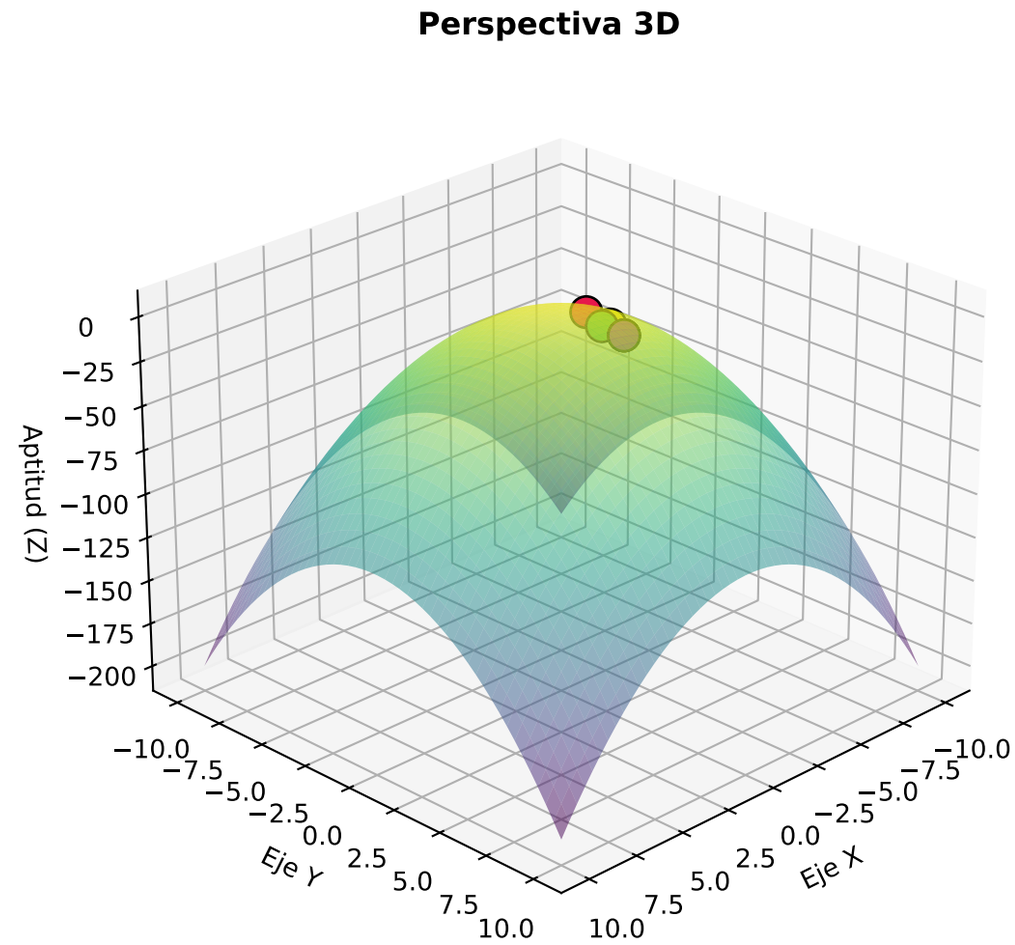


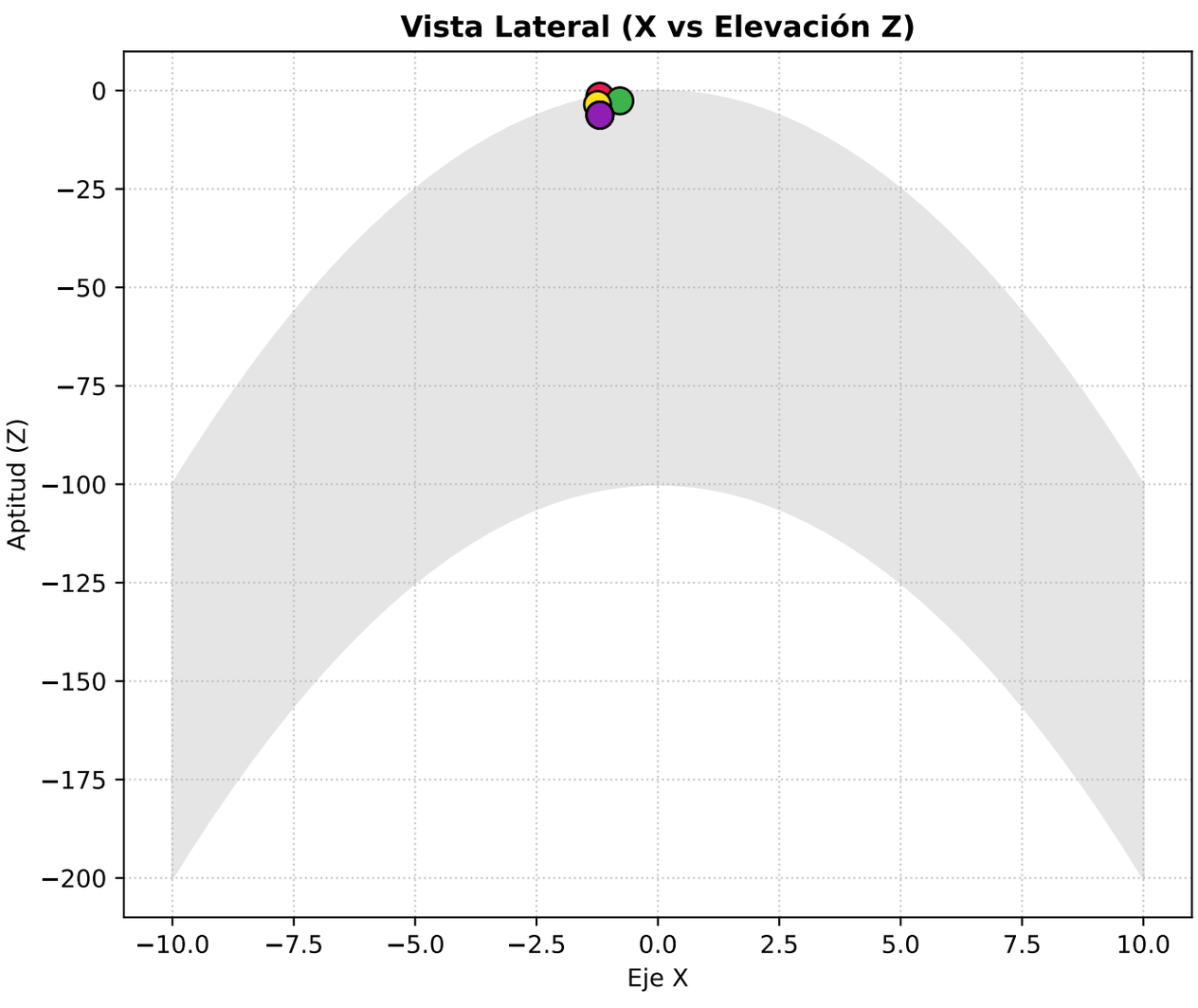


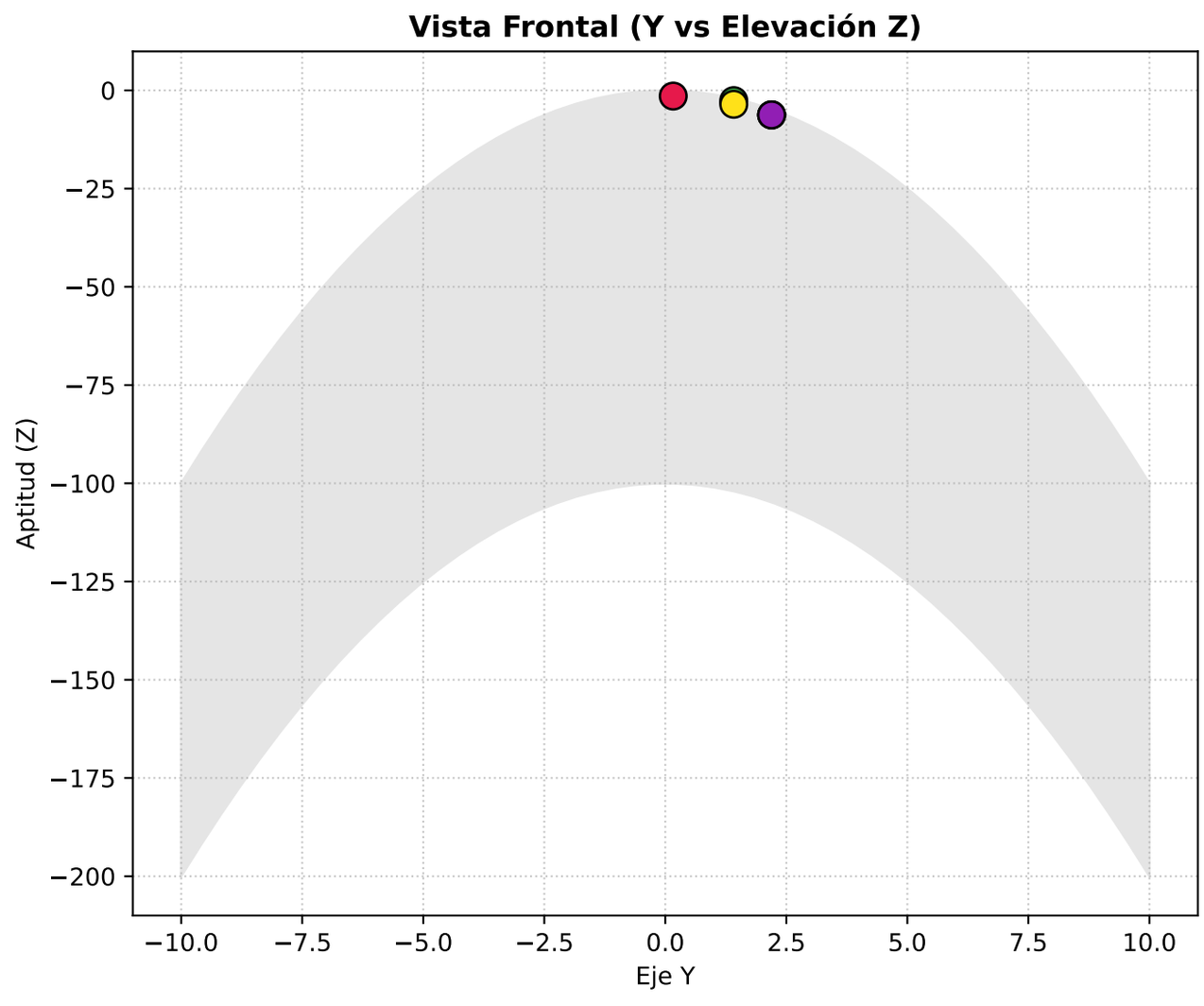


Progreso: Generación 8

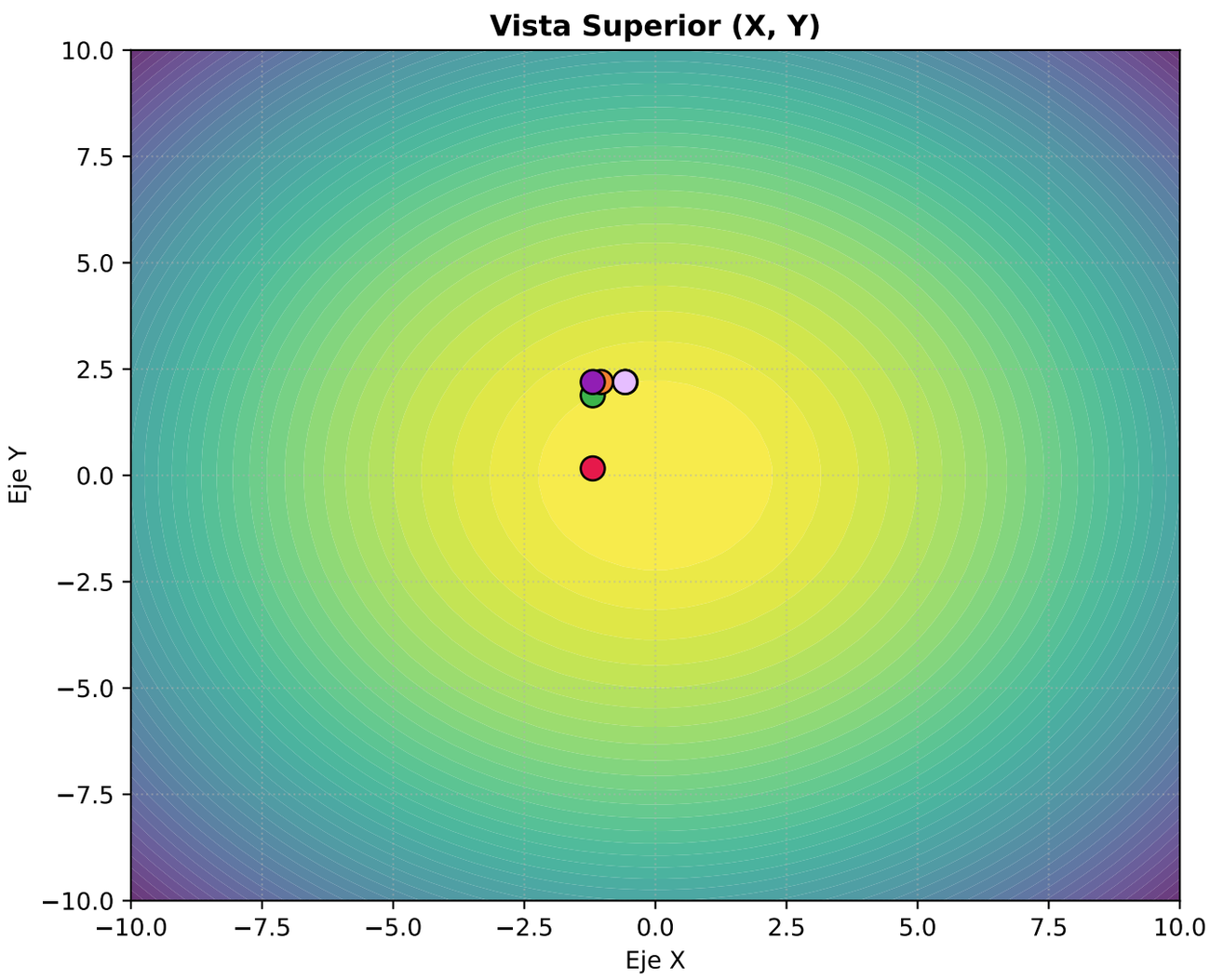


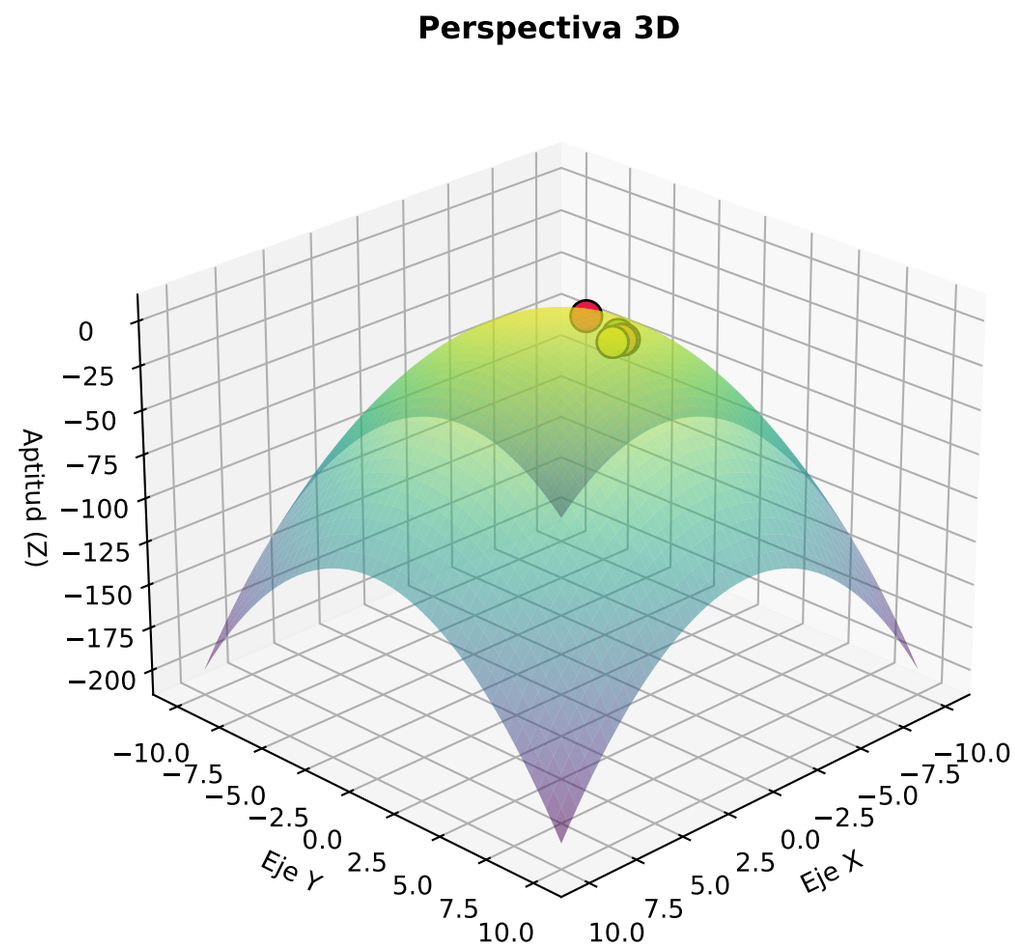


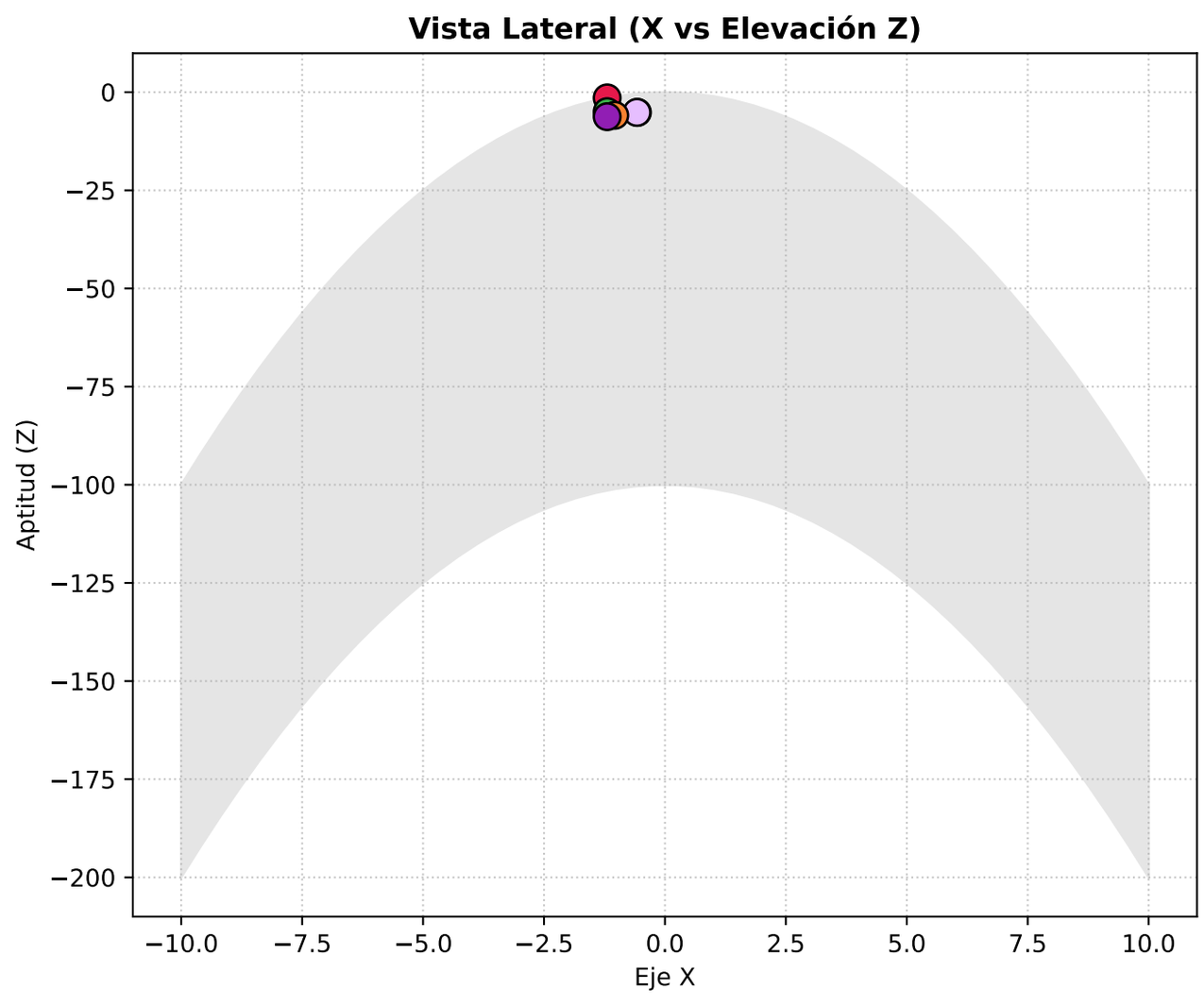


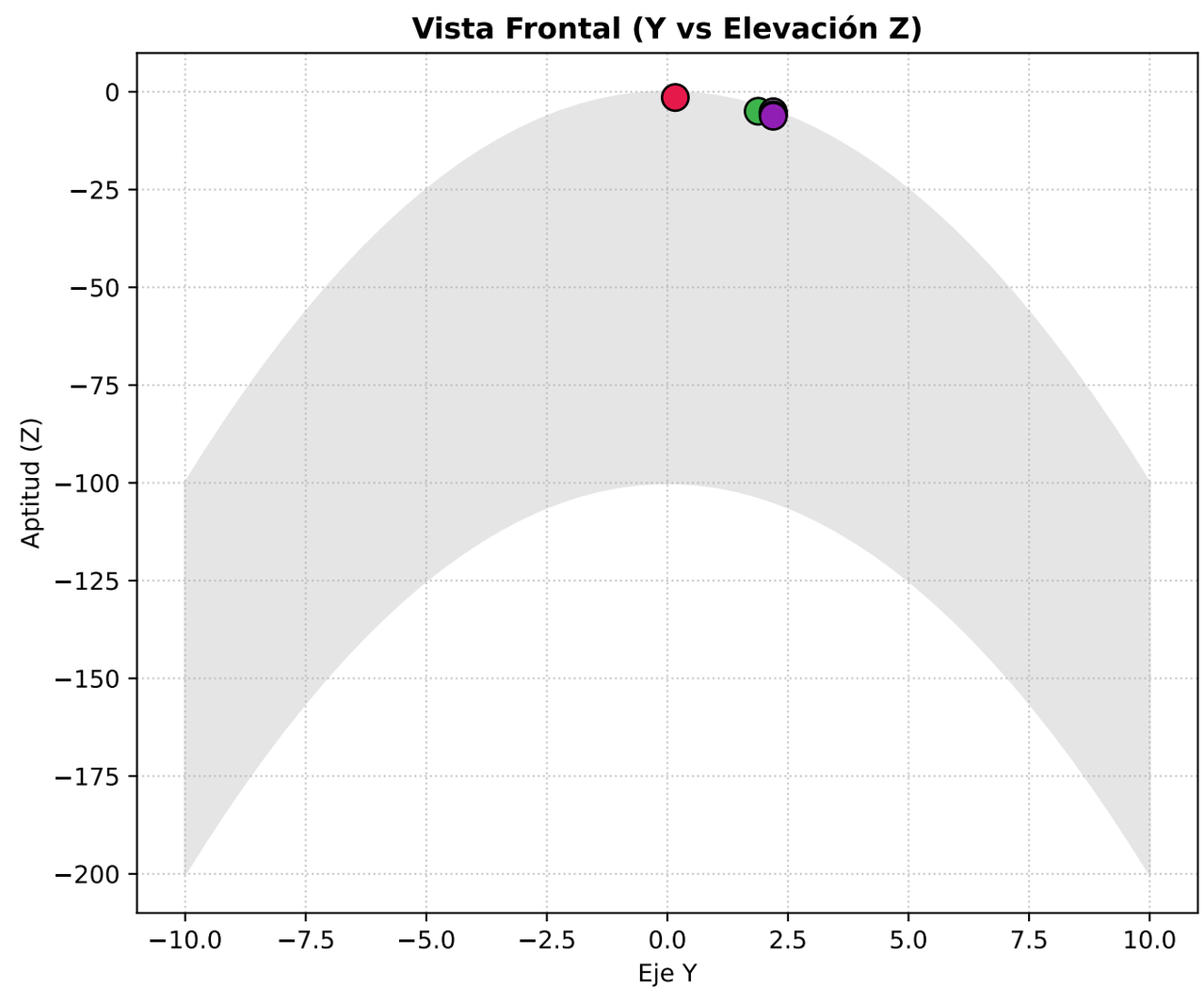


Progreso: Generación 10

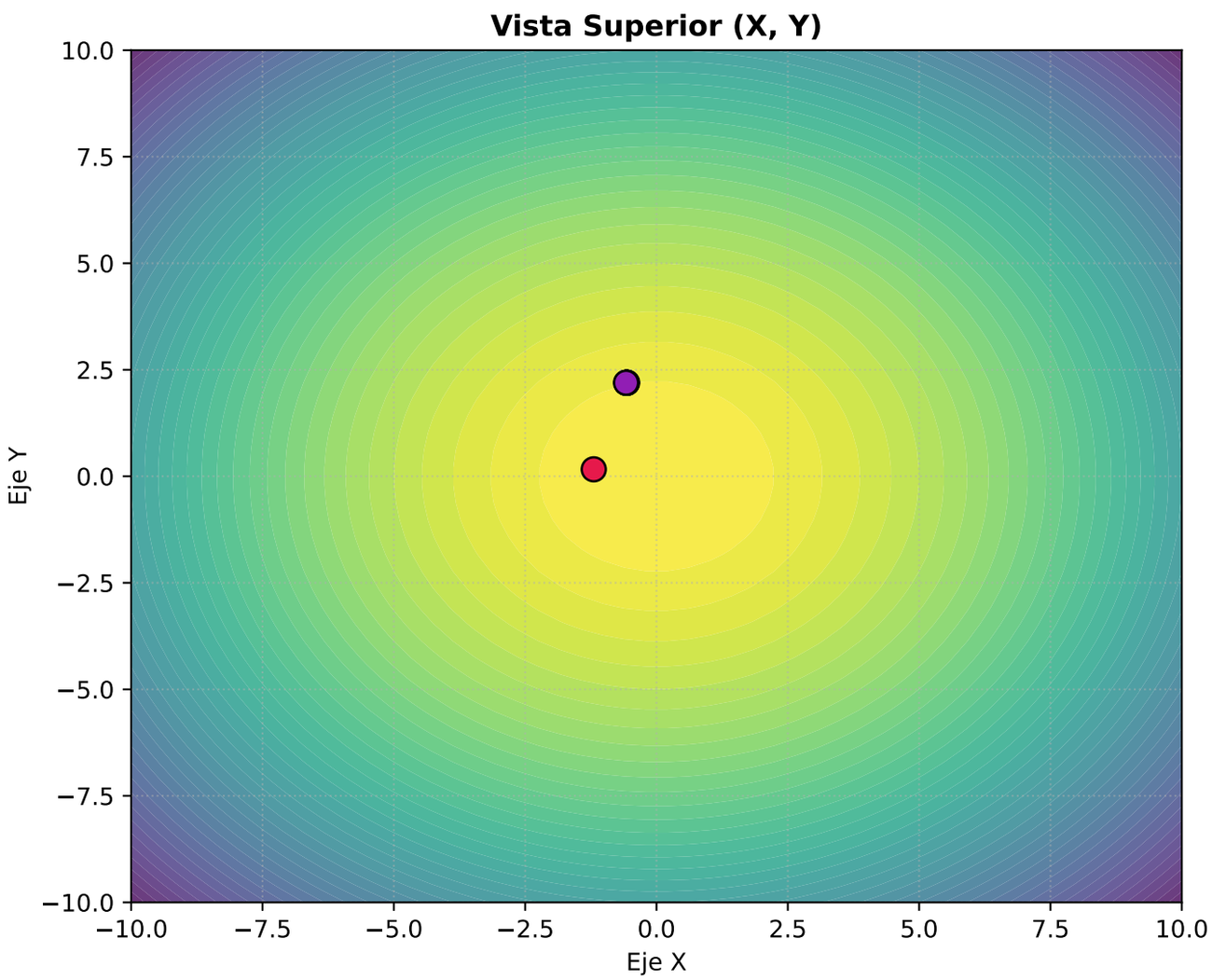


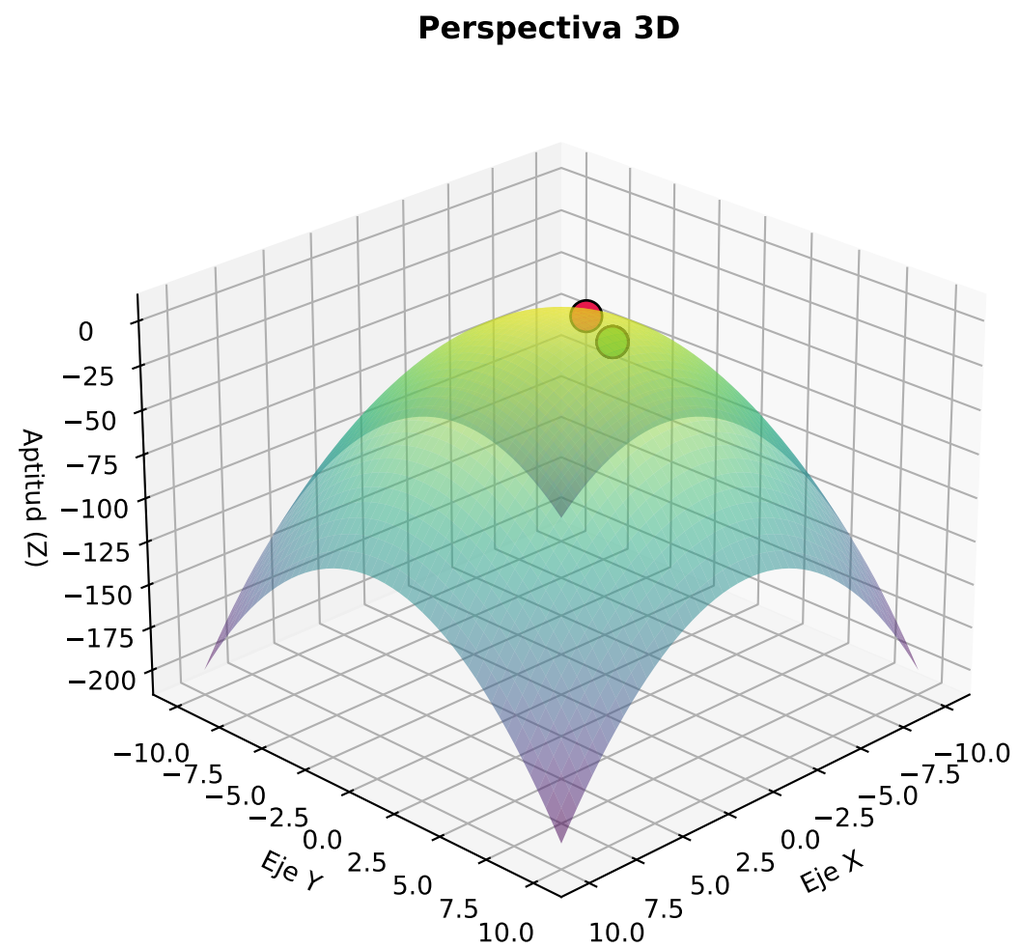


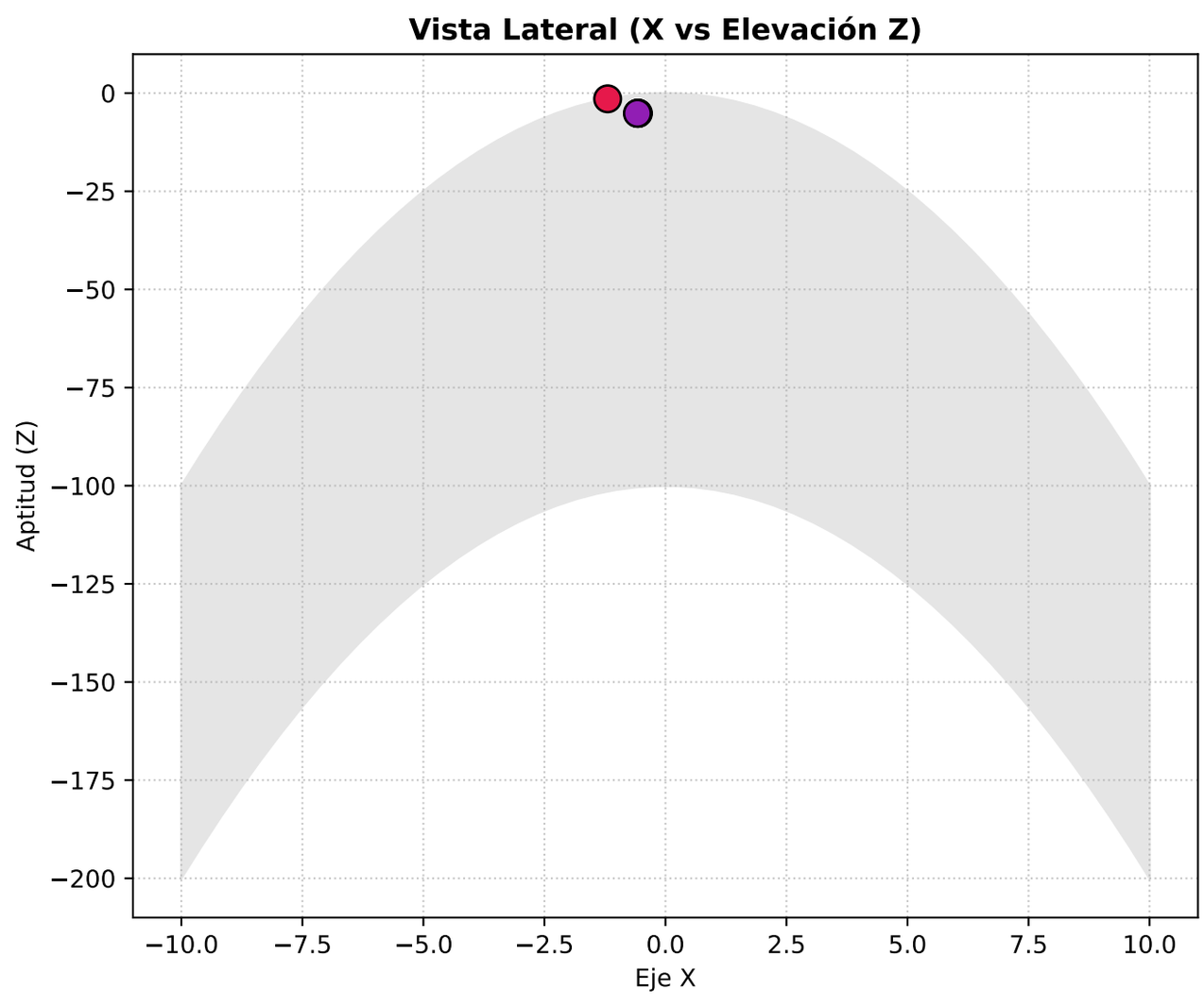


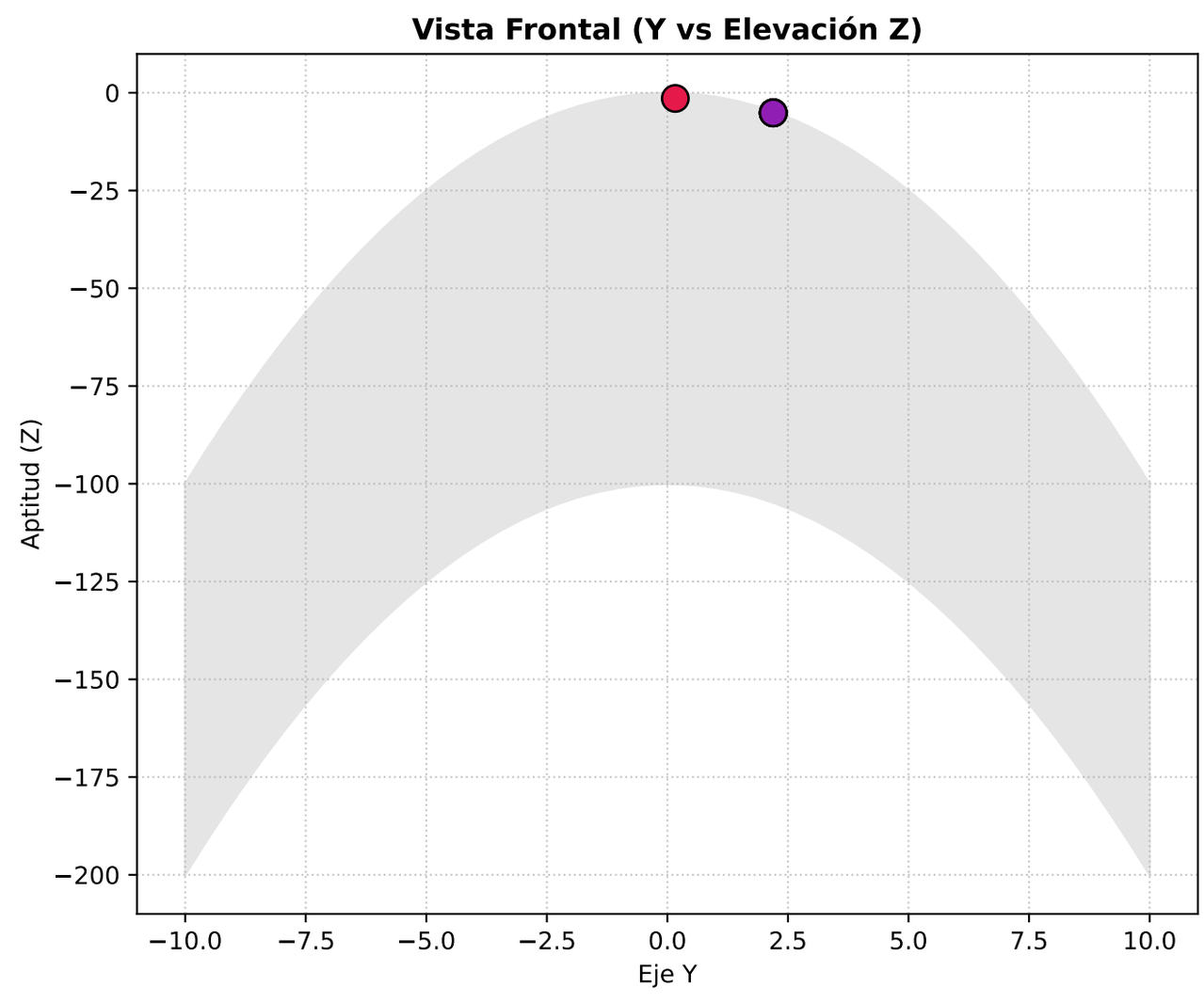


Progreso: Generación 12

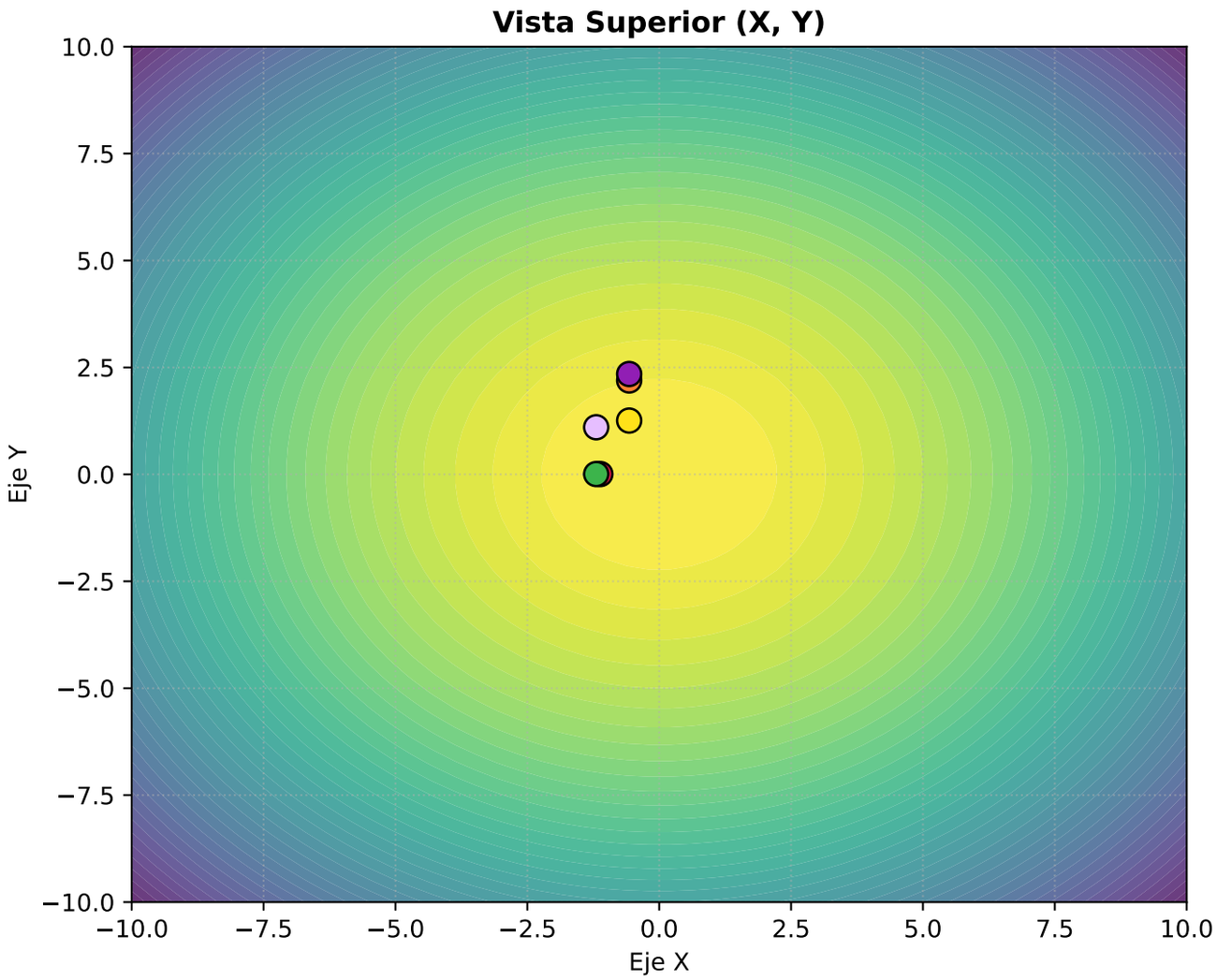


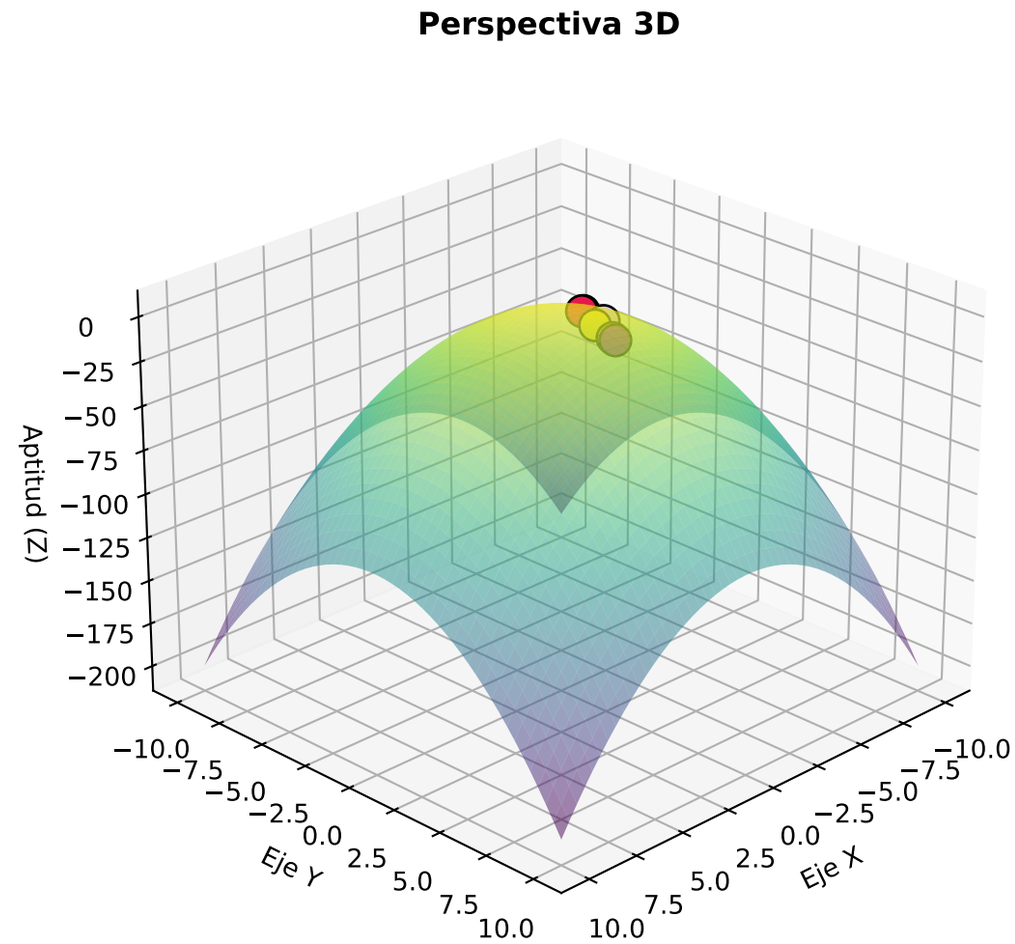


