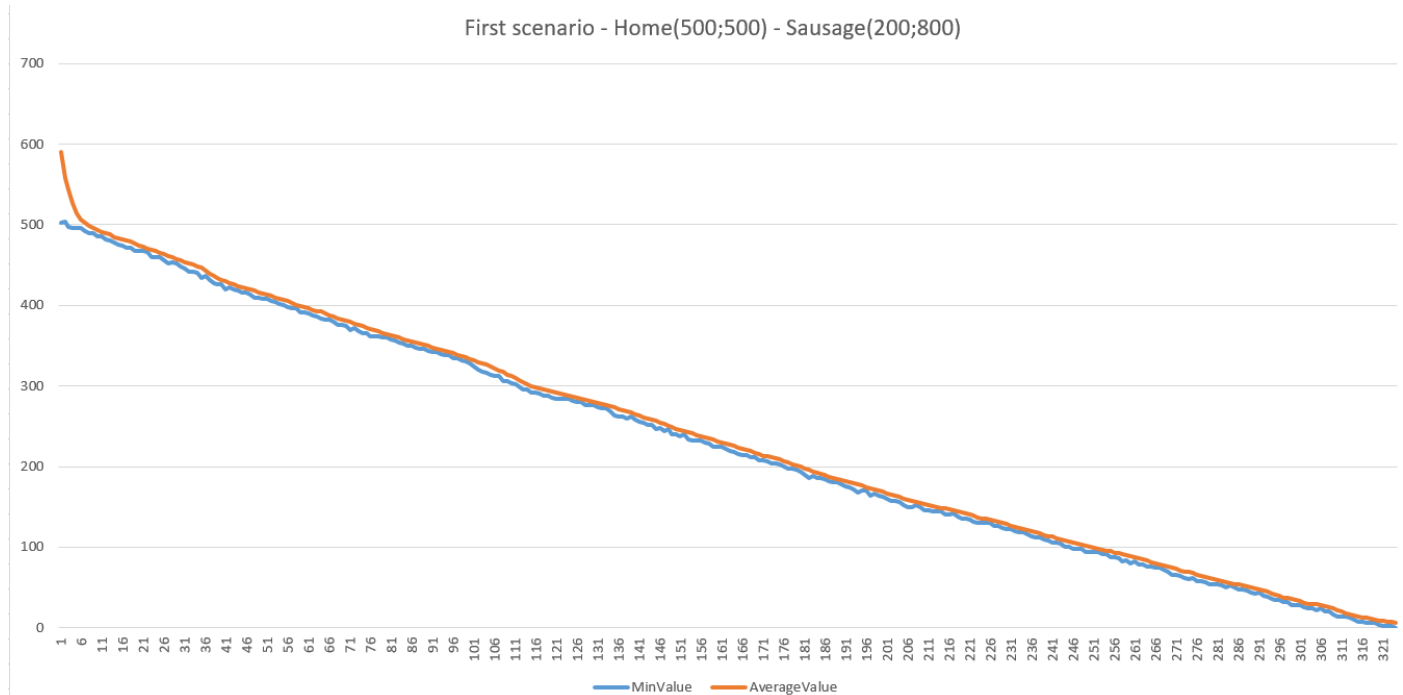


Lucky Dog

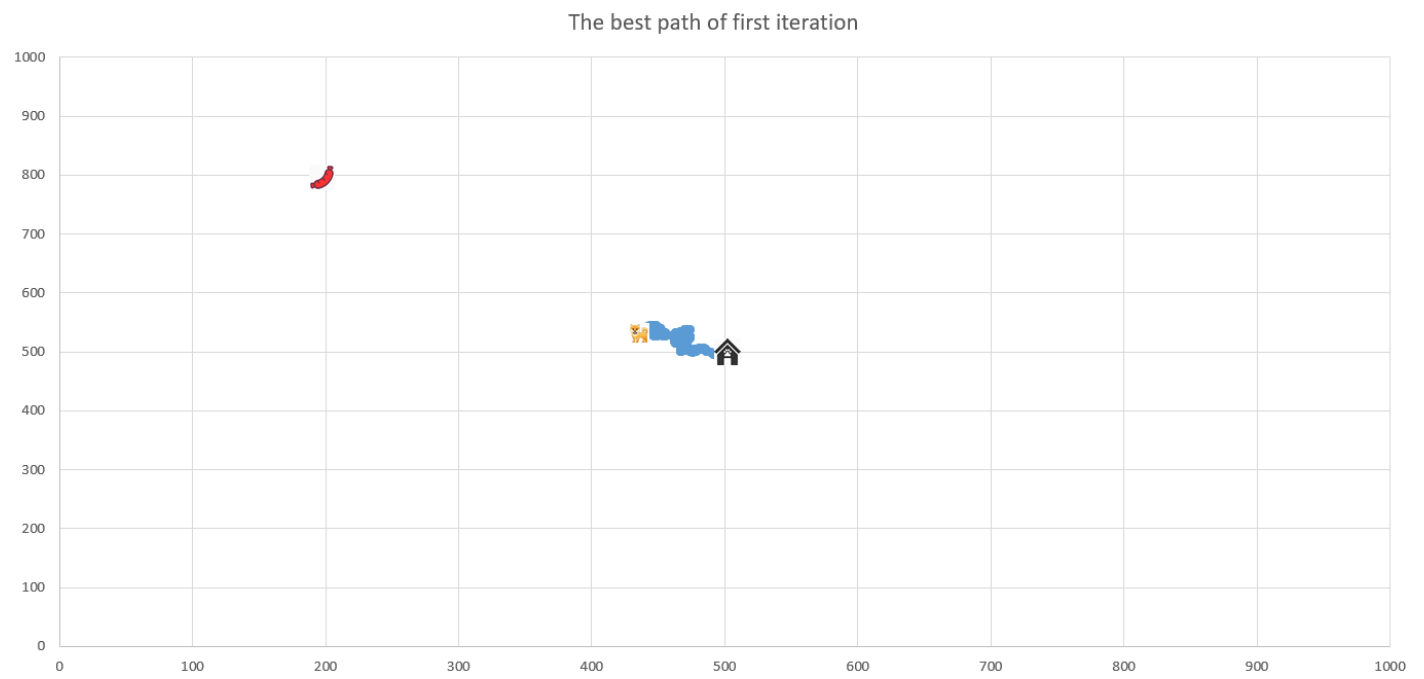
1) First Scenario:

Size of population – 100;
Size of chromosome – 1000;
Mutation percent – 0.05;
One-point crossover with crossover point at 500;
Truncate selection mode;

