

Genetic Algorithm Simple Demo

How many genes in each chromosome: 3

How many chromosomes in population: 2

Show the magic


The random generated chromosomes: [0, 0, 1][1, 0, 1]  
Generation: 1 , The score of fittest chromosome: 2 , Chromosome: [1, 0, 1]  
Generation 2 Calculation Process:  
Selection Process:  
After selection, the Fittest chromosome : [1, 0, 1],After selection, the Second Fittest chromosome :[0, 0, 1]  
Crossover Process:  
The Cross point index is 1,After Crossover ,the Fittest chromosome : [0, 0, 1],After Crossover ,the Second Fittest chromosome : [1, 0, 1]  
Mutation Process:  
The mutation point for the Fittest chromosome in offspring index is 0  
The mutation point for the Second Fittest chromosome in offspring index is 1  
After mutation, the Fittest chromosome : [1, 0, 1]After mutation, the Second Fittest chromosome : [1, 1, 1]

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How many genes in each chromosome: 3

How many chromosomes in population: 18

Message

The legal integer value for chromosome in population is between [1,9].

OK


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Generation: 1 , The score of fittest chromosome: 2 , Chromosome: [1, 0, 1]  
Generation 2 Calculation Process:  
Selection Process:  
After selection, the Fittest chromosome : [1, 0, 1],After selection, the Second Fittest chromosome :[0, 0, 1]  
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Mutation Process:  
The mutation point for the Fittest chromosome in offspring index is 0  
The mutation point for the Second Fittest chromosome in offspring index is 1  
After mutation, the Fittest chromosome : [1, 0, 1]After mutation, the Second Fittest chromosome : [1, 1, 1]

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How many genes in each chromosome:

How many chromosomes in population:

Message

The value for genes in each chromosome should be a integer number.

OK

Show the calculation process