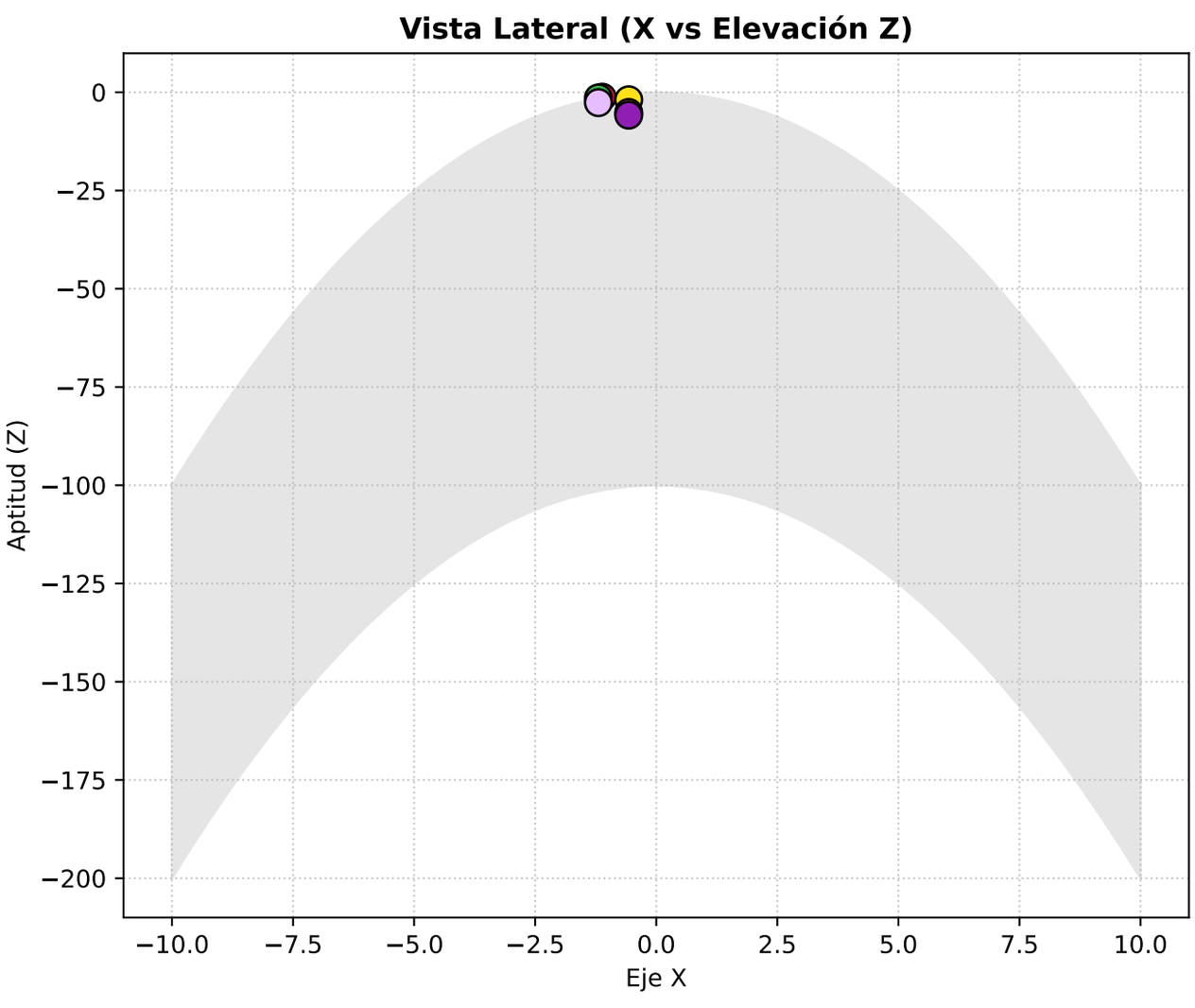


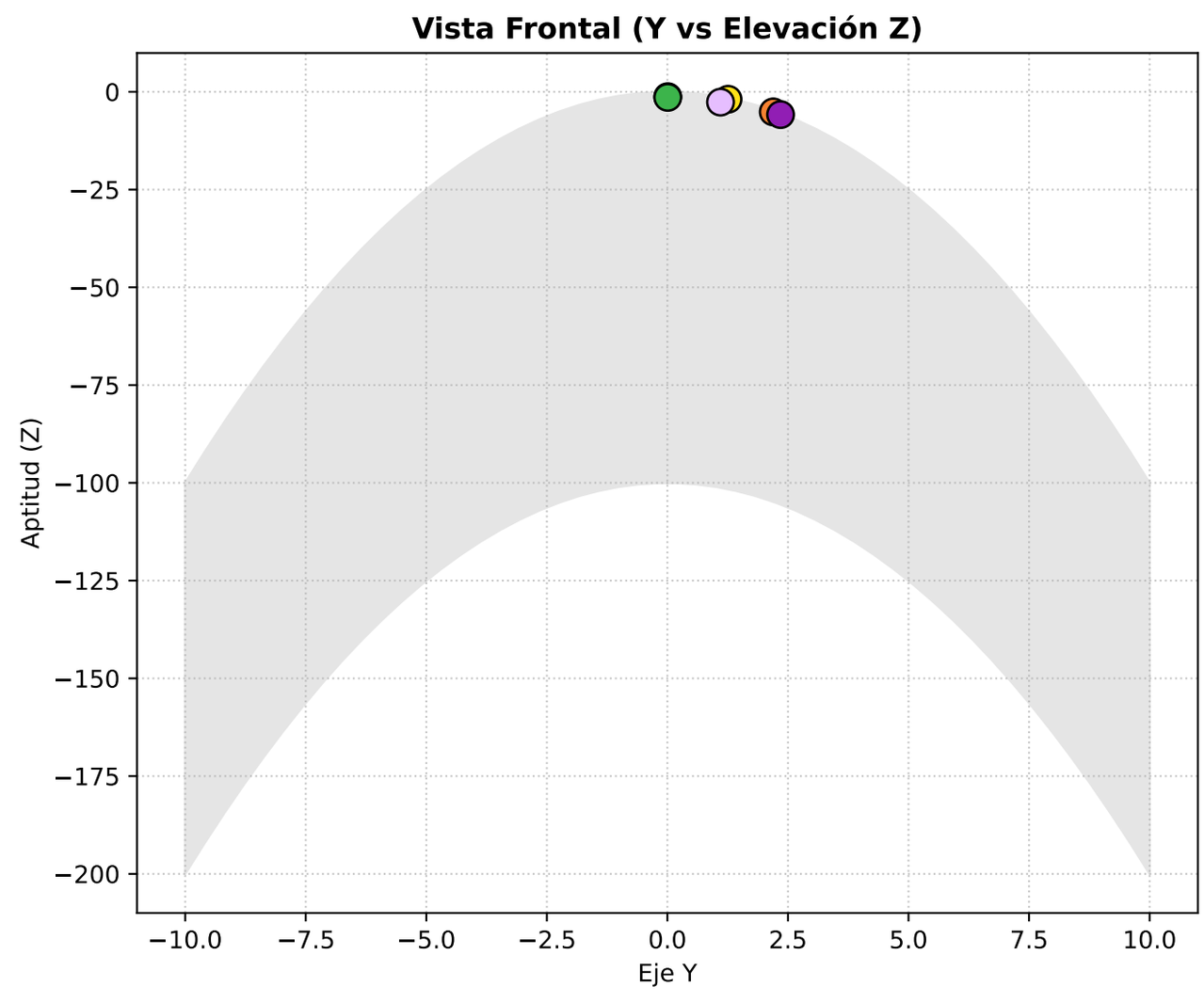


Progreso: Generación 14

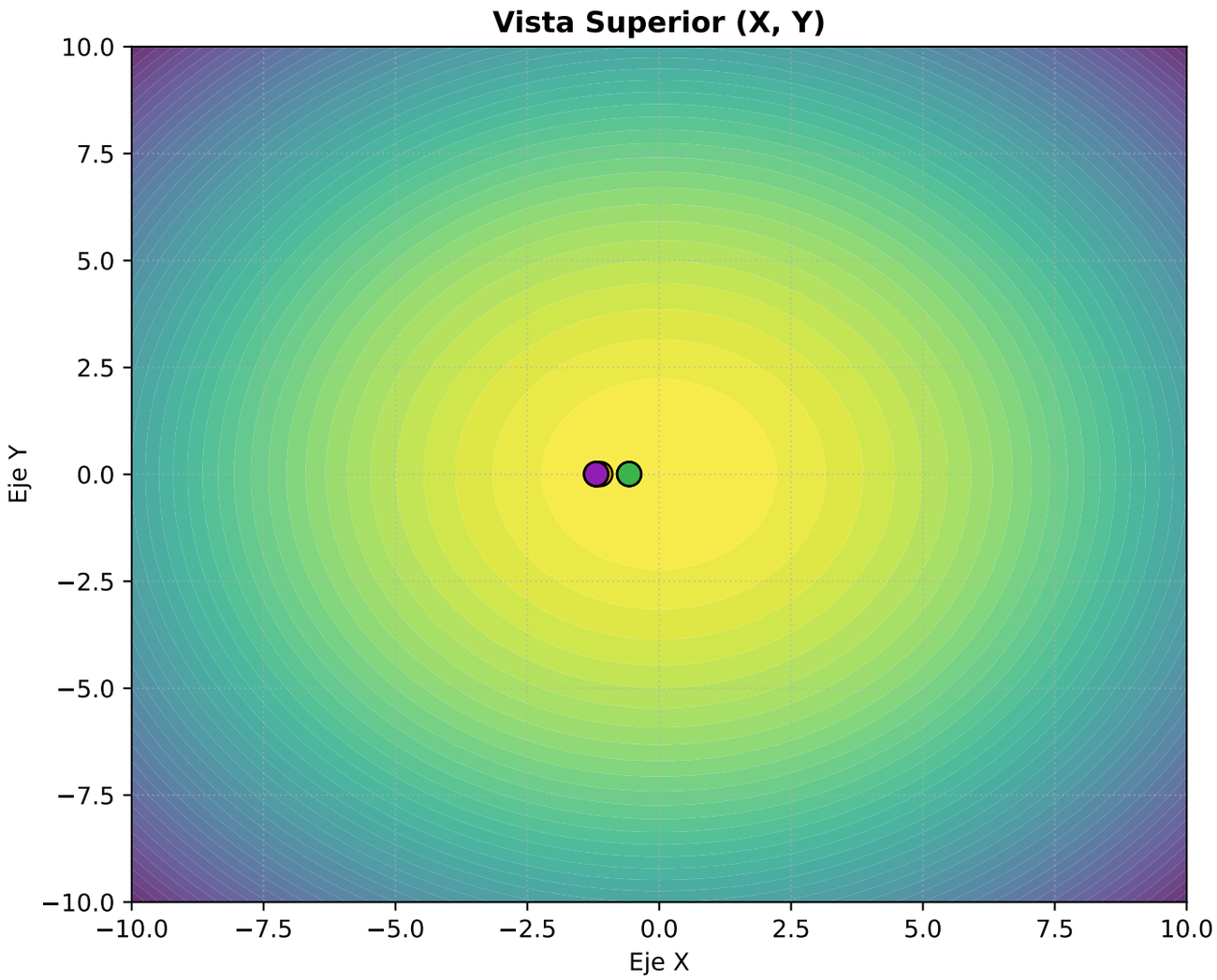


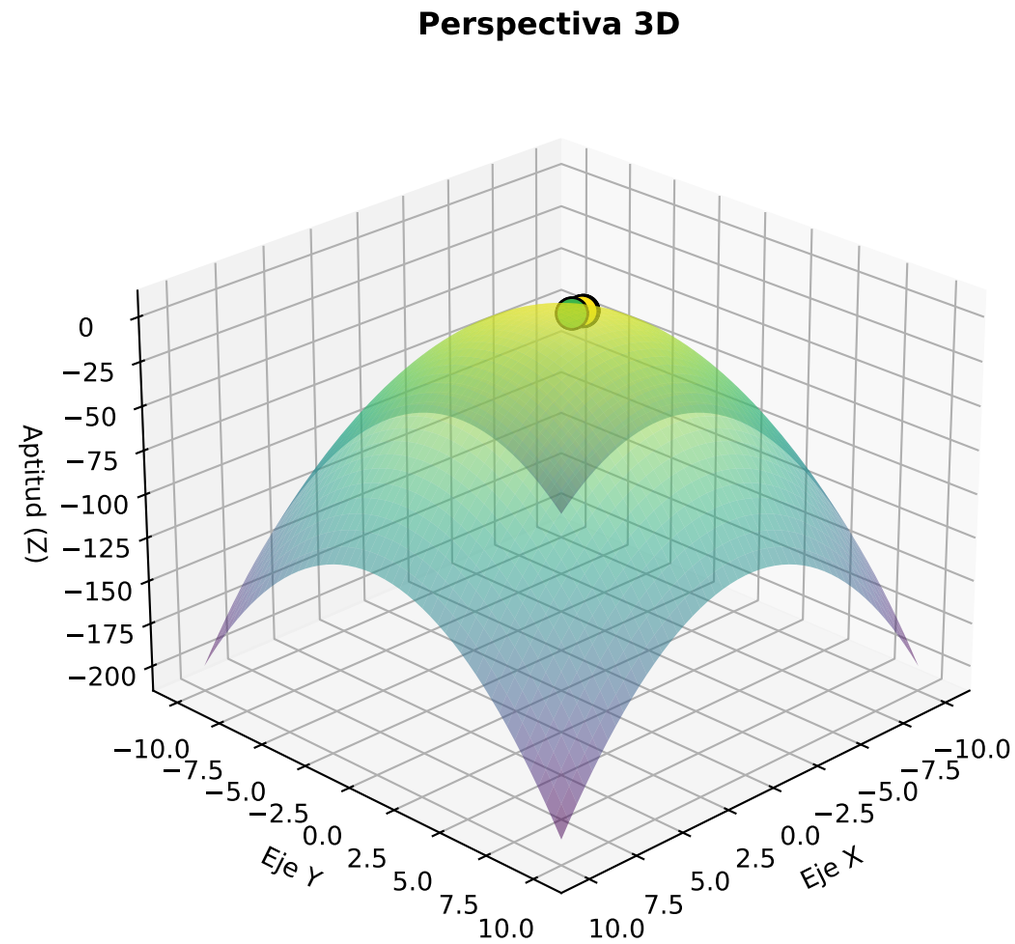


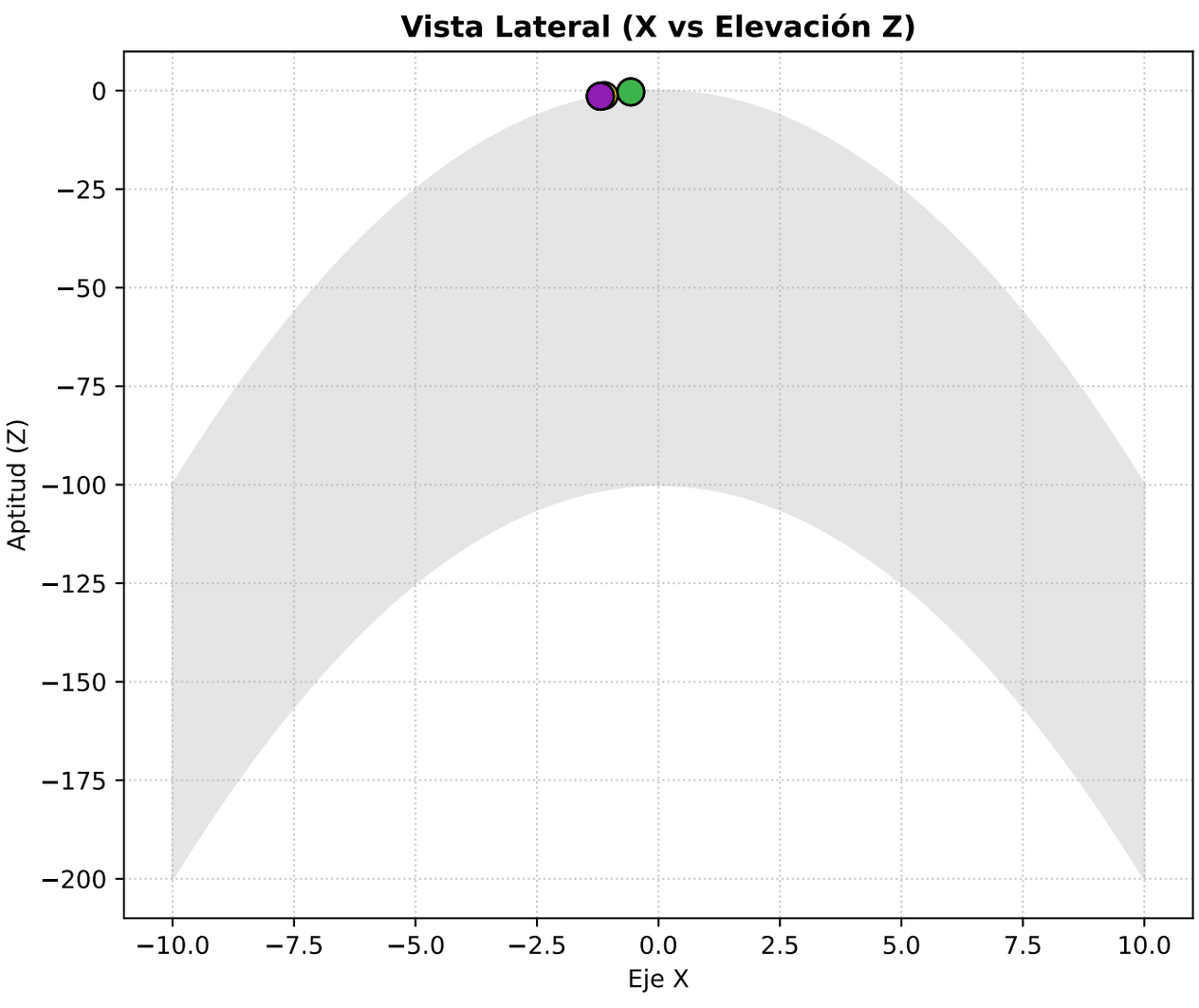


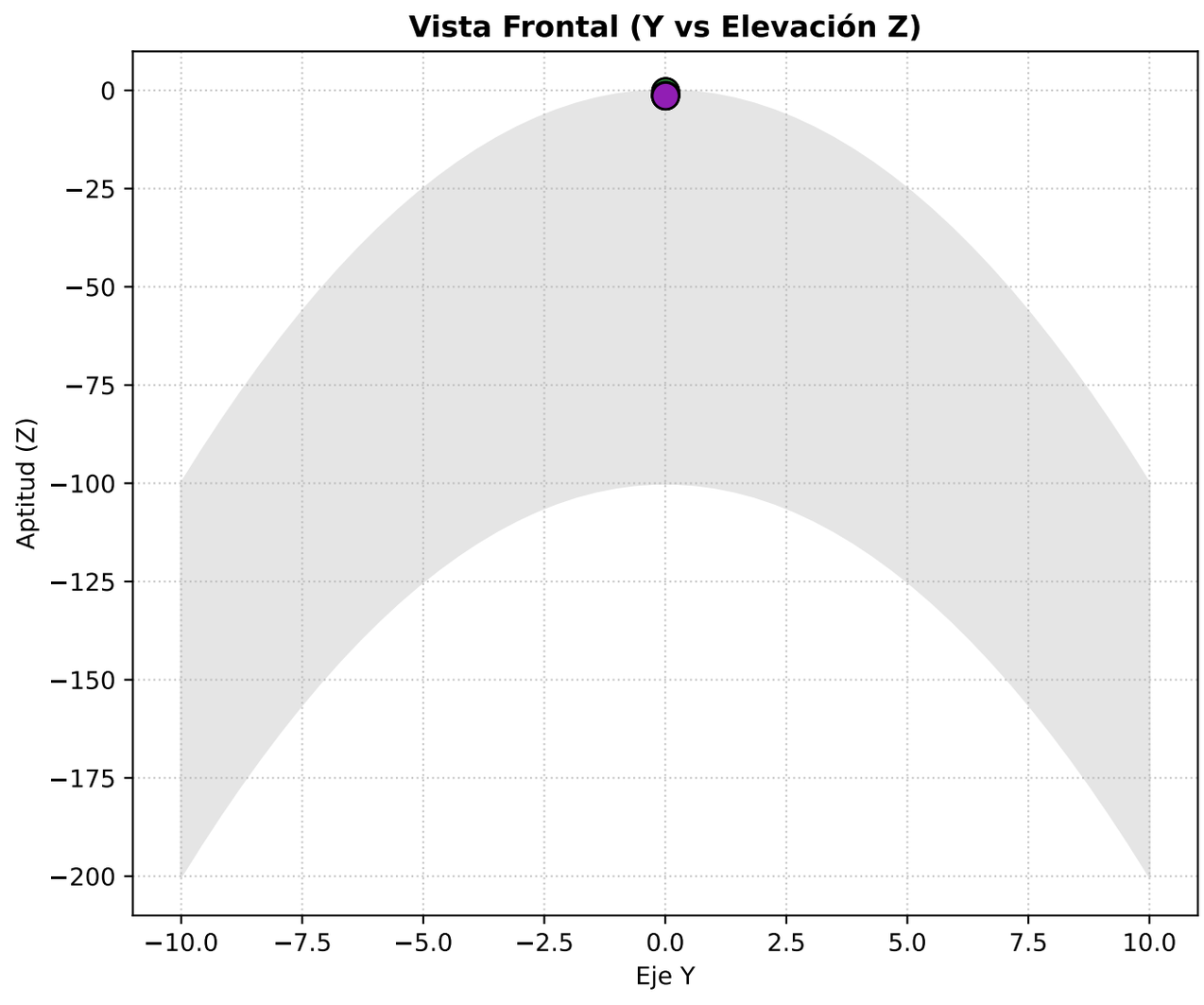


Progreso: Generación 16

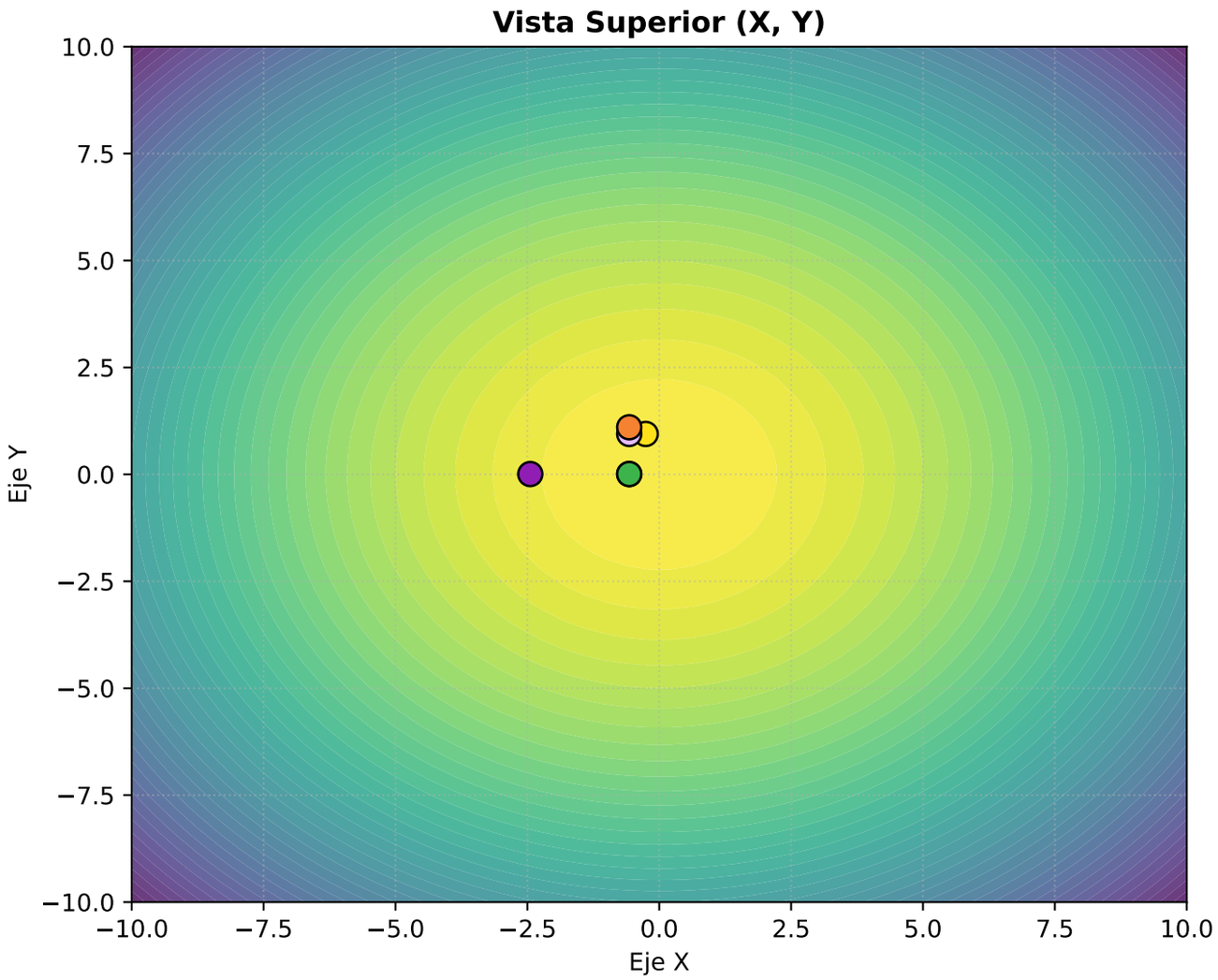


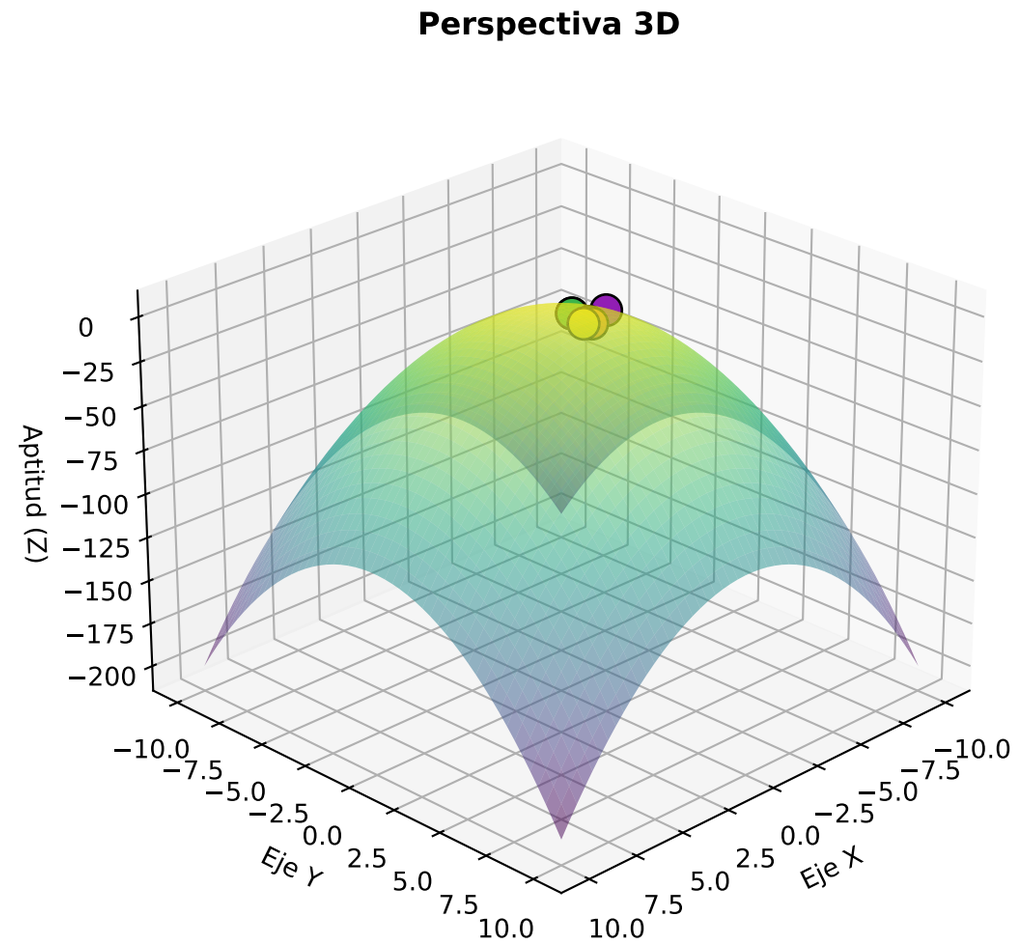


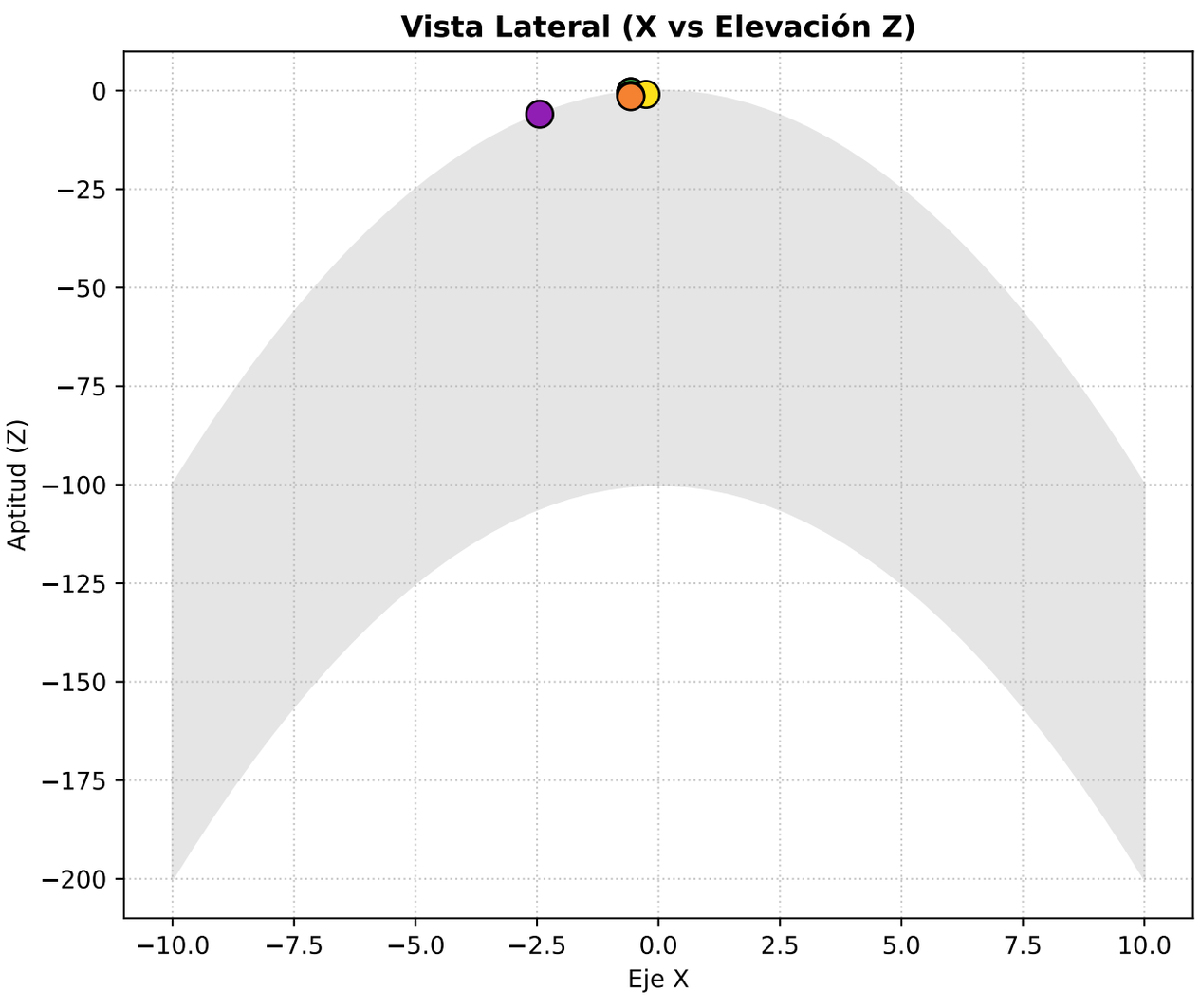


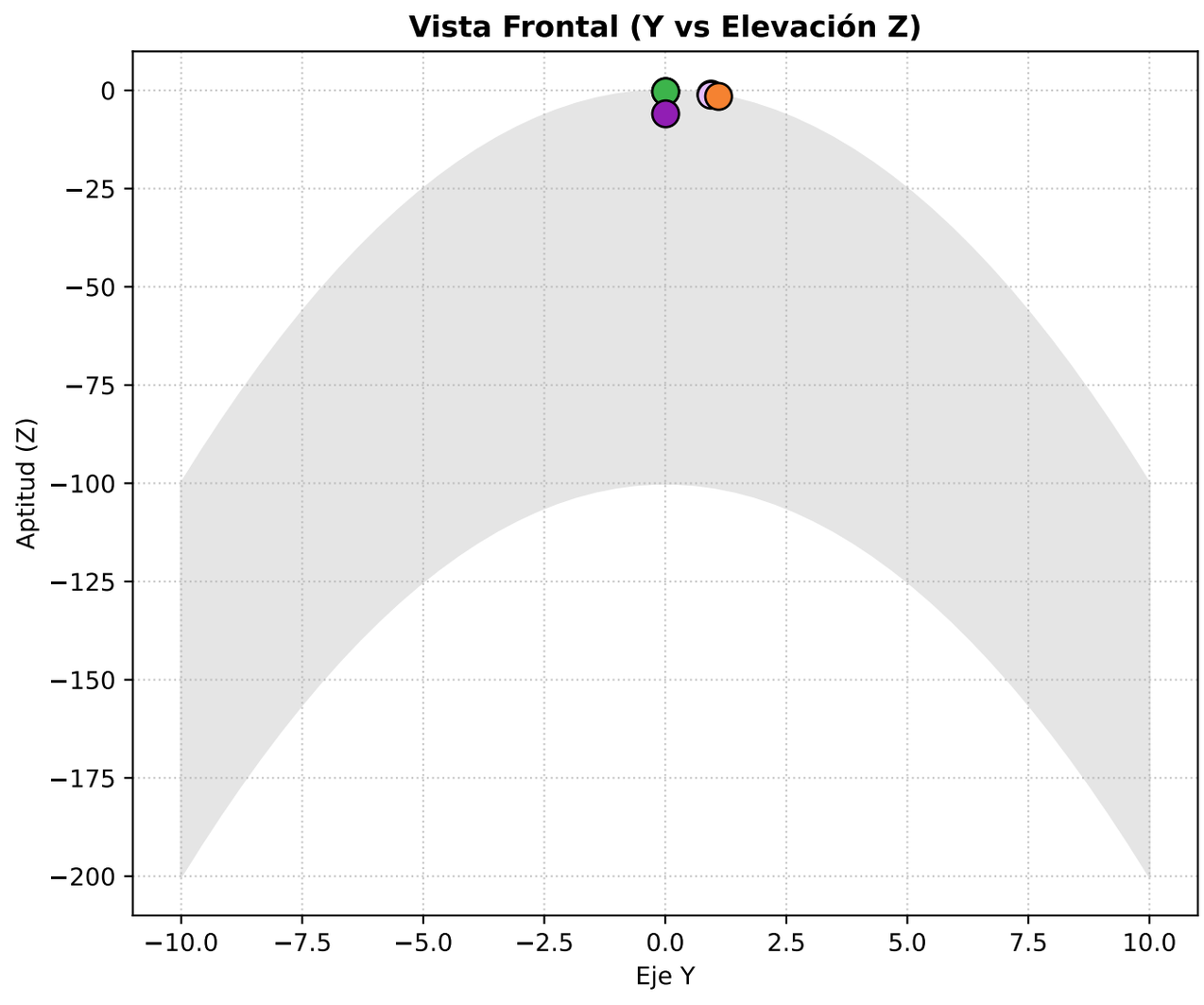


Progreso: Generación 18

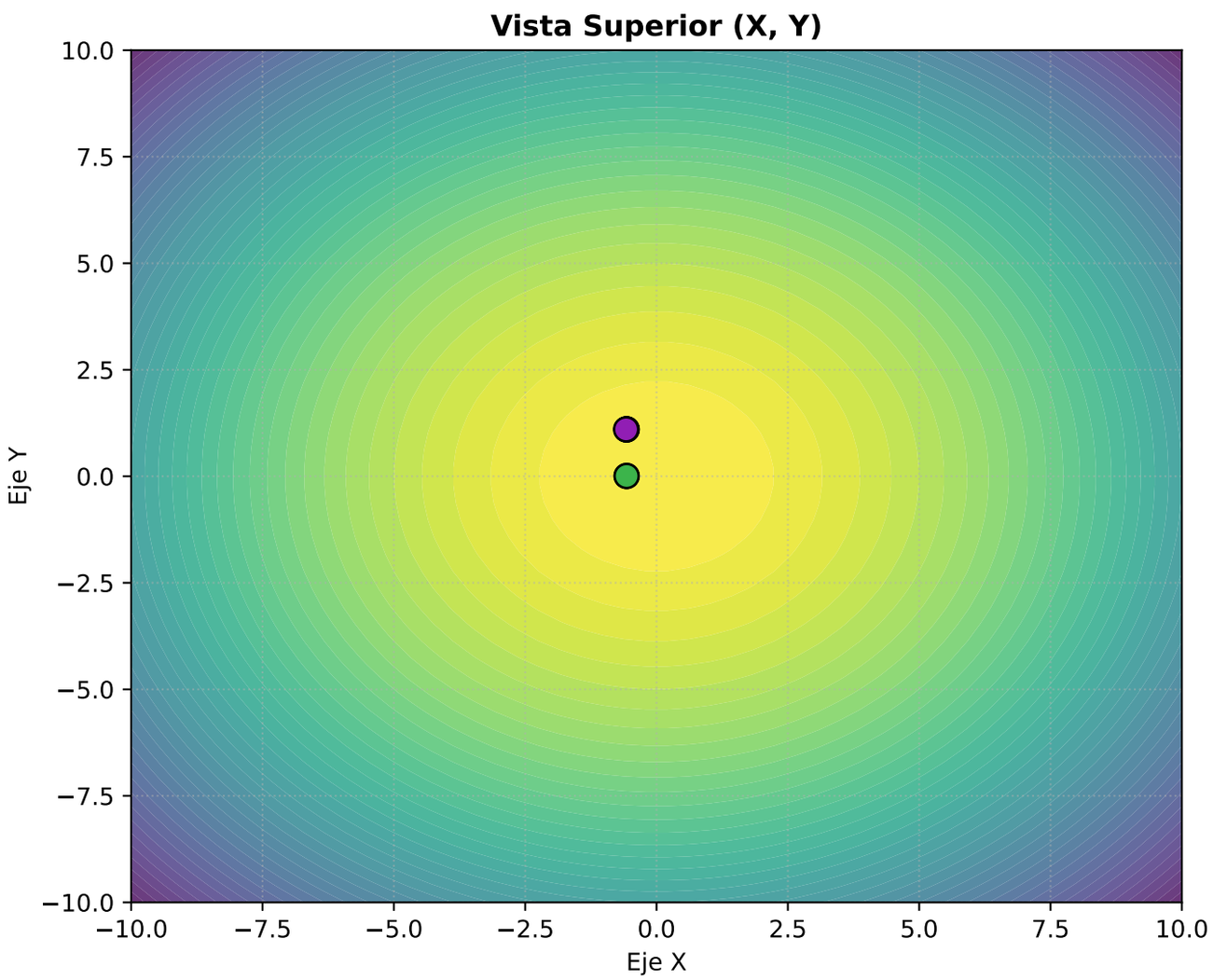


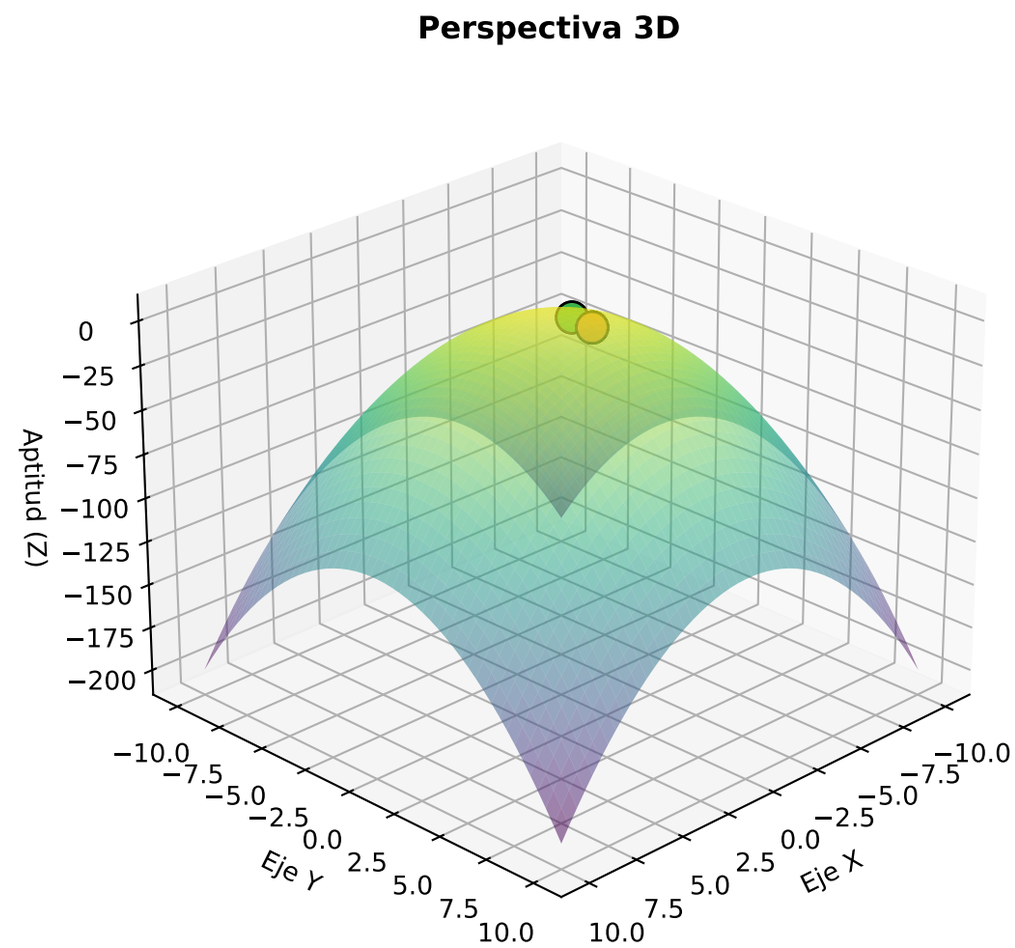


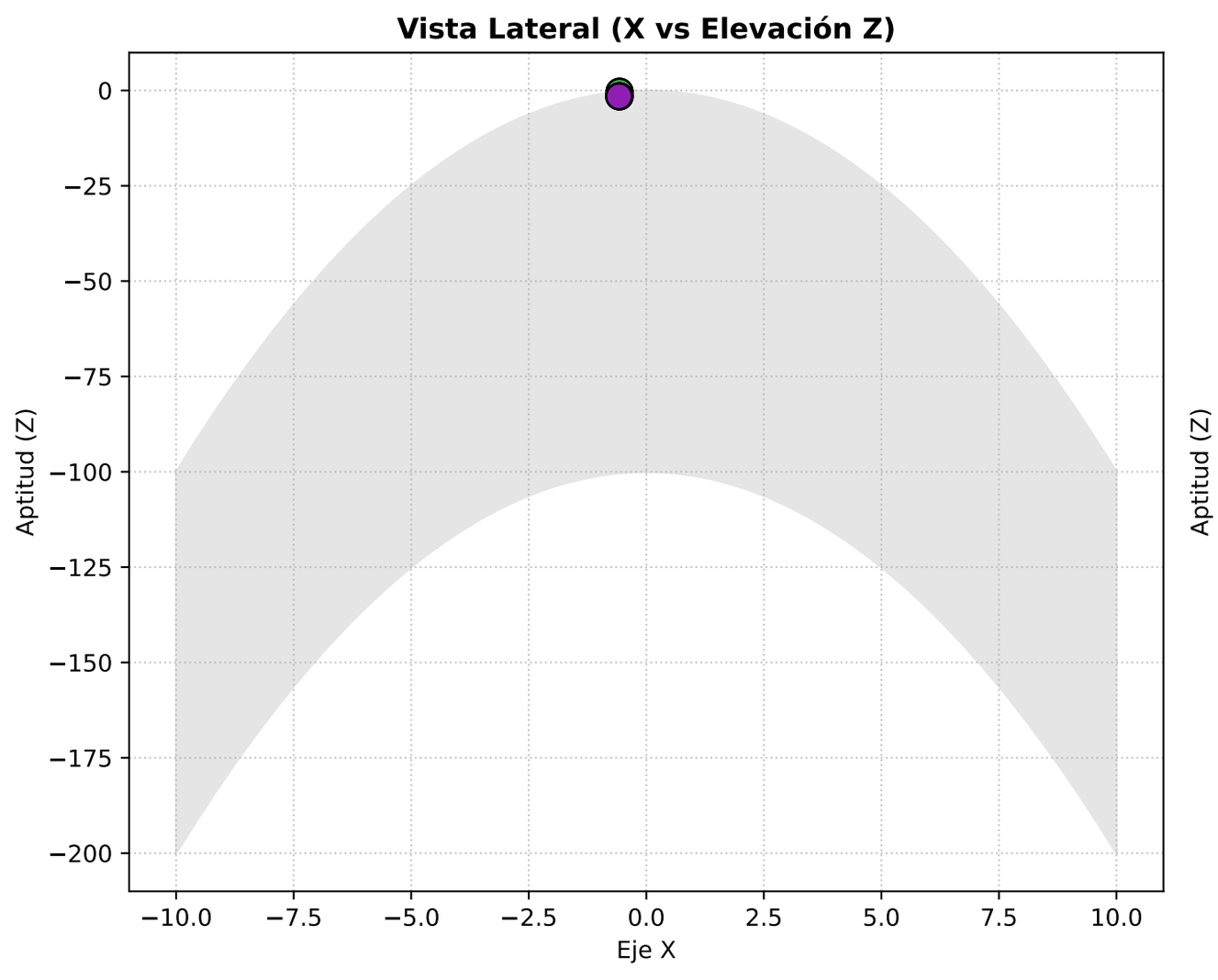


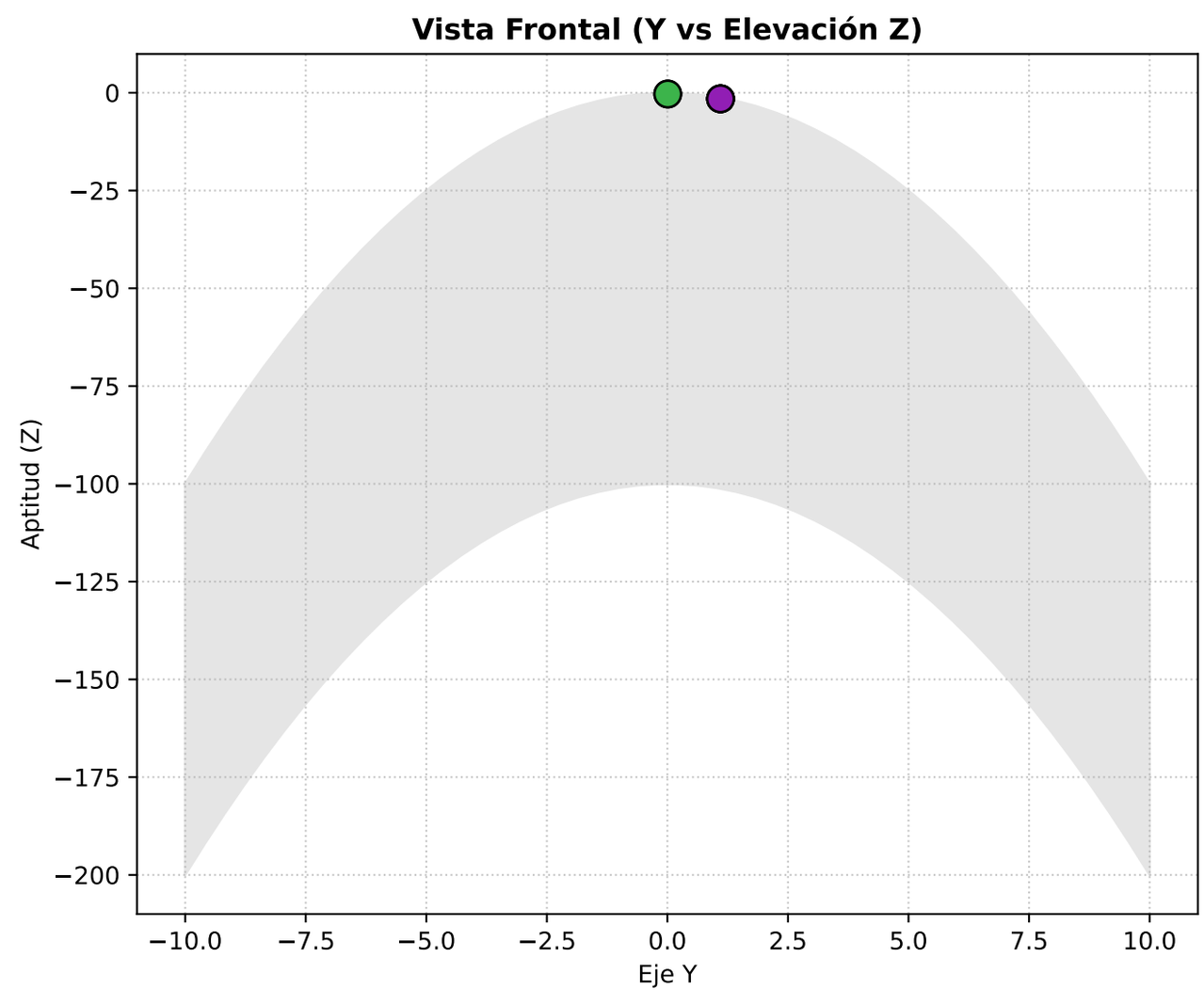


Progreso: Generación 20





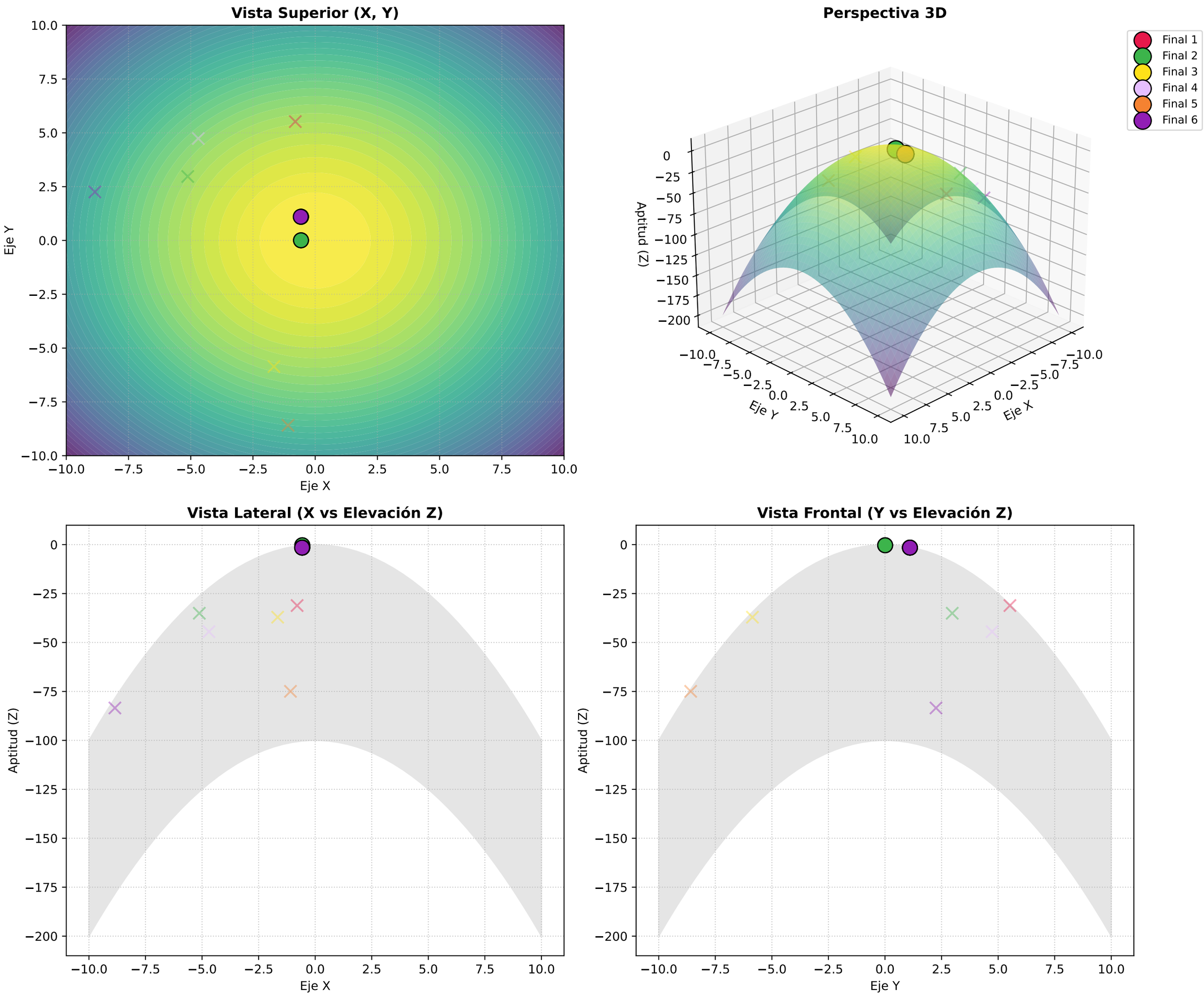




Posición del Mejor Individuo por Salto

Gen	Mejores Bits	Coordenadas (X, Y)	Aptitud
2	[0, 1, 0, 0, 1, 1, 1, 0, 1, 0, 1, 1, 1, 0, 0, 1, 1, 1, 0, 0, 1, 1, 0, 1]	X: -3.85, Y: 2.25	-19.9109
4	[0, 1, 1, 1, 0, 1, 0, 1, 1, 1, 1, 1, 1, 0, 0, 1, 1, 1, 0, 0, 1, 1, 0, 1]	X: -0.78, Y: 2.25	-5.6948
6	[0, 1, 1, 1, 0, 1, 0, 1, 1, 1, 1, 1, 1, 0, 0, 1, 0, 0, 1, 0, 0, 0, 0, 1]	X: -0.78, Y: 1.41	-2.6136
8	[0, 1, 1, 1, 0, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 0, 0, 0, 1, 0, 0, 0, 0, 1]	X: -1.19, Y: 0.16	-1.4527
10	[0, 1, 1, 1, 0, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 0, 0, 0, 1, 0, 0, 0, 0, 1]	X: -1.19, Y: 0.16	-1.4527
12	[0, 1, 1, 1, 0, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 0, 0, 0, 1, 0, 0, 0, 0, 1]	X: -1.19, Y: 0.16	-1.4527
14	[0, 1, 1, 1, 0, 0, 0, 1, 1, 0, 1, 1, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1]	X: -1.12, Y: 0.01	-1.2455
16	[0, 1, 1, 1, 1, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1]	X: -0.57, Y: 0.01	-0.3238
18	[0, 1, 1, 1, 1, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1]	X: -0.57, Y: 0.01	-0.3238
20	[0, 1, 1, 1, 1, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1]	X: -0.57, Y: 0.01	-0.3238

Comparativa: Iniciales (Tache) vs Finales Gen 20 (Círculo)



```
--- GENERACIÓN 1 ---
1. Evaluación:
   Bits: [0, 1, 1, 1, 0, 1, 0, 1, 1, 1, 0, 0, 1, 1, 0, 0, 0, 1, 1, 0, 1, 0, 1, 0] | Dec: (-0.80, 5.52) | Aptitud: -31
   Bits: [0, 1, 1, 0, 1, 0, 1, 0, 1, 1, 0, 0, 0, 0, 1, 1, 0, 1, 0, 1, 0, 0, 0, 0] | Dec: (-1.66, -5.86) | Aptitud: -3
   Bits: [0, 1, 1, 1, 0, 0, 1, 0, 0, 0, 0, 0, 0, 0, 0, 1, 0, 0, 1, 0, 0, 0, 0, 1] | Dec: (-1.09, -8.59) | Aptitud: -7
   Bits: [0, 0, 1, 1, 1, 1, 1, 0, 0, 1, 1, 1, 1, 0, 1, 0, 0, 1, 1, 0, 0, 0, 0, 0] | Dec: (-5.12, 2.97) | Aptitud: -35
   Bits: [0, 1, 1, 0, 1, 0, 1, 1, 1, 1, 1, 0, 1, 1, 1, 1, 1, 0, 0, 1, 0, 0, 1, 1] | Dec: (-1.57, 9.47) | Aptitud: -92
   Bits: [0, 1, 0, 0, 0, 0, 1, 1, 1, 1, 1, 0, 1, 0, 1, 1, 1, 1, 0, 0, 1, 0, 0, 1] | Dec: (-4.70, 4.74) | Aptitud: -44
   Bits: [0, 0, 0, 0, 0, 1, 1, 0, 0, 1, 1, 0, 0, 0, 1, 1, 1, 0, 1, 0, 1, 1, 0, 1] | Dec: (-9.50, -5.40) | Aptitud: -1
   Bits: [1, 1, 1, 0, 0, 0, 1, 0, 1, 1, 1, 0, 1, 1, 1, 0, 1, 0, 0, 1, 1, 1, 1, 1] | Dec: (7.73, 8.28) | Aptitud: -128
   Bits: [0, 0, 0, 0, 1, 0, 0, 0, 1, 0, 1, 1, 1, 1, 1, 1, 0, 0, 1, 0, 1, 1, 0, 0] | Dec: (-9.32, 8.97) | Aptitud: -16
   Bits: [0, 0, 0, 0, 1, 1, 1, 0, 1, 0, 1, 1, 1, 0, 0, 1, 1, 1, 0, 0, 1, 1, 0, 1] | Dec: (-8.85, 2.25) | Aptitud: -83

2. Selección:
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   [0, 1, 1, 1, 0, 1, 0, 1, 1, 1, 0, 0, 1, 1, 0, 0, 0, 1, 1, 0, 1, 0, 1, 0]
   [0, 0, 0, 0, 1, 1, 1, 0, 1, 0, 1, 1, 1, 0, 0, 1, 1, 1, 0, 0, 1, 1, 0, 1]
   [0, 1, 1, 0, 1, 0, 1, 1, 1, 1, 1, 0, 1, 1, 1, 1, 1, 0, 0, 1, 0, 0, 1, 1]
   [0, 1, 1, 1, 0, 0, 1, 0, 0, 0, 0, 0, 0, 0, 0, 1, 0, 0, 1, 0, 0, 0, 0, 1]

3. Cruza:
   Cruzando [0, 0, 0, 0, 0, 1, 1, 0, 0, 1, 1, 0, 0, 0, 1, 1, 1, 0, 1, 0, 1, 1, 0, 1] y [0, 1, 1, 1, 0, 1, 0, 1, 1, 1,
   Cruzando [0, 1, 1, 1, 0, 1, 0, 1, 1, 1, 0, 0, 1, 1, 0, 0, 0, 1, 1, 0, 1, 0, 1, 0] y [0, 0, 0, 0, 1, 1, 1, 0, 1, 0,
   Cruzando [0, 0, 0, 0, 1, 1, 1, 0, 1, 0, 1, 1, 1, 0, 0, 1, 1, 1, 0, 0, 1, 1, 0, 1] y [0, 1, 1, 0, 1, 0, 1, 1, 1, 1,
   Cruzando [0, 1, 1, 0, 1, 0, 1, 1, 1, 1, 1, 0, 1, 1, 1, 1, 1, 0, 0, 1, 0, 0, 1, 1] y [0, 1, 1, 1, 0, 0, 1, 0, 0, 0,
   Cruzando [0, 1, 1, 1, 0, 0, 1, 0, 0, 0, 0, 0, 0, 0, 0, 1, 0, 0, 1, 0, 0, 0, 0, 1] y [0, 0, 0, 0, 0, 1, 1, 0, 0, 1,

4. Mutación:
   ¡Mutación! [0, 1, 1, 1, 0, 1, 0, 1, 1, 1, 0, 0, 1, 1, 0, 0, 0, 1, 1, 0, 1, 1, 0, 1] -> [0, 1, 1, 1, 0, 1, 0, 1, 1,
   ¡Mutación! [0, 1, 1, 1, 0, 0, 1, 0, 0, 0, 0, 0, 0, 0, 0, 1, 0, 0, 1, 0, 0, 0, 0, 1] -> [0, 1, 1, 1, 0, 0, 0, 0, 0,
----------------------------------------------------

--- GENERACIÓN 2 ---
1. Evaluación:
   Bits: [0, 1, 1, 1, 0, 1, 0, 1, 1, 1, 0, 0, 1, 1, 0, 0, 0, 1, 1, 0, 1, 0, 1, 0] | Dec: (-0.80, 5.52) | Aptitud: -31
   Bits: [0, 0, 0, 0, 0, 1, 1, 0, 0, 1, 1, 0, 0, 0, 1, 1, 1, 0, 1, 0, 1, 0, 1, 0] | Dec: (-9.50, -5.42) | Aptitud: -1
   Bits: [0, 1, 1, 1, 0, 1, 0, 1, 1, 1, 1, 0, 1, 1, 0, 0, 0, 1, 1, 0, 1, 1, 0, 1] | Dec: (-0.79, 5.54) | Aptitud: -31
   Bits: [0, 1, 1, 1, 0, 1, 0, 1, 1, 1, 0, 0, 1, 1, 0, 1, 1, 1, 0, 0, 1, 1, 0, 1] | Dec: (-0.80, 7.26) | Aptitud: -53
   Bits: [0, 0, 0, 0, 1, 1, 1, 0, 1, 0, 1, 1, 1, 0, 0, 0, 0, 1, 1, 0, 1, 0, 1, 0] | Dec: (-8.85, 0.52) | Aptitud: -78
   Bits: [0, 0, 1, 0, 1, 0, 1, 1, 1, 1, 1, 0, 1, 1, 1, 1, 1, 0, 0, 1, 0, 0, 1, 1] | Dec: (-6.57, 9.47) | Aptitud: -13
   Bits: [0, 1, 0, 0, 1, 1, 1, 0, 1, 0, 1, 1, 1, 0, 0, 1, 1, 1, 0, 0, 1, 1, 0, 1] | Dec: (-3.85, 2.25) | Aptitud: -19
   Bits: [0, 1, 1, 0, 1, 0, 1, 1, 1, 1, 1, 0, 1, 1, 1, 1, 1, 0, 0, 1, 0, 0, 1, 1] | Dec: (-1.57, 9.47) | Aptitud: -92
   Bits: [0, 1, 1, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1, 0, 0, 1, 0, 0, 0, 0, 1] | Dec: (-1.25, -8.59) | Aptitud: -7
   Bits: [0, 1, 1, 1, 0, 0, 1, 0, 0, 0, 0, 0, 0, 0, 0, 1, 0, 0, 1, 0, 0, 0, 0, 1] | Dec: (-1.09, -8.59) | Aptitud: -7

2. Selección:
   [0, 1, 0, 0, 1, 1, 1, 0, 1, 0, 1, 1, 1, 0, 0, 1, 1, 1, 0, 0, 1, 1, 0, 1]
   [0, 1, 1, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1, 0, 0, 1, 0, 0, 0, 0, 1]
   [0, 1, 1, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1, 0, 0, 1, 0, 0, 0, 0, 1]
   [0, 1, 1, 1, 0, 1, 0, 1, 1, 1, 0, 0, 1, 1, 0, 0, 0, 1, 1, 0, 1, 0, 1, 0]
   [0, 1, 0, 0, 1, 1, 1, 0, 1, 0, 1, 1, 1, 0, 0, 1, 1, 1, 0, 0, 1, 1, 0, 1]

3. Cruza:
   Cruzando [0, 1, 0, 0, 1, 1, 1, 0, 1, 0, 1, 1, 1, 0, 0, 1, 1, 1, 0, 0, 1, 1, 0, 1] y [0, 1, 1, 1, 0, 0, 0, 0, 0, 0,
   Cruzando [0, 1, 1, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1, 0, 0, 1, 0, 0, 0, 0, 1] y [0, 1, 1, 1, 0, 0, 0, 0, 0, 0,
   Cruzando [0, 1, 1, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1, 0, 0, 1, 0, 0, 0, 0, 1] y [0, 1, 1, 1, 0, 0, 1, 0, 1, 1,
   Cruzando [0, 1, 1, 1, 0, 1, 0, 1, 1, 1, 0, 0, 1, 1, 0, 0, 0, 1, 1, 0, 1, 0, 1, 0] y [0, 1, 0, 0, 1, 1, 1, 0, 1, 0,
   Cruzando [0, 1, 0, 0, 1, 1, 1, 0, 1, 0, 1, 1, 1, 0, 0, 1, 1, 1, 0, 0, 1, 1, 0, 1] y [0, 1, 0, 0, 1, 1, 1, 0, 1, 0,

4. Mutación:
   ¡Mutación! [0, 1, 1, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1, 0, 0, 1, 0, 0, 0, 0, 1] -> [0, 1, 1, 1, 0, 0, 0, 0, 0,
   ¡Mutación! [0, 1, 1, 1, 0, 1, 0, 1, 1, 1, 1, 1, 1, 0, 0, 1, 1, 1, 0, 0, 1, 1, 0, 1] -> [0, 1, 1, 1, 0, 1, 0, 1, 1,
----------------------------------------------------
```

```
--- GENERACIÓN 3 ---
1. Evaluación:
   Bits: [0, 1, 0, 0, 1, 1, 1, 0, 1, 0, 1, 1, 1, 0, 0, 1, 1, 1, 0, 0, 1, 1, 0, 1] | Dec: (-3.85, 2.25) | Aptitud: -19
   Bits: [0, 1, 0, 0, 1, 1, 1, 0, 1, 0, 1, 1, 1, 0, 0, 1, 1, 1, 0, 0, 0, 0, 0, 1] | Dec: (-3.85, 2.20) | Aptitud: -19
   Bits: [0, 1, 1, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1, 0, 0, 1, 0, 1, 1, 0, 1] | Dec: (-1.25, -8.53) | Aptitud: -7
   Bits: [0, 1, 1, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1, 1, 0, 0, 1, 0, 0, 0, 0, 1] | Dec: (-1.25, -6.09) | Aptitud: -3
   Bits: [0, 1, 1, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1, 0, 0, 1, 0, 0, 0, 0, 1] | Dec: (-1.25, -8.59) | Aptitud: -7
   Bits: [0, 1, 1, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1, 0, 1, 1, 0, 1, 0, 1, 0] | Dec: (-1.25, -8.23) | Aptitud: -6
   Bits: [0, 1, 1, 1, 0, 1, 0, 1, 1, 1, 0, 0, 1, 1, 0, 0, 0, 0, 1, 0, 0, 0, 0, 1] | Dec: (-0.80, 5.16) | Aptitud: -27
   Bits: [0, 1, 1, 1, 0, 1, 0, 1, 1, 1, 1, 1, 1, 0, 1, 1, 1, 1, 0, 0, 1, 1, 0, 1] | Dec: (-0.78, 4.75) | Aptitud: -23
   Bits: [0, 1, 0, 0, 1, 1, 1, 0, 1, 0, 0, 0, 1, 1, 0, 0, 0, 1, 1, 0, 1, 0, 1, 0] | Dec: (-3.87, 5.52) | Aptitud: -45
   Bits: [0, 1, 0, 0, 1, 1, 1, 0, 1, 0, 1, 1, 1, 0, 0, 1, 1, 1, 0, 0, 1, 1, 0, 1] | Dec: (-3.85, 2.25) | Aptitud: -19

2. Selección:
   [0, 1, 1, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1, 0, 0, 1, 0, 0, 0, 0, 1]
   [0, 1, 0, 0, 1, 1, 1, 0, 1, 0, 1, 1, 1, 0, 0, 1, 1, 1, 0, 0, 1, 1, 0, 1]
   [0, 1, 1, 1, 0, 1, 0, 1, 1, 1, 1, 1, 1, 0, 1, 1, 1, 1, 0, 0, 1, 1, 0, 1]
   [0, 1, 0, 0, 1, 1, 1, 0, 1, 0, 1, 1, 1, 0, 0, 1, 1, 1, 0, 0, 1, 1, 0, 1]
   [0, 1, 1, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1, 0, 0, 1, 0, 0, 0, 0, 1]

3. Cruza:
   Cruzando [0, 1, 1, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1, 0, 0, 1, 0, 0, 0, 0, 1] y [0, 1, 0, 0, 1, 1, 1, 0, 1, 0,
   Cruzando [0, 1, 0, 0, 1, 1, 1, 0, 1, 0, 1, 1, 1, 0, 0, 1, 1, 1, 0, 0, 1, 1, 0, 1] y [0, 1, 1, 1, 0, 1, 0, 1, 1, 1,
   Cruzando [0, 1, 1, 1, 0, 1, 0, 1, 1, 1, 1, 1, 1, 0, 1, 1, 1, 1, 0, 0, 1, 1, 0, 1] y [0, 1, 0, 0, 1, 1, 1, 0, 1, 0,
   Cruzando [0, 1, 0, 0, 1, 1, 1, 0, 1, 0, 1, 1, 1, 0, 0, 1, 1, 1, 0, 0, 1, 1, 0, 1] y [0, 1, 1, 1, 0, 0, 0, 0, 0, 0,
   Cruzando [0, 1, 1, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1, 0, 0, 1, 0, 0, 0, 0, 1] y [0, 1, 1, 1, 0, 0, 0, 0, 0, 0,

4. Mutación:
   ¡Mutación! [0, 1, 1, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1, 0, 0, 1, 0, 0, 0, 0, 1] -> [0, 1, 1, 1, 0, 0, 0, 1, 0,
----------------------------------------------------

--- GENERACIÓN 4 ---
1. Evaluación:
   Bits: [0, 1, 0, 0, 1, 1, 1, 0, 1, 0, 1, 1, 1, 0, 0, 1, 1, 1, 0, 0, 0, 0, 0, 1] | Dec: (-3.85, 2.20) | Aptitud: -19
   Bits: [0, 1, 1, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1, 1, 1, 0, 0, 1, 1, 0, 1] | Dec: (-1.25, -7.75) | Aptitud: -6
   Bits: [0, 1, 0, 0, 1, 1, 1, 0, 1, 0, 1, 1, 1, 0, 0, 1, 0, 0, 1, 0, 0, 0, 0, 1] | Dec: (-3.85, 1.41) | Aptitud: -16
   Bits: [0, 1, 0, 0, 1, 1, 1, 0, 1, 0, 1, 1, 1, 0, 0, 1, 1, 1, 0, 0, 1, 1, 0, 1] | Dec: (-3.85, 2.25) | Aptitud: -19
   Bits: [0, 1, 1, 1, 0, 1, 0, 1, 1, 1, 1, 1, 1, 0, 1, 1, 1, 1, 0, 0, 1, 1, 0, 1] | Dec: (-0.78, 4.75) | Aptitud: -23
   Bits: [0, 1, 1, 1, 0, 1, 0, 1, 1, 1, 1, 1, 1, 0, 0, 1, 1, 1, 0, 0, 1, 1, 0, 1] | Dec: (-0.78, 2.25) | Aptitud: -5.
   Bits: [0, 1, 0, 0, 1, 1, 1, 0, 1, 0, 1, 1, 1, 0, 1, 1, 1, 1, 0, 0, 1, 1, 0, 1] | Dec: (-3.85, 4.75) | Aptitud: -37
   Bits: [0, 1, 0, 0, 1, 1, 1, 0, 0, 0, 0, 0, 0, 0, 0, 1, 0, 0, 1, 0, 0, 0, 0, 1] | Dec: (-3.90, -8.59) | Aptitud: -8
   Bits: [0, 1, 1, 1, 0, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 1, 1, 1, 0, 0, 1, 1, 0, 1] | Dec: (-1.19, 2.25) | Aptitud: -6.
   Bits: [0, 1, 1, 1, 0, 0, 0, 1, 0, 0, 0, 0, 0, 0, 0, 1, 0, 0, 1, 0, 0, 0, 0, 1] | Dec: (-1.17, -8.59) | Aptitud: -7

2. Selección:
   [0, 1, 0, 0, 1, 1, 1, 0, 1, 0, 1, 1, 1, 0, 0, 1, 0, 0, 1, 0, 0, 0, 0, 1]
   [0, 1, 1, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1, 1, 1, 0, 0, 1, 1, 0, 1]
   [0, 1, 0, 0, 1, 1, 1, 0, 1, 0, 1, 1, 1, 0, 0, 1, 1, 1, 0, 0, 0, 0, 0, 1]
   [0, 1, 1, 1, 0, 1, 0, 1, 1, 1, 1, 1, 1, 0, 1, 1, 1, 1, 0, 0, 1, 1, 0, 1]
   [0, 1, 0, 0, 1, 1, 1, 0, 1, 0, 1, 1, 1, 0, 1, 1, 1, 1, 0, 0, 1, 1, 0, 1]

3. Cruza:
   Cruzando [0, 1, 0, 0, 1, 1, 1, 0, 1, 0, 1, 1, 1, 0, 0, 1, 0, 0, 1, 0, 0, 0, 0, 1] y [0, 1, 1, 1, 0, 0, 0, 0, 0, 0,
   Cruzando [0, 1, 1, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1, 1, 1, 0, 0, 1, 1, 0, 1] y [0, 1, 0, 0, 1, 1, 1, 0, 1, 0,
   Cruzando [0, 1, 0, 0, 1, 1, 1, 0, 1, 0, 1, 1, 1, 0, 0, 1, 1, 1, 0, 0, 0, 0, 0, 1] y [0, 1, 1, 1, 0, 1, 0, 1, 1, 1,
   Cruzando [0, 1, 1, 1, 0, 1, 0, 1, 1, 1, 1, 1, 1, 0, 1, 1, 1, 1, 0, 0, 1, 1, 0, 1] y [0, 1, 0, 0, 1, 1, 1, 0, 1, 0,
   Cruzando [0, 1, 0, 0, 1, 1, 1, 0, 1, 0, 1, 1, 1, 0, 1, 1, 1, 1, 0, 0, 1, 1, 0, 1] y [0, 1, 0, 0, 1, 1, 1, 0, 1, 0,

4. Mutación:
   ¡Mutación! [0, 1, 0, 0, 1, 1, 1, 0, 0, 0, 0, 0, 0, 0, 0, 1, 1, 1, 0, 0, 1, 1, 0, 1] -> [0, 1, 0, 0, 1, 0, 1, 0, 0,
   ¡Mutación! [0, 1, 0, 0, 1, 1, 1, 0, 1, 0, 1, 1, 1, 0, 1, 1, 1, 1, 0, 0, 1, 1, 0, 1] -> [0, 1, 0, 0, 1, 1, 1, 0, 1,
   ¡Mutación! [0, 1, 0, 0, 1, 1, 1, 0, 1, 0, 1, 1, 1, 0, 1, 1, 1, 1, 0, 0, 1, 0, 0, 1] -> [0, 1, 0, 0, 1, 1, 1, 0, 1,
----------------------------------------------------

--- GENERACIÓN 5 ---
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```
1. Evaluación:
   Bits: [0, 1, 1, 1, 0, 1, 0, 1, 1, 1, 1, 1, 1, 0, 0, 1, 1, 1, 0, 0, 1, 1, 0, 1] | Dec: (-0.78, 2.25) | Aptitud: -5.
   Bits: [0, 1, 0, 0, 1, 0, 1, 0, 0, 0, 0, 0, 0, 0, 0, 1, 1, 1, 0, 0, 1, 1, 0, 1] | Dec: (-4.22, -7.75) | Aptitud: -7
   Bits: [0, 1, 1, 1, 0, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 1, 0, 0, 1, 0, 0, 0, 0, 1] | Dec: (-1.19, 1.41) | Aptitud: -3.
   Bits: [0, 1, 1, 1, 0, 0, 0, 0, 0, 0, 0, 1, 1, 0, 0, 1, 1, 1, 0, 0, 0, 0, 0, 1] | Dec: (-1.24, 2.20) | Aptitud: -6.
   Bits: [0, 1, 0, 0, 1, 1, 1, 0, 1, 0, 1, 0, 0, 0, 0, 1, 1, 1, 0, 0, 1, 1, 0, 1] | Dec: (-3.86, -7.75) | Aptitud: -7
   Bits: [0, 1, 0, 0, 1, 1, 1, 0, 1, 0, 1, 1, 1, 0, 0, 1, 1, 1, 0, 0, 1, 1, 0, 1] | Dec: (-3.85, 2.25) | Aptitud: -19
   Bits: [0, 1, 1, 1, 0, 1, 0, 1, 1, 1, 1, 1, 1, 0, 1, 1, 1, 1, 0, 0, 0, 0, 0, 1] | Dec: (-0.78, 4.70) | Aptitud: -22
   Bits: [0, 1, 1, 1, 0, 1, 0, 1, 1, 1, 1, 1, 1, 0, 1, 1, 1, 1, 0, 0, 1, 1, 0, 1] | Dec: (-0.78, 4.75) | Aptitud: -23
   Bits: [0, 1, 0, 0, 1, 1, 1, 0, 1, 0, 1, 1, 1, 0, 1, 1, 1, 1, 0, 1, 1, 1, 0, 1] | Dec: (-3.85, 4.83) | Aptitud: -38
   Bits: [0, 1, 0, 0, 1, 1, 1, 0, 1, 0, 1, 1, 1, 0, 0, 1, 1, 1, 0, 0, 1, 0, 0, 1] | Dec: (-3.85, 2.23) | Aptitud: -19

2. Selección:
   [0, 1, 1, 1, 0, 1, 0, 1, 1, 1, 1, 1, 1, 0, 0, 1, 1, 1, 0, 0, 1, 1, 0, 1]
   [0, 1, 1, 1, 0, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 1, 0, 0, 1, 0, 0, 0, 0, 1]
   [0, 1, 1, 1, 0, 0, 0, 0, 0, 0, 0, 1, 1, 0, 0, 1, 1, 1, 0, 0, 0, 0, 0, 1]
   [0, 1, 1, 1, 0, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 1, 0, 0, 1, 0, 0, 0, 0, 1]
   [0, 1, 1, 1, 0, 1, 0, 1, 1, 1, 1, 1, 1, 0, 1, 1, 1, 1, 0, 0, 1, 1, 0, 1]

3. Cruza:
   Cruzando [0, 1, 1, 1, 0, 1, 0, 1, 1, 1, 1, 1, 1, 0, 0, 1, 1, 1, 0, 0, 1, 1, 0, 1] y [0, 1, 1, 1, 0, 0, 0, 0, 1, 0,
   Cruzando [0, 1, 1, 1, 0, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 1, 0, 0, 1, 0, 0, 0, 0, 1] y [0, 1, 1, 1, 0, 0, 0, 0, 0, 0,
   Cruzando [0, 1, 1, 1, 0, 0, 0, 0, 0, 0, 0, 1, 1, 0, 0, 1, 1, 1, 0, 0, 0, 0, 0, 1] y [0, 1, 1, 1, 0, 0, 0, 0, 1, 0,
   Cruzando [0, 1, 1, 1, 0, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 1, 0, 0, 1, 0, 0, 0, 0, 1] y [0, 1, 1, 1, 0, 1, 0, 1, 1, 1,
   Cruzando [0, 1, 1, 1, 0, 1, 0, 1, 1, 1, 1, 1, 1, 0, 1, 1, 1, 1, 0, 0, 1, 1, 0, 1] y [0, 1, 1, 1, 0, 1, 0, 1, 1, 1,

4. Mutación:
--------------------------------------------------

--- GENERACIÓN 6 ---
1. Evaluación:
   Bits: [0, 1, 1, 1, 0, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 1, 0, 0, 1, 0, 0, 0, 0, 1] | Dec: (-1.19, 1.41) | Aptitud: -3.
   Bits: [0, 1, 1, 1, 0, 1, 0, 1, 1, 1, 1, 1, 1, 0, 0, 1, 0, 0, 1, 0, 0, 0, 0, 1] | Dec: (-0.78, 1.41) | Aptitud: -2.
   Bits: [0, 1, 1, 1, 0, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 1, 1, 1, 0, 0, 1, 1, 0, 1] | Dec: (-1.19, 2.25) | Aptitud: -6.
   Bits: [0, 1, 1, 1, 0, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 1, 1, 1, 0, 0, 0, 0, 0, 1] | Dec: (-1.19, 2.20) | Aptitud: -6.
   Bits: [0, 1, 1, 1, 0, 0, 0, 0, 0, 0, 0, 1, 1, 0, 0, 1, 0, 0, 1, 0, 0, 0, 0, 1] | Dec: (-1.24, 1.41) | Aptitud: -3.
   Bits: [0, 1, 1, 1, 0, 0, 0, 0, 0, 0, 0, 1, 1, 0, 0, 1, 1, 1, 0, 0, 0, 0, 0, 1] | Dec: (-1.24, 2.20) | Aptitud: -6.
   Bits: [0, 1, 1, 1, 0, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 1, 0, 0, 1, 0, 0, 0, 0, 1] | Dec: (-1.19, 1.41) | Aptitud: -3.
   Bits: [0, 1, 1, 1, 0, 0, 0, 0, 1, 1, 1, 1, 1, 0, 1, 1, 1, 1, 0, 0, 1, 1, 0, 1] | Dec: (-1.17, 4.75) | Aptitud: -23
   Bits: [0, 1, 1, 1, 0, 1, 0, 1, 1, 0, 1, 1, 1, 0, 0, 1, 0, 0, 1, 0, 0, 0, 0, 1] | Dec: (-0.80, 1.41) | Aptitud: -2.
   Bits: [0, 1, 1, 1, 0, 1, 0, 1, 1, 1, 1, 1, 1, 0, 1, 1, 1, 1, 0, 0, 1, 1, 0, 1] | Dec: (-0.78, 4.75) | Aptitud: -23

2. Selección:
   [0, 1, 1, 1, 0, 1, 0, 1, 1, 1, 1, 1, 1, 0, 0, 1, 0, 0, 1, 0, 0, 0, 0, 1]
   [0, 1, 1, 1, 0, 0, 0, 0, 0, 0, 0, 1, 1, 0, 0, 1, 1, 1, 0, 0, 0, 0, 0, 1]
   [0, 1, 1, 1, 0, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 1, 0, 0, 1, 0, 0, 0, 0, 1]
   [0, 1, 1, 1, 0, 0, 0, 0, 0, 0, 0, 1, 1, 0, 0, 1, 0, 0, 1, 0, 0, 0, 0, 1]
   [0, 1, 1, 1, 0, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 1, 0, 0, 1, 0, 0, 0, 0, 1]

3. Cruza:
   Cruzando [0, 1, 1, 1, 0, 1, 0, 1, 1, 1, 1, 1, 1, 0, 0, 1, 0, 0, 1, 0, 0, 0, 0, 1] y [0, 1, 1, 1, 0, 0, 0, 0, 0, 0,
   Cruzando [0, 1, 1, 1, 0, 0, 0, 0, 0, 0, 0, 1, 1, 0, 0, 1, 1, 1, 0, 0, 0, 0, 0, 1] y [0, 1, 1, 1, 0, 0, 0, 0, 1, 0,
   Cruzando [0, 1, 1, 1, 0, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 1, 0, 0, 1, 0, 0, 0, 0, 1] y [0, 1, 1, 1, 0, 0, 0, 0, 0, 0,
   Cruzando [0, 1, 1, 1, 0, 0, 0, 0, 0, 0, 0, 1, 1, 0, 0, 1, 0, 0, 1, 0, 0, 0, 0, 1] y [0, 1, 1, 1, 0, 0, 0, 0, 1, 0,
   Cruzando [0, 1, 1, 1, 0, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 1, 0, 0, 1, 0, 0, 0, 0, 1] y [0, 1, 1, 1, 0, 1, 0, 1, 1, 1,

4. Mutación:
   ¡Mutación! [0, 1, 1, 1, 0, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 1, 0, 0, 1, 0, 0, 0, 0, 1] -> [1, 1, 1, 1, 0, 0, 0, 0, 1,
   ¡Mutación! [0, 1, 1, 1, 0, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 1, 0, 0, 1, 0, 0, 0, 0, 1] -> [0, 0, 1, 1, 0, 0, 0, 0, 1,
--------------------------------------------------

--- GENERACIÓN 7 ---
1. Evaluación:
   Bits: [0, 1, 1, 1, 0, 1, 0, 1, 1, 1, 1, 1, 1, 0, 0, 1, 0, 0, 1, 0, 0, 0, 0, 1] | Dec: (-0.78, 1.41) | Aptitud: -2.
   Bits: [0, 1, 1, 1, 0, 1, 0, 1, 1, 1, 1, 1, 1, 0, 0, 1, 0, 0, 1, 0, 0, 0, 0, 1] | Dec: (-0.78, 1.41) | Aptitud: -2.
```

```
   Bits: [0, 1, 1, 1, 0, 0, 0, 0, 0, 0, 0, 1, 1, 0, 0, 1, 1, 1, 0, 0, 0, 0, 0, 1] | Dec: (-1.24, 2.20) | Aptitud: -6.
   Bits: [0, 1, 1, 1, 0, 0, 0, 0, 0, 0, 0, 1, 1, 0, 0, 1, 0, 0, 1, 0, 0, 0, 0, 1] | Dec: (-1.24, 1.41) | Aptitud: -3.
   Bits: [0, 1, 1, 1, 0, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 1, 1, 1, 0, 0, 0, 0, 0, 1] | Dec: (-1.19, 2.20) | Aptitud: -6.
   Bits: [1, 1, 1, 1, 0, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 1, 0, 0, 1, 0, 0, 0, 0, 1] | Dec: (8.81, 1.41) | Aptitud: -79.
   Bits: [0, 1, 1, 1, 0, 0, 0, 0, 0, 0, 0, 1, 1, 0, 0, 1, 0, 0, 1, 0, 0, 0, 0, 1] | Dec: (-1.24, 1.41) | Aptitud: -3.
   Bits: [0, 0, 1, 1, 0, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 1, 0, 0, 1, 0, 0, 0, 0, 1] | Dec: (-6.20, 1.41) | Aptitud: -40
   Bits: [0, 1, 1, 1, 0, 0, 0, 0, 0, 0, 0, 1, 1, 0, 0, 1, 0, 0, 1, 0, 0, 0, 0, 1] | Dec: (-1.24, 1.41) | Aptitud: -3.
   Bits: [0, 1, 1, 1, 0, 1, 0, 1, 1, 1, 1, 1, 1, 0, 0, 1, 0, 0, 1, 0, 0, 0, 0, 1] | Dec: (-0.78, 1.41) | Aptitud: -2.

2. Selección:
   [0, 1, 1, 1, 0, 0, 0, 0, 0, 0, 0, 1, 1, 0, 0, 1, 1, 1, 0, 0, 0, 0, 0, 1]
   [0, 1, 1, 1, 0, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 1, 1, 1, 0, 0, 0, 0, 0, 1]
   [0, 1, 1, 1, 0, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 1, 1, 1, 0, 0, 0, 0, 0, 1]
   [0, 1, 1, 1, 0, 0, 0, 0, 0, 0, 0, 1, 1, 0, 0, 1, 0, 0, 1, 0, 0, 0, 0, 1]
   [1, 1, 1, 1, 0, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 1, 0, 0, 1, 0, 0, 0, 0, 1]

3. Cruza:
   Cruzando [0, 1, 1, 1, 0, 0, 0, 0, 0, 0, 0, 1, 1, 0, 0, 1, 1, 1, 0, 0, 0, 0, 0, 1] y [0, 1, 1, 1, 0, 0, 0, 0, 1, 0,
   Cruzando [0, 1, 1, 1, 0, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 1, 1, 1, 0, 0, 0, 0, 0, 1] y [0, 1, 1, 1, 0, 0, 0, 0, 1, 0,
   Cruzando [0, 1, 1, 1, 0, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 1, 1, 1, 0, 0, 0, 0, 0, 1] y [0, 1, 1, 1, 0, 0, 0, 0, 0, 0,
   Cruzando [0, 1, 1, 1, 0, 0, 0, 0, 0, 0, 0, 1, 1, 0, 0, 1, 0, 0, 1, 0, 0, 0, 0, 1] y [1, 1, 1, 1, 0, 0, 0, 0, 1, 0,
   Cruzando [1, 1, 1, 1, 0, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 1, 0, 0, 1, 0, 0, 0, 0, 1] y [0, 1, 1, 1, 0, 0, 0, 0, 0, 0,

4. Mutación:
   ¡Mutación! [0, 1, 1, 1, 0, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 1, 0, 0, 1, 0, 0, 0, 0, 1] -> [0, 1, 1, 1, 0, 0, 0, 0, 1,
   ¡Mutación! [1, 1, 1, 1, 0, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 1, 0, 0, 1, 0, 0, 0, 0, 1] -> [1, 1, 1, 1, 0, 0, 0, 0, 1,
--------------------------------------------------

--- GENERACIÓN 8 ---
1. Evaluación:
   Bits: [0, 1, 1, 1, 0, 1, 0, 1, 1, 1, 1, 1, 1, 0, 0, 1, 0, 0, 1, 0, 0, 0, 0, 1] | Dec: (-0.78, 1.41) | Aptitud: -2.
   Bits: [0, 1, 1, 1, 0, 0, 0, 0, 0, 0, 1, 1, 1, 0, 0, 1, 1, 1, 0, 0, 0, 0, 0, 1] | Dec: (-1.23, 2.20) | Aptitud: -6.
   Bits: [0, 1, 1, 1, 0, 0, 0, 0, 1, 0, 0, 1, 1, 0, 0, 1, 1, 1, 0, 0, 0, 0, 0, 1] | Dec: (-1.20, 2.20) | Aptitud: -6.
   Bits: [0, 1, 1, 1, 0, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 1, 1, 1, 0, 0, 0, 0, 0, 1] | Dec: (-1.19, 2.20) | Aptitud: -6.
   Bits: [0, 1, 1, 1, 0, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 1, 1, 1, 0, 0, 0, 0, 0, 1] | Dec: (-1.19, 2.20) | Aptitud: -6.
   Bits: [0, 1, 1, 1, 0, 0, 0, 0, 0, 0, 0, 1, 1, 0, 0, 1, 0, 0, 1, 0, 0, 0, 0, 1] | Dec: (-1.24, 1.41) | Aptitud: -3.
   Bits: [0, 1, 1, 1, 0, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 1, 1, 1, 0, 0, 0, 0, 0, 1] | Dec: (-1.19, 2.20) | Aptitud: -6.
   Bits: [0, 1, 1, 1, 0, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 0, 0, 0, 1, 0, 0, 0, 0, 1] | Dec: (-1.19, 0.16) | Aptitud: -1.
   Bits: [1, 1, 1, 1, 0, 0, 0, 0, 0, 0, 0, 1, 1, 0, 0, 1, 0, 0, 1, 0, 0, 0, 0, 1] | Dec: (8.76, 1.41) | Aptitud: -78.
   Bits: [1, 1, 1, 1, 0, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 1, 0, 1, 1, 0, 0, 0, 0, 1] | Dec: (8.81, 1.73) | Aptitud: -80.

2. Selección:
   [0, 1, 1, 1, 0, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 1, 1, 1, 0, 0, 0, 0, 0, 1]
   [0, 1, 1, 1, 0, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 1, 1, 1, 0, 0, 0, 0, 0, 1]
   [0, 1, 1, 1, 0, 0, 0, 0, 1, 0, 0, 1, 1, 0, 0, 1, 1, 1, 0, 0, 0, 0, 0, 1]
   [0, 1, 1, 1, 0, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 1, 1, 1, 0, 0, 0, 0, 0, 1]
   [0, 1, 1, 1, 0, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 1, 1, 1, 0, 0, 0, 0, 0, 1]

3. Cruza:
   Cruzando [0, 1, 1, 1, 0, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 1, 1, 1, 0, 0, 0, 0, 0, 1] y [0, 1, 1, 1, 0, 0, 0, 0, 1, 0,
   Cruzando [0, 1, 1, 1, 0, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 1, 1, 1, 0, 0, 0, 0, 0, 1] y [0, 1, 1, 1, 0, 0, 0, 0, 1, 0,
   Cruzando [0, 1, 1, 1, 0, 0, 0, 0, 1, 0, 0, 1, 1, 0, 0, 1, 1, 1, 0, 0, 0, 0, 0, 1] y [0, 1, 1, 1, 0, 0, 0, 0, 1, 0,
   Cruzando [0, 1, 1, 1, 0, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 1, 1, 1, 0, 0, 0, 0, 0, 1] y [0, 1, 1, 1, 0, 0, 0, 0, 1, 0,
   Cruzando [0, 1, 1, 1, 0, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 1, 1, 1, 0, 0, 0, 0, 0, 1] y [0, 1, 1, 1, 0, 0, 0, 0, 1, 0,

4. Mutación:
   ¡Mutación! [0, 1, 1, 1, 0, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 1, 1, 1, 0, 0, 0, 0, 0, 1] -> [0, 1, 1, 1, 0, 1, 0, 0, 1,
   ¡Mutación! [0, 1, 1, 1, 0, 0, 0, 0, 1, 0, 0, 1, 1, 0, 0, 1, 1, 1, 0, 0, 0, 0, 0, 1] -> [0, 1, 0, 1, 0, 0, 0, 0, 1,
--------------------------------------------------

--- GENERACIÓN 9 ---
1. Evaluación:
   Bits: [0, 1, 1, 1, 0, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 0, 0, 0, 1, 0, 0, 0, 0, 1] | Dec: (-1.19, 0.16) | Aptitud: -1.
   Bits: [0, 1, 1, 1, 0, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 1, 1, 1, 0, 0, 0, 0, 0, 1] | Dec: (-1.19, 2.20) | Aptitud: -6.
   Bits: [0, 1, 1, 1, 0, 1, 0, 0, 1, 0, 1, 1, 1, 0, 0, 1, 1, 1, 0, 0, 0, 0, 0, 1] | Dec: (-0.88, 2.20) | Aptitud: -5.
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   Bits: [0, 1, 1, 1, 0, 0, 0, 0, 1, 0, 0, 1, 1, 0, 0, 1, 1, 1, 0, 0, 0, 0, 0, 1] | Dec: (-1.20, 2.20) | Aptitud: -6.
   Bits: [0, 1, 1, 1, 0, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 1, 1, 1, 0, 0, 0, 0, 0, 1] | Dec: (-1.19, 2.20) | Aptitud: -6.
   Bits: [0, 1, 1, 1, 0, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 1, 1, 1, 0, 0, 0, 0, 0, 1] | Dec: (-1.19, 2.20) | Aptitud: -6.
   Bits: [0, 1, 0, 1, 0, 0, 0, 0, 1, 0, 0, 1, 1, 0, 0, 1, 1, 1, 0, 0, 0, 0, 0, 1] | Dec: (-3.70, 2.20) | Aptitud: -18
   Bits: [0, 1, 1, 1, 0, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 1, 1, 1, 0, 0, 0, 0, 0, 1] | Dec: (-1.19, 2.20) | Aptitud: -6.
   Bits: [0, 1, 1, 1, 0, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 1, 1, 1, 0, 0, 0, 0, 0, 1] | Dec: (-1.19, 2.20) | Aptitud: -6.
   Bits: [0, 1, 1, 1, 0, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 1, 1, 1, 0, 0, 0, 0, 0, 1] | Dec: (-1.19, 2.20) | Aptitud: -6.

2. Selección:
   [0, 1, 1, 1, 0, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 1, 1, 1, 0, 0, 0, 0, 0, 1]
   [0, 1, 1, 1, 0, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 1, 1, 1, 0, 0, 0, 0, 0, 1]
   [0, 1, 1, 1, 0, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 1, 1, 1, 0, 0, 0, 0, 0, 1]
   [0, 1, 1, 1, 0, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 1, 1, 1, 0, 0, 0, 0, 0, 1]
   [0, 1, 1, 1, 0, 0, 0, 0, 1, 0, 0, 1, 1, 0, 0, 1, 1, 1, 0, 0, 0, 0, 0, 1]

3. Cruza:
   Cruzando [0, 1, 1, 1, 0, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 1, 1, 1, 0, 0, 0, 0, 0, 1] y [0, 1, 1, 1, 0, 0, 0, 0, 1, 0,
   Cruzando [0, 1, 1, 1, 0, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 1, 1, 1, 0, 0, 0, 0, 0, 1] y [0, 1, 1, 1, 0, 0, 0, 0, 1, 0,
   Cruzando [0, 1, 1, 1, 0, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 1, 1, 1, 0, 0, 0, 0, 0, 1] y [0, 1, 1, 1, 0, 0, 0, 0, 1, 0,
   Cruzando [0, 1, 1, 1, 0, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 1, 1, 1, 0, 0, 0, 0, 0, 1] y [0, 1, 1, 1, 0, 0, 0, 0, 1, 0,
   Cruzando [0, 1, 1, 1, 0, 0, 0, 0, 1, 0, 0, 1, 1, 0, 0, 1, 1, 1, 0, 0, 0, 0, 0, 1] y [0, 1, 1, 1, 0, 0, 0, 0, 1, 0,

4. Mutación:
   ¡Mutación! [0, 1, 1, 1, 0, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 1, 1, 1, 0, 0, 0, 0, 0, 1] -> [0, 1, 1, 1, 0, 0, 0, 0, 1,
   ¡Mutación! [0, 1, 1, 1, 0, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 1, 1, 1, 0, 0, 0, 0, 0, 1] -> [0, 1, 1, 1, 1, 0, 0, 0, 1,
   ¡Mutación! [0, 1, 1, 1, 0, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 1, 1, 1, 0, 0, 0, 0, 0, 1] -> [0, 1, 1, 1, 0, 0, 1, 0, 1,
   ¡Mutación! [0, 1, 1, 1, 0, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 1, 1, 1, 0, 0, 0, 0, 0, 1] -> [0, 1, 1, 1, 0, 0, 0, 0, 1,
   ¡Mutación! [0, 1, 1, 1, 0, 0, 0, 0, 1, 0, 0, 1, 1, 0, 0, 1, 1, 1, 0, 0, 0, 0, 0, 1] -> [1, 1, 1, 1, 0, 0, 0, 0, 1,
   ¡Mutación! [0, 1, 1, 1, 0, 0, 0, 0, 1, 0, 0, 1, 1, 0, 0, 1, 1, 1, 0, 0, 0, 0, 0, 1] -> [0, 1, 1, 1, 1, 0, 0, 0, 1,
--------------------------------------------------

--- GENERACIÓN 10 ---
1. Evaluación:
   Bits: [0, 1, 1, 1, 0, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 0, 0, 0, 1, 0, 0, 0, 0, 1] | Dec: (-1.19, 0.16) | Aptitud: -1.
   Bits: [0, 1, 1, 1, 0, 0, 0, 0, 1, 0, 1, 1, 1, 0, 1, 1, 1, 1, 0, 0, 0, 0, 0, 1] | Dec: (-1.19, 4.70) | Aptitud: -23
   Bits: [0, 1, 1, 1, 1, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 1, 1, 1, 0, 0, 0, 0, 0, 1] | Dec: (-0.57, 2.20) | Aptitud: -5.
   Bits: [0, 1, 1, 1, 0, 0, 1, 0, 1, 0, 1, 1, 1, 0, 0, 1, 1, 1, 0, 0, 0, 0, 0, 1] | Dec: (-1.04, 2.20) | Aptitud: -5.
   Bits: [0, 1, 1, 1, 0, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 1, 1, 1, 0, 0, 0, 0, 0, 1] | Dec: (-1.19, 2.20) | Aptitud: -6.
   Bits: [0, 1, 1, 1, 0, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 1, 1, 0, 0, 0, 0, 0, 0, 1] | Dec: (-1.19, 1.88) | Aptitud: -4.
   Bits: [0, 1, 1, 1, 0, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 1, 1, 1, 0, 0, 0, 0, 0, 1] | Dec: (-1.19, 2.20) | Aptitud: -6.
   Bits: [0, 1, 1, 1, 0, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 1, 1, 1, 0, 0, 0, 0, 0, 1] | Dec: (-1.19, 2.20) | Aptitud: -6.
   Bits: [1, 1, 1, 1, 0, 0, 0, 0, 1, 0, 0, 1, 1, 0, 0, 1, 1, 1, 0, 0, 0, 0, 0, 1] | Dec: (8.80, 2.20) | Aptitud: -82.
   Bits: [0, 1, 1, 1, 1, 0, 0, 0, 1, 0, 0, 1, 1, 0, 0, 1, 1, 1, 0, 0, 0, 0, 0, 1] | Dec: (-0.58, 2.20) | Aptitud: -5.

2. Selección:
   [0, 1, 1, 1, 1, 0, 0, 0, 1, 0, 0, 1, 1, 0, 0, 1, 1, 1, 0, 0, 0, 0, 0, 1]
   [0, 1, 1, 1, 1, 0, 0, 0, 1, 0, 0, 1, 1, 0, 0, 1, 1, 1, 0, 0, 0, 0, 0, 1]
   [0, 1, 1, 1, 0, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 1, 1, 0, 0, 0, 0, 0, 0, 1]
   [0, 1, 1, 1, 0, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 1, 1, 1, 0, 0, 0, 0, 0, 1]
   [0, 1, 1, 1, 1, 0, 0, 0, 1, 0, 0, 1, 1, 0, 0, 1, 1, 1, 0, 0, 0, 0, 0, 1]

3. Cruza:
   Cruzando [0, 1, 1, 1, 1, 0, 0, 0, 1, 0, 0, 1, 1, 0, 0, 1, 1, 1, 0, 0, 0, 0, 0, 1] y [0, 1, 1, 1, 1, 0, 0, 0, 1, 0,
   Cruzando [0, 1, 1, 1, 1, 0, 0, 0, 1, 0, 0, 1, 1, 0, 0, 1, 1, 1, 0, 0, 0, 0, 0, 1] y [0, 1, 1, 1, 0, 0, 0, 0, 1, 0,
   Cruzando [0, 1, 1, 1, 0, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 1, 1, 0, 0, 0, 0, 0, 0, 1] y [0, 1, 1, 1, 0, 0, 0, 0, 1, 0,
   Cruzando [0, 1, 1, 1, 0, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 1, 1, 1, 0, 0, 0, 0, 0, 1] y [0, 1, 1, 1, 1, 0, 0, 0, 1, 0,
   Cruzando [0, 1, 1, 1, 1, 0, 0, 0, 1, 0, 0, 1, 1, 0, 0, 1, 1, 1, 0, 0, 0, 0, 0, 1] y [0, 1, 1, 1, 1, 0, 0, 0, 1, 0,

4. Mutación:
   ¡Mutación! [0, 1, 1, 1, 0, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 1, 1, 0, 0, 0, 0, 0, 0, 1] -> [0, 1, 1, 1, 0, 1, 0, 0, 1,
   ¡Mutación! [0, 1, 1, 1, 0, 0, 0, 0, 1, 0, 0, 1, 1, 0, 0, 1, 1, 1, 0, 0, 0, 0, 0, 1] -> [0, 1, 1, 1, 0, 0, 0, 0, 0,
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--- GENERACIÓN 11 ---
1. Evaluación:
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   Bits: [0, 1, 1, 1, 0, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 0, 0, 0, 1, 0, 0, 0, 0, 1] | Dec: (-1.19, 0.16) | Aptitud: -1.
   Bits: [0, 1, 1, 1, 1, 0, 0, 0, 1, 0, 0, 1, 1, 0, 0, 1, 1, 1, 0, 0, 0, 0, 0, 1] | Dec: (-0.58, 2.20) | Aptitud: -5.
   Bits: [0, 1, 1, 1, 1, 0, 0, 0, 1, 0, 0, 1, 1, 0, 0, 1, 1, 1, 0, 0, 0, 0, 0, 1] | Dec: (-0.58, 2.20) | Aptitud: -5.
   Bits: [0, 1, 1, 1, 1, 0, 0, 0, 1, 0, 0, 1, 1, 0, 0, 1, 1, 1, 0, 0, 0, 0, 0, 1] | Dec: (-0.58, 2.20) | Aptitud: -5.
   Bits: [0, 1, 1, 1, 0, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 1, 1, 0, 0, 0, 0, 0, 0, 1] | Dec: (-1.19, 1.88) | Aptitud: -4.
   Bits: [0, 1, 1, 1, 0, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 1, 1, 1, 0, 0, 0, 0, 0, 1] | Dec: (-1.19, 2.20) | Aptitud: -6.
   Bits: [0, 1, 1, 1, 0, 1, 0, 0, 1, 0, 1, 1, 1, 0, 0, 1, 1, 0, 0, 0, 0, 0, 0, 1] | Dec: (-0.88, 1.88) | Aptitud: -4.
   Bits: [0, 1, 1, 1, 0, 0, 0, 0, 0, 0, 0, 1, 1, 0, 0, 1, 1, 1, 0, 0, 0, 0, 0, 1] | Dec: (-1.24, 2.20) | Aptitud: -6.
   Bits: [0, 1, 1, 1, 1, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 1, 1, 1, 0, 0, 0, 0, 0, 1] | Dec: (-0.57, 2.20) | Aptitud: -5.
   Bits: [0, 1, 1, 1, 1, 0, 0, 0, 1, 0, 0, 1, 1, 0, 0, 1, 1, 1, 0, 0, 0, 0, 0, 1] | Dec: (-0.58, 2.20) | Aptitud: -5.

2. Selección:
   [0, 1, 1, 1, 1, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 1, 1, 1, 0, 0, 0, 0, 0, 1]
   [0, 1, 1, 1, 1, 0, 0, 0, 1, 0, 0, 1, 1, 0, 0, 1, 1, 1, 0, 0, 0, 0, 0, 1]
   [0, 1, 1, 1, 1, 0, 0, 0, 1, 0, 0, 1, 1, 0, 0, 1, 1, 1, 0, 0, 0, 0, 0, 1]
   [0, 1, 1, 1, 1, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 1, 1, 1, 0, 0, 0, 0, 0, 1]
   [0, 1, 1, 1, 1, 0, 0, 0, 1, 0, 0, 1, 1, 0, 0, 1, 1, 1, 0, 0, 0, 0, 0, 1]

3. Cruza:
   Cruzando [0, 1, 1, 1, 1, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 1, 1, 1, 0, 0, 0, 0, 0, 1] y [0, 1, 1, 1, 1, 0, 0, 0, 1, 0,
   Cruzando [0, 1, 1, 1, 1, 0, 0, 0, 1, 0, 0, 1, 1, 0, 0, 1, 1, 1, 0, 0, 0, 0, 0, 1] y [0, 1, 1, 1, 1, 0, 0, 0, 1, 0,
   Cruzando [0, 1, 1, 1, 1, 0, 0, 0, 1, 0, 0, 1, 1, 0, 0, 1, 1, 1, 0, 0, 0, 0, 0, 1] y [0, 1, 1, 1, 1, 0, 0, 0, 1, 0,
   Cruzando [0, 1, 1, 1, 1, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 1, 1, 1, 0, 0, 0, 0, 0, 1] y [0, 1, 1, 1, 1, 0, 0, 0, 1, 0,
   Cruzando [0, 1, 1, 1, 1, 0, 0, 0, 1, 0, 0, 1, 1, 0, 0, 1, 1, 1, 0, 0, 0, 0, 0, 1] y [0, 1, 1, 1, 1, 0, 0, 0, 1, 0,

4. Mutación:
   ¡Mutación! [0, 1, 1, 1, 1, 0, 0, 0, 1, 0, 0, 1, 1, 0, 0, 1, 1, 1, 0, 0, 0, 0, 0, 1] -> [0, 1, 0, 1, 1, 0, 0, 0, 1,
   ¡Mutación! [0, 1, 1, 1, 1, 0, 0, 0, 1, 0, 0, 1, 1, 0, 0, 1, 1, 1, 0, 0, 0, 0, 0, 1] -> [0, 1, 1, 1, 1, 0, 0, 0, 1,
   ¡Mutación! [0, 1, 1, 1, 1, 0, 0, 0, 1, 0, 0, 1, 1, 0, 0, 1, 1, 1, 0, 0, 0, 0, 0, 1] -> [0, 1, 1, 1, 1, 0, 0, 0, 1,
--------------------------------------------------

--- GENERACIÓN 12 ---
1. Evaluación:
   Bits: [0, 1, 1, 1, 0, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 0, 0, 0, 1, 0, 0, 0, 0, 1] | Dec: (-1.19, 0.16) | Aptitud: -1.
   Bits: [0, 1, 1, 1, 1, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 1, 1, 1, 0, 0, 0, 0, 0, 1] | Dec: (-0.57, 2.20) | Aptitud: -5.
   Bits: [0, 1, 1, 1, 1, 0, 0, 0, 1, 0, 0, 1, 1, 0, 0, 1, 1, 1, 0, 0, 0, 0, 0, 1] | Dec: (-0.58, 2.20) | Aptitud: -5.
   Bits: [0, 1, 0, 1, 1, 0, 0, 0, 1, 0, 0, 1, 1, 0, 0, 1, 1, 1, 0, 0, 0, 0, 0, 1] | Dec: (-3.08, 2.20) | Aptitud: -14
   Bits: [0, 1, 1, 1, 1, 0, 0, 0, 1, 0, 0, 1, 1, 0, 0, 1, 1, 1, 0, 0, 0, 0, 1, 1] | Dec: (-0.58, 2.21) | Aptitud: -5.
   Bits: [0, 1, 1, 1, 1, 0, 0, 0, 1, 0, 0, 1, 1, 0, 0, 1, 1, 1, 0, 0, 0, 0, 0, 1] | Dec: (-0.58, 2.20) | Aptitud: -5.
   Bits: [0, 1, 1, 1, 1, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 1, 1, 1, 0, 0, 0, 0, 0, 1] | Dec: (-0.57, 2.20) | Aptitud: -5.
   Bits: [0, 1, 1, 1, 1, 0, 0, 0, 1, 0, 0, 1, 1, 0, 0, 1, 1, 1, 0, 0, 0, 0, 0, 1] | Dec: (-0.58, 2.20) | Aptitud: -5.
   Bits: [0, 1, 1, 1, 1, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 1, 1, 1, 0, 0, 0, 0, 0, 1] | Dec: (-0.57, 2.20) | Aptitud: -5.
   Bits: [0, 1, 1, 1, 1, 0, 0, 0, 1, 1, 0, 1, 1, 0, 0, 1, 1, 1, 0, 0, 0, 0, 0, 1] | Dec: (-0.56, 2.20) | Aptitud: -5.

2. Selección:
   [0, 1, 0, 1, 1, 0, 0, 0, 1, 0, 0, 1, 1, 0, 0, 1, 1, 1, 0, 0, 0, 0, 0, 1]
   [0, 1, 1, 1, 0, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 0, 0, 0, 1, 0, 0, 0, 0, 1]
   [0, 1, 1, 1, 1, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 1, 1, 1, 0, 0, 0, 0, 0, 1]
   [0, 1, 1, 1, 1, 0, 0, 0, 1, 0, 0, 1, 1, 0, 0, 1, 1, 1, 0, 0, 0, 0, 0, 1]
   [0, 1, 1, 1, 1, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 1, 1, 1, 0, 0, 0, 0, 0, 1]

3. Cruza:
   Cruzando [0, 1, 0, 1, 1, 0, 0, 0, 1, 0, 0, 1, 1, 0, 0, 1, 1, 1, 0, 0, 0, 0, 0, 1] y [0, 1, 1, 1, 0, 0, 0, 0, 1, 0,
   Cruzando [0, 1, 1, 1, 0, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 0, 0, 0, 1, 0, 0, 0, 0, 1] y [0, 1, 1, 1, 1, 0, 0, 0, 1, 0,
   Cruzando [0, 1, 1, 1, 1, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 1, 1, 1, 0, 0, 0, 0, 0, 1] y [0, 1, 1, 1, 1, 0, 0, 0, 1, 0,
   Cruzando [0, 1, 1, 1, 1, 0, 0, 0, 1, 0, 0, 1, 1, 0, 0, 1, 1, 1, 0, 0, 0, 0, 0, 1] y [0, 1, 1, 1, 1, 0, 0, 0, 1, 0,
   Cruzando [0, 1, 1, 1, 1, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 1, 1, 1, 0, 0, 0, 0, 0, 1] y [0, 1, 0, 1, 1, 0, 0, 0, 1, 0,

4. Mutación:
   ¡Mutación! [0, 1, 0, 1, 1, 0, 0, 0, 1, 0, 0, 1, 1, 0, 0, 1, 1, 1, 0, 0, 0, 0, 0, 1] -> [1, 1, 0, 1, 1, 0, 0, 0, 1,
   ¡Mutación! [0, 1, 1, 1, 1, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 1, 1, 1, 0, 0, 0, 0, 0, 1] -> [0, 1, 1, 1, 1, 0, 0, 0, 1,
   ¡Mutación! [0, 1, 1, 1, 1, 0, 0, 0, 1, 0, 0, 1, 1, 0, 0, 1, 1, 1, 0, 0, 0, 0, 0, 1] -> [0, 1, 1, 0, 1, 0, 0, 0, 1,
   ¡Mutación! [0, 1, 1, 1, 1, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 1, 1, 1, 0, 0, 0, 0, 0, 1] -> [0, 1, 1, 1, 1, 0, 0, 0, 1,
--------------------------------------------------
```

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--- GENERACIÓN 13 ---
1. Evaluación:
   Bits: [0, 1, 1, 1, 0, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 0, 0, 0, 1, 0, 0, 0, 0, 1] | Dec: (-1.19, 0.16) | Aptitud: -1.
   Bits: [1, 1, 0, 1, 1, 0, 0, 0, 1, 0, 0, 1, 1, 0, 0, 1, 1, 1, 0, 0, 0, 0, 0, 1] | Dec: (6.92, 2.20) | Aptitud: -52.
   Bits: [0, 1, 1, 1, 0, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 0, 0, 0, 1, 0, 0, 0, 0, 1] | Dec: (-1.19, 0.16) | Aptitud: -1.
   Bits: [0, 1, 1, 1, 0, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1] | Dec: (-1.19, 0.01) | Aptitud: -1.
   Bits: [0, 1, 1, 1, 1, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 1, 1, 1, 1, 0, 0, 0, 0, 1] | Dec: (-0.57, 2.35) | Aptitud: -5.
   Bits: [0, 1, 1, 1, 1, 0, 0, 0, 1, 0, 1, 1, 1, 1, 0, 1, 1, 1, 0, 0, 0, 0, 0, 1] | Dec: (-0.57, 7.20) | Aptitud: -52
   Bits: [0, 1, 1, 0, 1, 0, 0, 0, 1, 0, 0, 1, 1, 0, 0, 1, 1, 1, 0, 0, 0, 0, 0, 1] | Dec: (-1.83, 2.20) | Aptitud: -8.
   Bits: [0, 1, 1, 1, 1, 0, 0, 0, 1, 0, 0, 1, 1, 0, 0, 1, 1, 1, 0, 0, 0, 0, 0, 1] | Dec: (-0.58, 2.20) | Aptitud: -5.
   Bits: [0, 1, 1, 1, 1, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 1, 1, 1, 1, 0, 0, 0, 0, 1] | Dec: (-0.57, 2.35) | Aptitud: -5.
   Bits: [0, 1, 1, 1, 1, 0, 0, 0, 1, 0, 0, 1, 1, 0, 0, 1, 1, 1, 0, 0, 0, 0, 0, 1] | Dec: (-0.58, 2.20) | Aptitud: -5.

2. Selección:
   [0, 1, 1, 1, 1, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 1, 1, 1, 1, 0, 0, 0, 0, 1]
   [0, 1, 1, 0, 1, 0, 0, 0, 1, 0, 0, 1, 1, 0, 0, 1, 1, 1, 0, 0, 0, 0, 0, 1]
   [0, 1, 1, 0, 1, 0, 0, 0, 1, 0, 0, 1, 1, 0, 0, 1, 1, 1, 0, 0, 0, 0, 0, 1]
   [0, 1, 1, 1, 1, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 1, 1, 1, 1, 0, 0, 0, 0, 1]
   [0, 1, 1, 1, 0, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1]

3. Cruza:
   Cruzando [0, 1, 1, 1, 1, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 1, 1, 1, 1, 0, 0, 0, 0, 1] y [0, 1, 1, 0, 1, 0, 0, 0, 1, 0,
   Cruzando [0, 1, 1, 0, 1, 0, 0, 0, 1, 0, 0, 1, 1, 0, 0, 1, 1, 1, 0, 0, 0, 0, 0, 1] y [0, 1, 1, 0, 1, 0, 0, 0, 1, 0,
   Cruzando [0, 1, 1, 0, 1, 0, 0, 0, 1, 0, 0, 1, 1, 0, 0, 1, 1, 1, 0, 0, 0, 0, 0, 1] y [0, 1, 1, 1, 1, 0, 0, 0, 1, 0,
   Cruzando [0, 1, 1, 1, 1, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 1, 1, 1, 1, 0, 0, 0, 0, 1] y [0, 1, 1, 1, 0, 0, 0, 0, 1, 0,
   Cruzando [0, 1, 1, 1, 0, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1] y [0, 1, 1, 1, 1, 0, 0, 0, 1, 0,

4. Mutación:
   ¡Mutación! [0, 1, 1, 1, 1, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 1, 1, 1, 1, 0, 0, 0, 0, 1] -> [0, 1, 1, 1, 1, 0, 0, 0, 1,
   ¡Mutación! [0, 1, 1, 0, 1, 0, 0, 0, 1, 0, 0, 1, 1, 0, 0, 1, 1, 1, 1, 0, 0, 0, 0, 1] -> [0, 1, 1, 0, 1, 0, 0, 0, 1,
   ¡Mutación! [0, 1, 1, 1, 0, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1] -> [0, 1, 1, 1, 0, 0, 0, 1, 1,
--------------------------------------------------

--- GENERACIÓN 14 ---
1. Evaluación:
   Bits: [0, 1, 1, 1, 0, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1] | Dec: (-1.19, 0.01) | Aptitud: -1.
   Bits: [0, 1, 1, 1, 1, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 1, 1, 1, 1, 0, 0, 0, 0, 0] | Dec: (-0.57, 2.35) | Aptitud: -5.
   Bits: [0, 1, 1, 0, 1, 0, 0, 0, 1, 0, 0, 1, 1, 0, 0, 1, 1, 1, 0, 0, 0, 0, 0, 1] | Dec: (-1.83, 2.20) | Aptitud: -8.
   Bits: [0, 1, 1, 0, 1, 0, 0, 0, 1, 0, 0, 1, 1, 0, 0, 1, 1, 1, 0, 0, 0, 0, 0, 1] | Dec: (-1.83, 2.20) | Aptitud: -8.
   Bits: [0, 1, 1, 0, 1, 0, 0, 0, 1, 0, 0, 1, 1, 0, 0, 1, 1, 1, 0, 0, 0, 0, 0, 1] | Dec: (-1.83, 2.20) | Aptitud: -8.
   Bits: [0, 1, 1, 0, 1, 0, 0, 0, 1, 0, 0, 0, 1, 0, 0, 1, 1, 1, 1, 0, 0, 0, 0, 1] | Dec: (-1.83, 2.35) | Aptitud: -8.
   Bits: [0, 1, 1, 1, 1, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 1, 1, 1, 0, 0, 0, 0, 0, 1] | Dec: (-0.57, 2.20) | Aptitud: -5.
   Bits: [0, 1, 1, 1, 1, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 1, 0, 0, 0, 0, 0, 0, 0, 1] | Dec: (-0.57, 1.26) | Aptitud: -1.
   Bits: [0, 1, 1, 1, 0, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 0, 1, 1, 1, 0, 0, 0, 0, 1] | Dec: (-1.19, 1.10) | Aptitud: -2.
   Bits: [0, 1, 1, 1, 0, 0, 0, 1, 1, 0, 1, 1, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1] | Dec: (-1.12, 0.01) | Aptitud: -1.

2. Selección:
   [0, 1, 1, 1, 0, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 0, 1, 1, 1, 0, 0, 0, 0, 1]
   [0, 1, 1, 1, 0, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1]
   [0, 1, 1, 0, 1, 0, 0, 0, 1, 0, 0, 1, 1, 0, 0, 1, 1, 1, 0, 0, 0, 0, 0, 1]
   [0, 1, 1, 1, 0, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 0, 1, 1, 1, 0, 0, 0, 0, 1]
   [0, 1, 1, 1, 0, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1]

3. Cruza:
   Cruzando [0, 1, 1, 1, 0, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 0, 1, 1, 1, 0, 0, 0, 0, 1] y [0, 1, 1, 1, 0, 0, 0, 0, 1, 0,
   Cruzando [0, 1, 1, 1, 0, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1] y [0, 1, 1, 0, 1, 0, 0, 0, 1, 0,
   Cruzando [0, 1, 1, 0, 1, 0, 0, 0, 1, 0, 0, 1, 1, 0, 0, 1, 1, 1, 0, 0, 0, 0, 0, 1] y [0, 1, 1, 1, 0, 0, 0, 0, 1, 0,
   Cruzando [0, 1, 1, 1, 0, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 0, 1, 1, 1, 0, 0, 0, 0, 1] y [0, 1, 1, 1, 0, 0, 0, 0, 1, 0,
   Cruzando [0, 1, 1, 1, 0, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1] y [0, 1, 1, 1, 0, 0, 0, 0, 1, 0,

4. Mutación:
   ¡Mutación! [0, 1, 1, 1, 1, 0, 0, 0, 1, 0, 0, 1, 1, 0, 0, 1, 1, 1, 0, 0, 0, 0, 0, 1] -> [0, 1, 1, 1, 1, 1, 0, 0, 1,
   ¡Mutación! [0, 1, 1, 0, 0, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 0, 1, 1, 1, 0, 0, 0, 0, 1] -> [0, 1, 1, 0, 0, 0, 0, 1, 1,
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--- GENERACIÓN 15 ---
1. Evaluación:
   Bits: [0, 1, 1, 1, 0, 0, 0, 1, 1, 0, 1, 1, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1] | Dec: (-1.12, 0.01) | Aptitud: -1.
   Bits: [0, 1, 1, 1, 0, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 0, 1, 1, 1, 0, 0, 0, 0, 1] | Dec: (-1.19, 1.10) | Aptitud: -2.
   Bits: [0, 1, 1, 1, 0, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1] | Dec: (-1.19, 0.01) | Aptitud: -1.
   Bits: [0, 1, 1, 1, 1, 1, 0, 0, 1, 0, 0, 1, 1, 0, 0, 1, 1, 1, 0, 0, 0, 0, 0, 1] | Dec: (-0.27, 2.20) | Aptitud: -4.
   Bits: [0, 1, 1, 0, 0, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1] | Dec: (-2.44, 0.01) | Aptitud: -5.
   Bits: [0, 1, 1, 0, 0, 0, 0, 1, 1, 0, 1, 1, 1, 0, 0, 0, 1, 1, 1, 0, 0, 0, 0, 1] | Dec: (-2.37, 1.10) | Aptitud: -6.
   Bits: [0, 1, 1, 1, 1, 0, 0, 0, 1, 0, 0, 1, 1, 0, 0, 1, 1, 1, 0, 0, 0, 0, 0, 1] | Dec: (-0.58, 2.20) | Aptitud: -5.
   Bits: [0, 1, 1, 1, 0, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1] | Dec: (-1.19, 0.01) | Aptitud: -1.
   Bits: [0, 1, 1, 1, 0, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 0, 1, 1, 1, 0, 0, 0, 0, 1] | Dec: (-1.19, 1.10) | Aptitud: -2.
   Bits: [0, 1, 1, 1, 0, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 0, 1, 1, 1, 0, 0, 0, 0, 1] | Dec: (-1.19, 1.10) | Aptitud: -2.

2. Selección:
   [0, 1, 1, 1, 0, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1]
   [0, 1, 1, 1, 0, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1]
   [0, 1, 1, 1, 1, 0, 0, 0, 1, 0, 0, 1, 1, 0, 0, 1, 1, 1, 0, 0, 0, 0, 0, 1]
   [0, 1, 1, 0, 0, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1]
   [0, 1, 1, 1, 0, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 0, 1, 1, 1, 0, 0, 0, 0, 1]

3. Cruza:
   Cruzando [0, 1, 1, 1, 0, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1] y [0, 1, 1, 1, 0, 0, 0, 0, 1, 0,
   Cruzando [0, 1, 1, 1, 0, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1] y [0, 1, 1, 1, 1, 0, 0, 0, 1, 0,
   Cruzando [0, 1, 1, 1, 1, 0, 0, 0, 1, 0, 0, 1, 1, 0, 0, 1, 1, 1, 0, 0, 0, 0, 0, 1] y [0, 1, 1, 0, 0, 0, 0, 0, 1, 0,
   Cruzando [0, 1, 1, 0, 0, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1] y [0, 1, 1, 1, 0, 0, 0, 0, 1, 0,
   Cruzando [0, 1, 1, 1, 0, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 0, 1, 1, 1, 0, 0, 0, 0, 1] y [0, 1, 1, 1, 0, 0, 0, 0, 1, 0,

4. Mutación:
   ¡Mutación! [0, 1, 1, 1, 0, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1] -> [0, 1, 1, 1, 0, 0, 0, 0, 1,
   ¡Mutación! [0, 1, 1, 1, 0, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1] -> [0, 1, 1, 1, 0, 0, 0, 0, 1,
   ¡Mutación! [0, 1, 1, 1, 0, 0, 0, 0, 1, 0, 0, 1, 1, 0, 0, 1, 1, 1, 0, 0, 0, 0, 0, 1] -> [0, 1, 1, 1, 0, 0, 1, 0, 1,
--------------------------------------------------

--- GENERACIÓN 16 ---
1. Evaluación:
   Bits: [0, 1, 1, 1, 0, 0, 0, 1, 1, 0, 1, 1, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1] | Dec: (-1.12, 0.01) | Aptitud: -1.
   Bits: [0, 1, 1, 1, 0, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 0, 0, 0, 0, 0, 1, 0, 0, 1] | Dec: (-1.19, 0.05) | Aptitud: -1.
   Bits: [0, 1, 1, 1, 0, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0] | Dec: (-1.19, 0.00) | Aptitud: -1.
   Bits: [0, 1, 1, 1, 0, 0, 1, 0, 1, 0, 0, 1, 1, 0, 0, 1, 1, 1, 0, 0, 0, 0, 0, 1] | Dec: (-1.05, 2.20) | Aptitud: -5.
   Bits: [0, 1, 1, 1, 1, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1] | Dec: (-0.57, 0.01) | Aptitud: -0.
   Bits: [0, 1, 1, 1, 1, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1] | Dec: (-0.57, 0.01) | Aptitud: -0.
   Bits: [0, 1, 1, 0, 0, 0, 0, 0, 1, 0, 0, 1, 1, 0, 0, 1, 1, 1, 0, 0, 0, 0, 0, 1] | Dec: (-2.45, 2.20) | Aptitud: -10
   Bits: [0, 1, 1, 0, 0, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 0, 1, 1, 1, 0, 0, 0, 0, 1] | Dec: (-2.44, 1.10) | Aptitud: -7.
   Bits: [0, 1, 1, 1, 0, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1] | Dec: (-1.19, 0.01) | Aptitud: -1.
   Bits: [0, 1, 1, 1, 0, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1] | Dec: (-1.19, 0.01) | Aptitud: -1.

2. Selección:
   [0, 1, 1, 0, 0, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 0, 1, 1, 1, 0, 0, 0, 0, 1]
   [0, 1, 1, 0, 0, 0, 0, 0, 1, 0, 0, 1, 1, 0, 0, 1, 1, 1, 0, 0, 0, 0, 0, 1]
   [0, 1, 1, 1, 1, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1]
   [0, 1, 1, 1, 1, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1]
   [0, 1, 1, 1, 0, 0, 0, 1, 1, 0, 1, 1, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1]

3. Cruza:
   Cruzando [0, 1, 1, 0, 0, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 0, 1, 1, 1, 0, 0, 0, 0, 1] y [0, 1, 1, 0, 0, 0, 0, 0, 1, 0,
   Cruzando [0, 1, 1, 0, 0, 0, 0, 0, 1, 0, 0, 1, 1, 0, 0, 1, 1, 1, 0, 0, 0, 0, 0, 1] y [0, 1, 1, 1, 1, 0, 0, 0, 1, 0,
   Cruzando [0, 1, 1, 1, 1, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1] y [0, 1, 1, 1, 1, 0, 0, 0, 1, 0,
   Cruzando [0, 1, 1, 1, 1, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1] y [0, 1, 1, 1, 0, 0, 0, 1, 1, 0,
   Cruzando [0, 1, 1, 1, 0, 0, 0, 1, 1, 0, 1, 1, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1] y [0, 1, 1, 0, 0, 0, 0, 0, 1, 0,

4. Mutación:
   ¡Mutación! [0, 1, 1, 1, 1, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1] -> [0, 1, 1, 1, 1, 0, 0, 0, 1,
--------------------------------------------------

--- GENERACIÓN 17 ---
```

```
1. Evaluación:
   Bits: [0, 1, 1, 1, 1, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1] | Dec: (-0.57, 0.01) | Aptitud: -0.
   Bits: [0, 1, 1, 0, 0, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 0, 1, 1, 0, 0, 0, 0, 0, 1] | Dec: (-2.44, 0.95) | Aptitud: -6.
   Bits: [0, 1, 1, 0, 0, 0, 0, 0, 1, 0, 0, 1, 1, 0, 0, 1, 1, 1, 1, 0, 0, 0, 0, 1] | Dec: (-2.45, 2.35) | Aptitud: -11
   Bits: [0, 1, 1, 0, 0, 0, 0, 0, 1, 0, 0, 1, 1, 0, 0, 1, 1, 1, 0, 0, 0, 0, 0, 1] | Dec: (-2.45, 2.20) | Aptitud: -10
   Bits: [0, 1, 1, 1, 1, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1] | Dec: (-0.57, 0.01) | Aptitud: -0.
   Bits: [0, 1, 1, 1, 1, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1] | Dec: (-0.57, 0.01) | Aptitud: -0.
   Bits: [0, 1, 1, 1, 1, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 0, 0, 1, 0, 0, 0, 0, 0, 1] | Dec: (-0.57, 0.32) | Aptitud: -0.
   Bits: [0, 1, 1, 1, 1, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1] | Dec: (-0.57, 0.01) | Aptitud: -0.
   Bits: [0, 1, 1, 1, 0, 0, 0, 1, 1, 0, 1, 1, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1] | Dec: (-1.12, 0.01) | Aptitud: -1.
   Bits: [0, 1, 1, 1, 0, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 0, 1, 1, 1, 0, 0, 0, 0, 1] | Dec: (-1.19, 1.10) | Aptitud: -2.

2. Selección:
   [0, 1, 1, 0, 0, 0, 0, 0, 1, 0, 0, 1, 1, 0, 0, 1, 1, 1, 1, 0, 0, 0, 0, 1]
   [0, 1, 1, 1, 1, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1]
   [0, 1, 1, 0, 0, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 0, 1, 1, 0, 0, 0, 0, 0, 1]
   [0, 1, 1, 1, 1, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1]
   [0, 1, 1, 0, 0, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 0, 1, 1, 0, 0, 0, 0, 0, 1]

3. Cruza:
   Cruzando [0, 1, 1, 0, 0, 0, 0, 0, 1, 0, 0, 1, 1, 0, 0, 1, 1, 1, 1, 0, 0, 0, 0, 1] y [0, 1, 1, 1, 1, 0, 0, 0, 1, 0,
   Cruzando [0, 1, 1, 1, 1, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1] y [0, 1, 1, 0, 0, 0, 0, 0, 1, 0,
   Cruzando [0, 1, 1, 0, 0, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 0, 1, 1, 0, 0, 0, 0, 0, 1] y [0, 1, 1, 1, 1, 0, 0, 0, 1, 0,
   Cruzando [0, 1, 1, 1, 1, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1] y [0, 1, 1, 0, 0, 0, 0, 0, 1, 0,
   Cruzando [0, 1, 1, 0, 0, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 0, 1, 1, 0, 0, 0, 0, 0, 1] y [0, 1, 1, 0, 0, 0, 0, 0, 1, 0,

4. Mutación:
   ¡Mutación! [0, 1, 1, 0, 0, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 0, 1, 1, 0, 0, 0, 0, 0, 1] -> [0, 1, 1, 0, 0, 0, 1, 0, 1,
   ¡Mutación! [0, 1, 1, 1, 1, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 0, 1, 1, 0, 0, 0, 0, 0, 1] -> [0, 1, 1, 1, 1, 1, 0, 0, 1,
--------------------------------------------------

--- GENERACIÓN 18 ---
1. Evaluación:
   Bits: [0, 1, 1, 1, 1, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1] | Dec: (-0.57, 0.01) | Aptitud: -0.
   Bits: [0, 1, 1, 0, 0, 0, 0, 0, 1, 0, 0, 1, 1, 0, 0, 1, 0, 0, 0, 0, 0, 0, 0, 1] | Dec: (-2.45, 1.26) | Aptitud: -7.
   Bits: [0, 1, 1, 1, 1, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 0, 1, 1, 1, 0, 0, 0, 0, 1] | Dec: (-0.57, 1.10) | Aptitud: -1.
   Bits: [0, 1, 1, 1, 1, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1] | Dec: (-0.57, 0.01) | Aptitud: -0.
   Bits: [0, 1, 1, 0, 0, 0, 1, 0, 1, 0, 1, 1, 1, 0, 0, 0, 1, 1, 0, 0, 0, 0, 0, 1] | Dec: (-2.29, 0.95) | Aptitud: -6.
   Bits: [0, 1, 1, 0, 0, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1] | Dec: (-2.44, 0.01) | Aptitud: -5.
   Bits: [0, 1, 1, 1, 1, 1, 0, 0, 1, 0, 1, 1, 1, 0, 0, 0, 1, 1, 0, 0, 0, 0, 0, 1] | Dec: (-0.26, 0.95) | Aptitud: -0.
   Bits: [0, 1, 1, 1, 1, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 0, 1, 1, 0, 0, 0, 0, 0, 1] | Dec: (-0.57, 0.95) | Aptitud: -1.
   Bits: [0, 1, 1, 0, 0, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1] | Dec: (-2.44, 0.01) | Aptitud: -5.
   Bits: [0, 1, 1, 0, 0, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 0, 1, 1, 0, 0, 0, 0, 0, 1] | Dec: (-2.44, 0.95) | Aptitud: -6.

2. Selección:
   [0, 1, 1, 1, 1, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1]
   [0, 1, 1, 1, 1, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 0, 1, 1, 1, 0, 0, 0, 0, 1]
   [0, 1, 1, 0, 0, 0, 0, 0, 1, 0, 0, 1, 1, 0, 0, 1, 0, 0, 0, 0, 0, 0, 0, 1]
   [0, 1, 1, 0, 0, 0, 0, 0, 1, 0, 0, 1, 1, 0, 0, 1, 0, 0, 0, 0, 0, 0, 0, 1]
   [0, 1, 1, 1, 1, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1]

3. Cruza:
   Cruzando [0, 1, 1, 1, 1, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1] y [0, 1, 1, 1, 1, 0, 0, 0, 1, 0,
   Cruzando [0, 1, 1, 1, 1, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 0, 1, 1, 1, 0, 0, 0, 0, 1] y [0, 1, 1, 0, 0, 0, 0, 0, 1, 0,
   Cruzando [0, 1, 1, 0, 0, 0, 0, 0, 1, 0, 0, 1, 1, 0, 0, 1, 0, 0, 0, 0, 0, 0, 0, 1] y [0, 1, 1, 0, 0, 0, 0, 0, 1, 0,
   Cruzando [0, 1, 1, 0, 0, 0, 0, 0, 1, 0, 0, 1, 1, 0, 0, 1, 0, 0, 0, 0, 0, 0, 0, 1] y [0, 1, 1, 1, 1, 0, 0, 0, 1, 0,
   Cruzando [0, 1, 1, 1, 1, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1] y [0, 1, 1, 1, 1, 0, 0, 0, 1, 0,

4. Mutación:
   ¡Mutación! [0, 1, 1, 1, 1, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1] -> [0, 1, 1, 1, 1, 0, 0, 0, 1,
   ¡Mutación! [0, 1, 1, 0, 0, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1] -> [1, 1, 1, 0, 0, 0, 0, 0, 1,
--------------------------------------------------

--- GENERACIÓN 19 ---
1. Evaluación:
```

```
   Bits: [0, 1, 1, 1, 1, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1] | Dec: (-0.57, 0.01) | Aptitud: -0.
   Bits: [0, 1, 1, 1, 1, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 1, 0, 0, 0, 0, 0, 0, 0, 1] | Dec: (-0.57, 1.26) | Aptitud: -1.
   Bits: [0, 1, 1, 1, 1, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 0, 1, 1, 1, 0, 0, 0, 0, 1] | Dec: (-0.57, 1.10) | Aptitud: -1.
   Bits: [0, 1, 1, 1, 1, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 0, 1, 1, 1, 0, 0, 0, 0, 1] | Dec: (-0.57, 1.10) | Aptitud: -1.
   Bits: [0, 1, 1, 0, 0, 0, 0, 0, 1, 0, 0, 1, 1, 0, 0, 1, 0, 0, 0, 0, 0, 0, 0, 1] | Dec: (-2.45, 1.26) | Aptitud: -7.
   Bits: [0, 1, 1, 0, 0, 0, 0, 0, 1, 0, 0, 1, 1, 0, 0, 1, 0, 0, 0, 0, 0, 0, 0, 1] | Dec: (-2.45, 1.26) | Aptitud: -7.
   Bits: [0, 1, 1, 0, 0, 0, 0, 0, 1, 0, 0, 1, 1, 0, 0, 1, 0, 0, 0, 0, 0, 0, 0, 1] | Dec: (-2.45, 1.26) | Aptitud: -7.
   Bits: [1, 1, 1, 0, 0, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1] | Dec: (7.56, 0.01) | Aptitud: -57.
   Bits: [0, 1, 1, 1, 1, 0, 0, 0, 1, 0, 0, 1, 1, 0, 0, 1, 0, 0, 0, 0, 0, 0, 0, 1] | Dec: (-0.58, 1.26) | Aptitud: -1.
   Bits: [0, 1, 1, 1, 1, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1] | Dec: (-0.57, 0.01) | Aptitud: -0.

2. Selección:
   [0, 1, 1, 1, 1, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1]
   [0, 1, 1, 1, 1, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 0, 1, 1, 1, 0, 0, 0, 0, 1]
   [0, 1, 1, 1, 1, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 0, 1, 1, 1, 0, 0, 0, 0, 1]
   [0, 1, 1, 1, 1, 0, 0, 0, 1, 0, 0, 1, 1, 0, 0, 1, 0, 0, 0, 0, 0, 0, 0, 1]
   [0, 1, 1, 0, 0, 0, 0, 0, 1, 0, 0, 1, 1, 0, 0, 1, 0, 0, 0, 0, 0, 0, 0, 1]

3. Cruza:
   Cruzando [0, 1, 1, 1, 1, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1] y [0, 1, 1, 1, 1, 0, 0, 0, 1, 0,
   Cruzando [0, 1, 1, 1, 1, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 0, 1, 1, 1, 0, 0, 0, 0, 1] y [0, 1, 1, 1, 1, 0, 0, 0, 1, 0,
   Cruzando [0, 1, 1, 1, 1, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 0, 1, 1, 1, 0, 0, 0, 0, 1] y [0, 1, 1, 1, 1, 0, 0, 0, 1, 0,
   Cruzando [0, 1, 1, 1, 1, 0, 0, 0, 1, 0, 0, 1, 1, 0, 0, 1, 0, 0, 0, 0, 0, 0, 0, 1] y [0, 1, 1, 0, 0, 0, 0, 0, 1, 0,
   Cruzando [0, 1, 1, 0, 0, 0, 0, 0, 1, 0, 0, 1, 1, 0, 0, 1, 0, 0, 0, 0, 0, 0, 0, 1] y [0, 1, 1, 1, 1, 0, 0, 0, 1, 0,

4. Mutación:
--------------------------------------------------

--- GENERACIÓN 20 ---
1. Evaluación:
   Bits: [0, 1, 1, 1, 1, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1] | Dec: (-0.57, 0.01) | Aptitud: -0.
   Bits: [0, 1, 1, 1, 1, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 0, 1, 1, 1, 0, 0, 0, 0, 1] | Dec: (-0.57, 1.10) | Aptitud: -1.
   Bits: [0, 1, 1, 1, 1, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1] | Dec: (-0.57, 0.01) | Aptitud: -0.
   Bits: [0, 1, 1, 1, 1, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 0, 1, 1, 1, 0, 0, 0, 0, 1] | Dec: (-0.57, 1.10) | Aptitud: -1.
   Bits: [0, 1, 1, 1, 1, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 0, 1, 1, 1, 0, 0, 0, 0, 1] | Dec: (-0.57, 1.10) | Aptitud: -1.
   Bits: [0, 1, 1, 1, 1, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 1, 0, 0, 0, 0, 0, 0, 0, 1] | Dec: (-0.57, 1.26) | Aptitud: -1.
   Bits: [0, 1, 1, 1, 1, 0, 0, 0, 1, 0, 0, 1, 1, 0, 0, 0, 1, 1, 1, 0, 0, 0, 0, 1] | Dec: (-0.58, 1.10) | Aptitud: -1.
   Bits: [0, 1, 1, 0, 0, 0, 0, 0, 1, 0, 0, 1, 1, 0, 0, 1, 0, 0, 0, 0, 0, 0, 0, 1] | Dec: (-2.45, 1.26) | Aptitud: -7.
   Bits: [0, 1, 1, 1, 1, 0, 0, 0, 1, 0, 0, 1, 1, 0, 0, 1, 0, 0, 0, 0, 0, 0, 0, 1] | Dec: (-0.58, 1.26) | Aptitud: -1.
   Bits: [0, 1, 1, 0, 0, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1] | Dec: (-2.44, 0.01) | Aptitud: -5.

2. Selección:
   [0, 1, 1, 1, 1, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 0, 1, 1, 1, 0, 0, 0, 0, 1]
   [0, 1, 1, 1, 1, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1]
   [0, 1, 1, 1, 1, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1]
   [0, 1, 1, 1, 1, 0, 0, 0, 1, 0, 0, 1, 1, 0, 0, 1, 0, 0, 0, 0, 0, 0, 0, 1]
   [0, 1, 1, 1, 1, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1]

3. Cruza:
   Cruzando [0, 1, 1, 1, 1, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 0, 1, 1, 1, 0, 0, 0, 0, 1] y [0, 1, 1, 1, 1, 0, 0, 0, 1, 0,
   Cruzando [0, 1, 1, 1, 1, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1] y [0, 1, 1, 1, 1, 0, 0, 0, 1, 0,
   Cruzando [0, 1, 1, 1, 1, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1] y [0, 1, 1, 1, 1, 0, 0, 0, 1, 0,
   Cruzando [0, 1, 1, 1, 1, 0, 0, 0, 1, 0, 0, 1, 1, 0, 0, 1, 0, 0, 0, 0, 0, 0, 0, 1] y [0, 1, 1, 1, 1, 0, 0, 0, 1, 0,
   Cruzando [0, 1, 1, 1, 1, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1] y [0, 1, 1, 1, 1, 0, 0, 0, 1, 0,

4. Mutación:
   ¡Mutación! [0, 1, 1, 1, 1, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1] -> [0, 1, 1, 1, 1, 0, 0, 0, 1,
--------------------------------------------------

================== RESULTADO FINAL ==================
Bits: [0, 1, 1, 1, 1, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1]
Valor (X, Y): (-0.57, 0.01)
Aptitud Alcanzada: -0.32
```