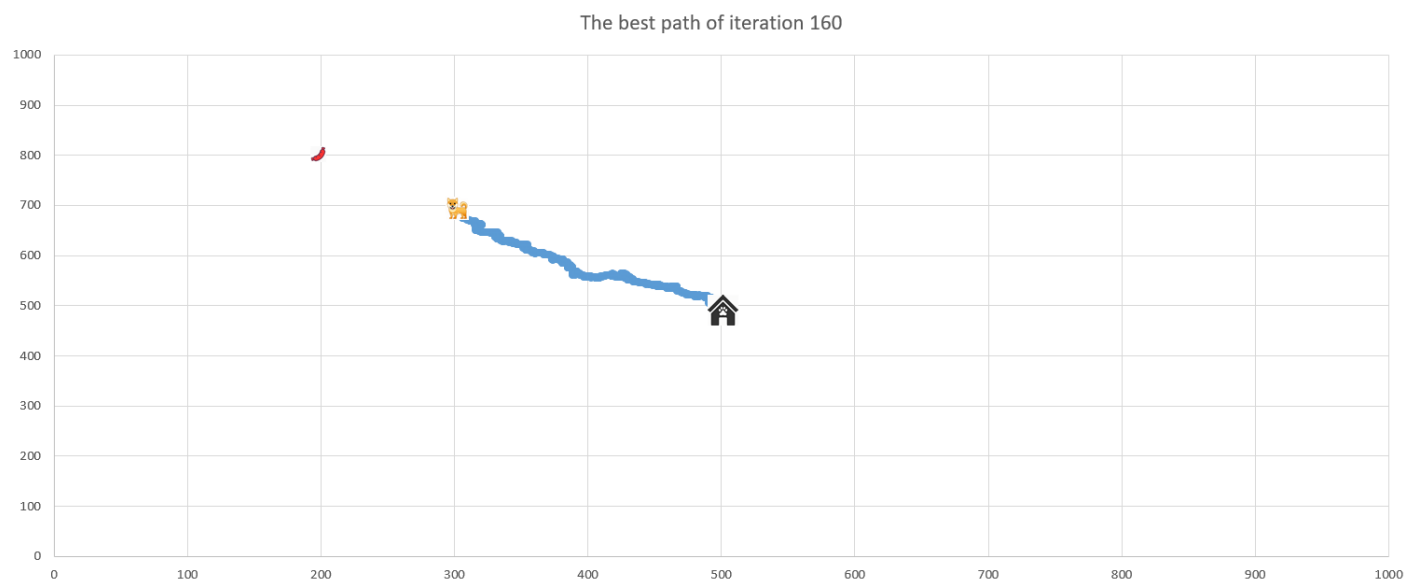


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2 2 3 2 3 2 1 2 1 3 1 2 3 3 1 2 2 3 1 2 2 2 3 1 2 2 1 1 4 1 1 2 1 3 3 1 1 1 2 2 2 3 4 2 2 1 1 3 1 2 2 2 1 1 1 1 2 2 1 2 2 1 2 2
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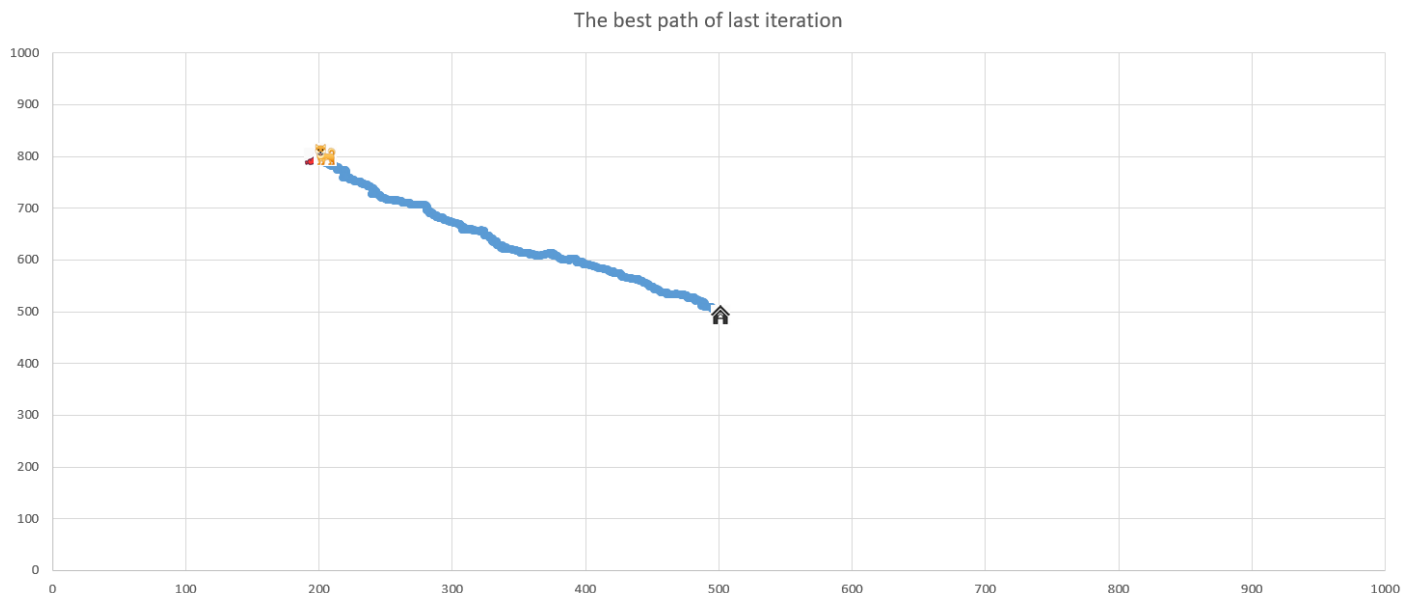
The best Path of first iteration:



The best path of iteration 160:



The best of last iteration:



2) The second Scenario

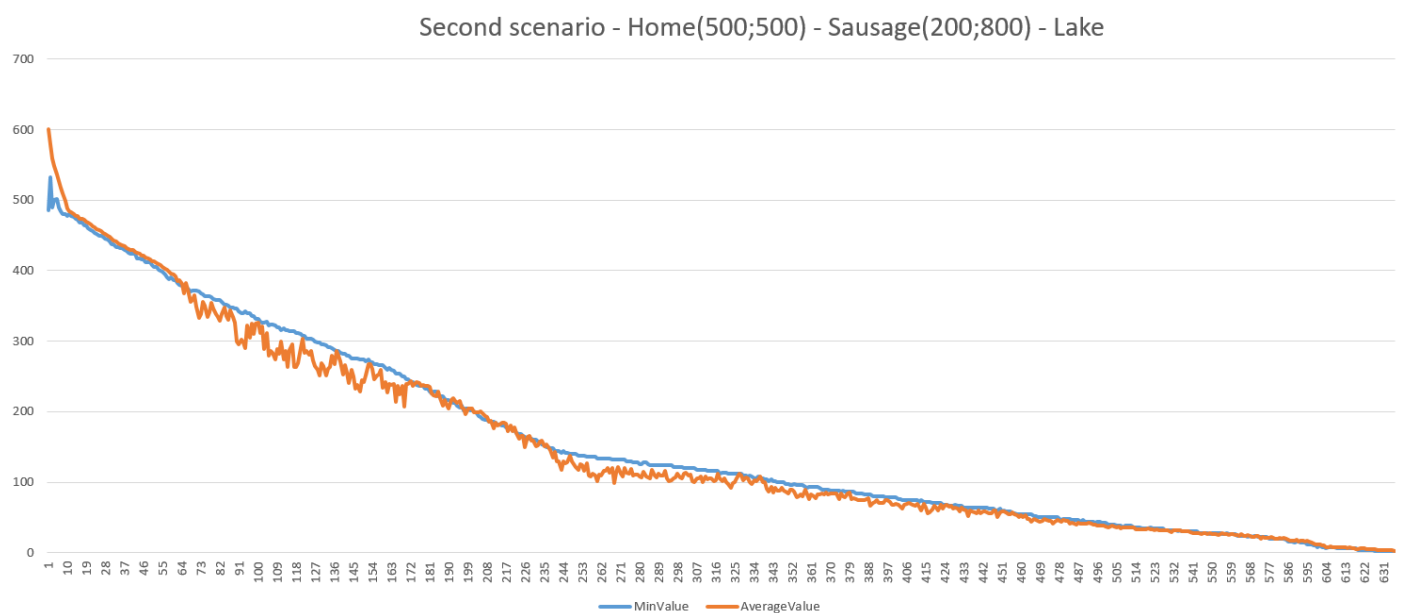
Size of population – 100;

Size of chromosome – 1000;

Mutation percent – 0.05;

One-point crossover with crossover point at 500;

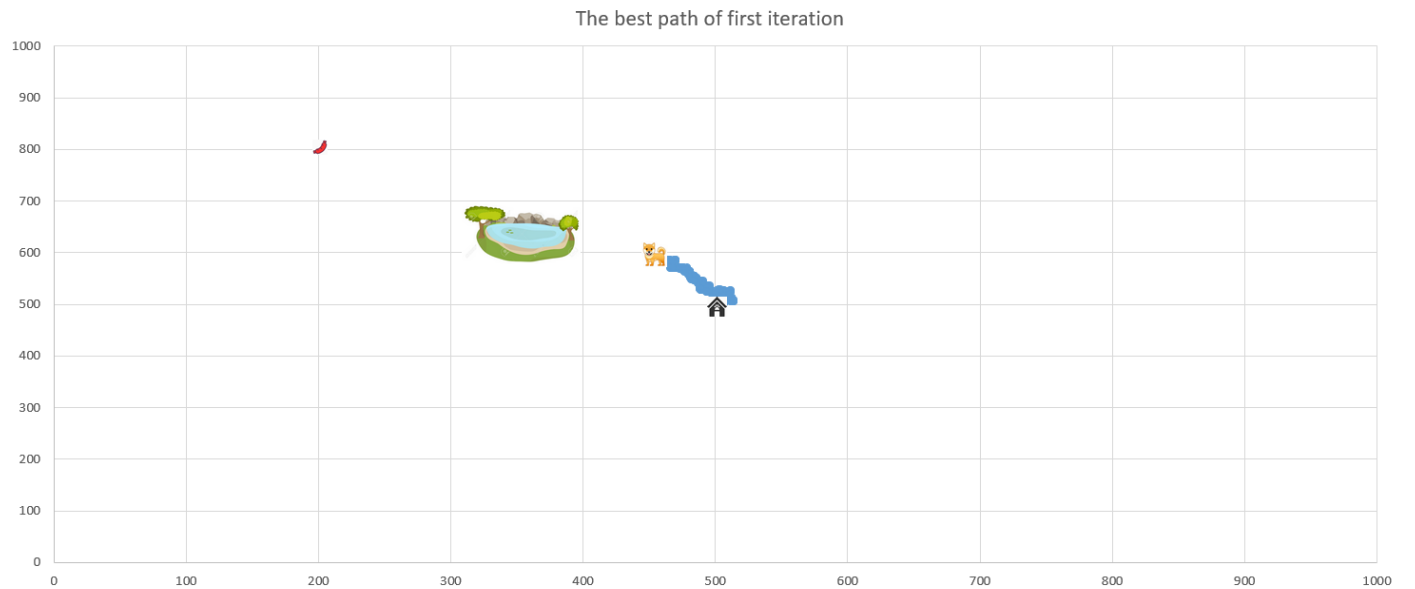
Truncate selection mode;



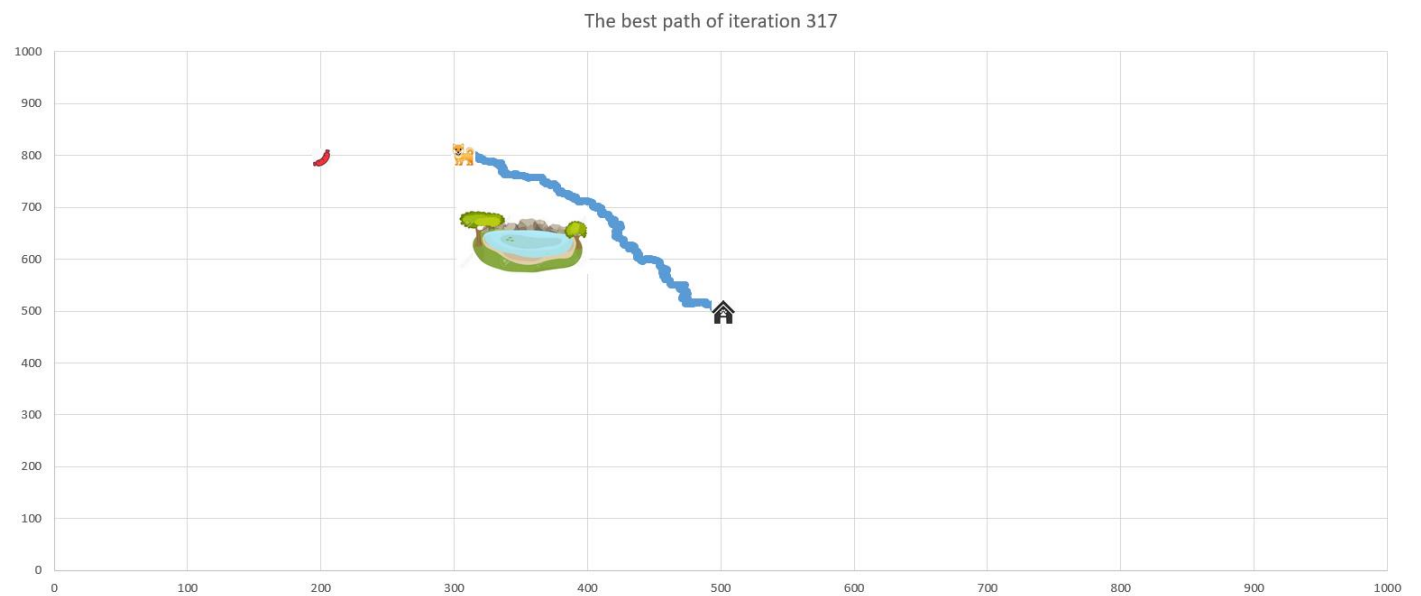
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1 1 1 4 2 4 1 2 1 2 2 1 2 1 2 1 1 4 1 1 4 1 3 1 1 3 2 1 3 4 2 1 1 4 4 2 2 4 1 2 4 1 1 3 3 1 4 2 1 1 2 1 1 4 2 2 2 3 2 2 2 1 3
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2 3 1 2 2 3 2 2 2 3 2 1 2 2 1 3 2 2 2 2 1 4 1 2 2 1 2 2 2 1 3 1 1 1 1 2 3 3 3 1 1 3 2 2 1 2 3 1 1 2 3 4 3 2 1 3 4 4 1 2 4 2 1 1 1
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2 3 1 3 1 2 2 3 1 2 4 2 2 3 2 1 2 3 3 3 2 3 1 1 1 3 1 2 2 2 1 2 3 2 1 2 2 2 2 2 2 1 1 1 2 1 1 3 1 1 2 1 1 2 2 2 2 1 4 2 1 1 2 2 1
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1 1 1 1 3 1 1 2 1 2 4 2 2 1 2 2 1 4 2 1 1 1 4 4 2 1 2 1 1 1 2 2 1 1

The best path of first iteration:



The best path of iteration 317:



The best path of last iteration:

