

Part 1:

Accuracy: 0.9266666666666666

Confusion matrix:

[[50 0 0]

[ 0 49 1]

[ 0 10 40]]

List of features used: ['sepal-length', 'sepal-width', 'petal-length', 'petal-width']

Part 2:

Values: [4.22484077 0.24224357 0.07852391 0.02368303]

Vectors: [[ 0.36158968 -0.65653988 -0.58099728 0.31725455]

[-0.08226889 -0.72971237 0.59641809 -0.32409435]

[ 0.85657211 0.1757674 0.07252408 -0.47971899]

[ 0.35884393 0.07470647 0.54906091 0.75112056]]

PoV: 0.924616207174268

Accuracy: 0.9133333333333333

Confusion matrix:

[[50 0 0]

[ 0 44 6]

[ 0 7 43]]

List of features used: ['sepal-length']

Part 3:

(150, 8)

Iteration: 1

value of i: 1

Features used Index(['sepal-length', 'sepal-width', 'petal-length', 'petal-width',  
                  'lambda\_1', 'lambda\_2', 'lambda\_4'],  
                  dtype='object')

Accuracy = : 0.926667

Status: Improved

Iteration: 2

value of i: 2

Features used Index(['sepal-length', 'sepal-width', 'petal-length', 'lambda\_1', 'lambda\_2',  
                  'lambda\_4'],  
                  dtype='object')

Accuracy = : 0.940000

Status: Improved

Iteration: 3

value of i: 3

Features used Index(['sepal-length', 'sepal-width', 'petal-length', 'lambda\_1', 'lambda\_2'],  
                  dtype='object')

Accuracy = : 0.933333

Pr\_accept = : 0.978950

Randon Uniform = : 0.162178

Status: Accepted

Iteration: 4

value of i: 4

Features used Index(['sepal-length', 'petal-length', 'lambda\_1', 'lambda\_2'], dtype='object')

Accuracy = : 0.913333

Pr\_accept = : 0.917865

Randon Uniform = : 0.954547

Status: Discarded

Iteration: 5

value of i: 5

Features used Index(['petal-length', 'lambda\_1', 'lambda\_2'], dtype='object')

Accuracy = : 0.913333

Pr\_accept = : 0.898407

Randon Uniform = : 0.454665

Status: Accepted

Iteration: 6

value of i: 6

Features used Index(['petal-length', 'lambda\_2'], dtype='object')

Accuracy = : 0.940000

Status: Improved

Iteration: 7

value of i: 7

Features used Index(['petal-length'], dtype='object')

Accuracy = : 0.913333

Pr\_accept = : 0.819910

Randon Uniform = : 0.635480

Status: Accepted

Iteration: 8

value of i: 8

Features used Index(['petal-length'], dtype='object')

Accuracy = : 0.913333

Pr\_accept = : 1.000000

Randon Uniform = : 0.360426

Status: Accepted

Iteration: 9

value of i: 9

Features used Index(['petal-length', 'lambda\_3'], dtype='object')

Accuracy = : 0.893333

Pr\_accept = : 0.821141

Randon Uniform = : 0.857639

Status: Discarded

Iteration: 10

value of i: 10

Features used Index(['petal-length'], dtype='object')

Accuracy = : 0.913333

Pr\_accept = : 1.000000

Randon Uniform = : 0.981805

Status: Accepted

Iteration: 11

value of i: 11

Features used Index(['petal-length', 'lambda\_1'], dtype='object')

Accuracy = : 0.893333

Pr\_accept = : 0.785959

Randon Uniform = : 0.482655

Status: Accepted

Iteration: 12

value of i: 12

Features used Index(['petal-length'], dtype='object')

Accuracy = : 0.913333

Status: Improved

Iteration: 13

value of i: 13

Features used Index(['petal-length', 'lambda\_1'], dtype='object')

Accuracy = : 0.886667

Pr\_accept = : 0.684188

Randon Uniform = : 0.647660

Status: Accepted

Status: Restart

Iteration: 14

value of i: 1

Features used Index(['petal-length'], dtype='object')

Accuracy = : 0.913333

Pr\_accept = : 1.000000

Randon Uniform = : 0.690330

Status: Accepted

Iteration: 15

value of i: 2

Features used Index(['petal-length'], dtype='object')

Accuracy = : 0.913333

Pr\_accept = : 1.000000

Randon Uniform = : 0.408905

Status: Accepted

Iteration: 16

value of i: 3

Features used Index(['petal-length', 'sepal-width'], dtype='object')

Accuracy = : 0.906667

Pr\_accept = : 0.889784

Randon Uniform = : 0.281469

Status: Accepted

Iteration: 17

value of i: 4

Features used Index(['petal-length'], dtype='object')

Accuracy = : 0.913333

Status: Improved

Iteration: 18

value of i: 5

Features used Index(['petal-length'], dtype='object')

Accuracy = : 0.913333

Pr\_accept = : 1.000000

Randon Uniform = : 0.522660

Status: Accepted

Iteration: 19

value of i: 6

Features used Index(['petal-length', 'sepal-width'], dtype='object')

Accuracy = : 0.906667

Pr\_accept = : 0.870514

Randon Uniform = : 0.714076

Status: Accepted

Iteration: 20

value of i: 7

Features used Index(['petal-length', 'sepal-width', 'lambda\_1'], dtype='object')

Accuracy = : 0.900000

Pr\_accept = : 0.863256

Randon Uniform = : 0.255698

Status: Accepted

Iteration: 21

value of i: 8

Features used Index(['petal-length', 'sepal-width', 'lambda\_1', 'lambda\_3'], dtype='object')

Accuracy = : 0.906667

Status: Improved

Iteration: 22

value of i: 9

Features used Index(['petal-length', 'sepal-width', 'lambda\_1', 'lambda\_3', 'petal-width'], dtype='object')

Accuracy = : 0.900000

Pr\_accept = : 0.850656

Randon Uniform = : 0.704091

Status: Accepted

Iteration: 23

value of i: 10

Features used Index(['petal-length', 'sepal-width', 'lambda\_3', 'petal-width'], dtype='object')



Accuracy = : 0.913333

Status: Improved

Iteration: 24

value of i: 11

Features used Index(['petal-length', 'sepal-width', 'lambda\_3', 'petal-width', 'lambda\_1'], dtype='object')

Accuracy = : 0.920000

Status: Improved

Iteration: 25

value of i: 12

Features used Index(['sepal-width', 'lambda\_3', 'petal-width', 'lambda\_1'], dtype='object')

Accuracy = : 0.906667

Pr\_accept = : 0.696087

Randon Uniform = : 0.347589

Status: Accepted

Iteration: 26

value of i: 13

Features used Index(['sepal-width', 'lambda\_3', 'petal-width', 'lambda\_1', 'sepal-length'], dtype='object')

Accuracy = : 0.920000

Status: Improved

Iteration: 27

value of i: 14

Features used Index(['sepal-width', 'petal-width', 'lambda\_1', 'sepal-length'], dtype='object')

Accuracy = : 0.953333

Status: Improved

Iteration: 28

value of i: 15

Features used Index(['sepal-width', 'petal-width', 'lambda\_1', 'sepal-length', 'lambda\_2'], dtype='object')

Accuracy = : 0.926667

Pr\_accept = : 0.456971

Randon Uniform = : 0.618563

Status: Discarded

Iteration: 29

value of i: 16

Features used Index(['sepal-width', 'lambda\_1', 'sepal-length', 'lambda\_2'], dtype='object')

Accuracy = : 0.920000

Pr\_accept = : 0.362808

Randon Uniform = : 0.400541

Status: Discarded

Iteration: 30

value of i: 17

Features used Index(['sepal-width', 'lambda\_1', 'lambda\_2'], dtype='object')

Accuracy = : 0.953333

Pr\_accept = : 1.000000

Randon Uniform = : 0.204346

Status: Accepted

Status: Restart

Iteration: 31

value of i: 1

Features used Index(['sepal-width', 'petal-width', 'lambda\_1', 'sepal-length',  
                  'petal-length'],  
                  dtype='object')

Accuracy = : 0.926667

Pr\_accept = : 0.420192

Randon Uniform = : 0.485864

Status: Discarded

Iteration: 32

value of i: 2

Features used Index(['sepal-width', 'petal-width', 'lambda\_1', 'sepal-length',  
                  'petal-length', 'lambda\_3'],  
                  dtype='object')

Accuracy = : 0.920000

Pr\_accept = : 0.326683

Randon Uniform = : 0.073558

Status: Accepted

Iteration: 33

value of i: 3

Features used Index(['sepal-width', 'lambda\_1', 'sepal-length', 'petal-length', 'lambda\_3'], dtype='object')

Accuracy = : 0.926667

Status: Improved

Iteration: 34

value of i: 4

Features used Index(['sepal-width', 'lambda\_1', 'petal-length', 'lambda\_3'], dtype='object')

Accuracy = : 0.913333

Pr\_accept = : 0.613142

Randon Uniform = : 0.261389

Status: Accepted

Iteration: 35

value of i: 5

Features used Index(['sepal-width', 'lambda\_1', 'petal-length'], dtype='object')

Accuracy = : 0.886667

Pr\_accept = : 0.359949

Randon Uniform = : 0.917968

Status: Discarded

Iteration: 36

value of i: 6

Features used Index(['lambda\_1', 'petal-length'], dtype='object')

Accuracy = : 0.886667

Pr\_accept = : 0.349593

Randon Uniform = : 0.818234

Status: Discarded

Iteration: 37

value of i: 7

Features used Index(['lambda\_1', 'petal-length', 'sepal-length'], dtype='object')

Accuracy = : 0.933333

Status: Improved

Iteration: 38

value of i: 8

Features used Index(['lambda\_1', 'petal-length', 'sepal-length', 'lambda\_2'], dtype='object')

Accuracy = : 0.913333

Pr\_accept = : 0.442993

Randon Uniform = : 0.337570

Status: Accepted

Iteration: 39

value of i: 9

Features used Index(['lambda\_1', 'petal-length', 'sepal-length'], dtype='object')

Accuracy = : 0.920000

Status: Improved

Iteration: 40

value of i: 10

Features used Index(['lambda\_1', 'sepal-length'], dtype='object')

Accuracy = : 0.940000

Status: Improved

Iteration: 41

value of i: 11

Features used Index(['lambda\_1'], dtype='object')

Accuracy = : 0.913333

Pr\_accept = : 0.312547

Randon Uniform = : 0.651823

Status: Discarded

Iteration: 42

value of i: 12

Features used Index(['lambda\_1'], dtype='object')

Accuracy = : 0.913333

Pr\_accept = : 0.303806

Randon Uniform = : 0.128029

Status: Accepted

Iteration: 43

value of i: 13

Features used Index(['lambda\_1', 'sepal-width'], dtype='object')

Accuracy = : 0.893333

Pr\_accept = : 0.390039

Randon Uniform = : 0.181047

Status: Accepted

Iteration: 44

value of i: 14

Features used Index(['sepal-width'], dtype='object')

Accuracy = : 0.493333

Pr\_accept = : 0.000000

Randon Uniform = : 0.616959

Status: Discarded

Iteration: 45

value of i: 15

Features used Index(['sepal-width'], dtype='object')

Accuracy = : 0.493333

Pr\_accept = : 0.000000

Randon Uniform = : 0.116836

Status: Discarded

Iteration: 46

value of i: 16

Features used Index(['sepal-width'], dtype='object')

Accuracy = : 0.493333

Pr\_accept = : 0.000000

Randon Uniform = : 0.004171

Status: Discarded

Iteration: 47

value of i: 17

Features used Index(['sepal-width'], dtype='object')

Accuracy = : 0.493333

Pr\_accept = : 0.000000

Randon Uniform = : 0.327440

Status: Discarded

Iteration: 48

value of i: 18

Features used Index(['sepal-width'], dtype='object')

Accuracy = : 0.493333

Pr\_accept = : 0.000000

Randon Uniform = : 0.464316

Status: Discarded

Iteration: 49

value of i: 19

Features used Index(['sepal-width'], dtype='object')

Accuracy = : 0.493333

Pr\_accept = : 0.000000

Randon Uniform = : 0.200326



Status: Discarded

Iteration: 50

value of i: 20

Features used Index(['sepal-width'], dtype='object')

Accuracy = : 0.493333

Pr\_accept = : 0.000000

Randon Uniform = : 0.664122

Status: Discarded

Iteration: 51

value of i: 21

Features used Index(['sepal-width'], dtype='object')

Accuracy = : 0.493333

Pr\_accept = : 0.000000

Randon Uniform = : 0.606101

Status: Discarded

Iteration: 52

value of i: 22

Features used Index(['sepal-width'], dtype='object')

Accuracy = : 0.493333

Pr\_accept = : 0.000000

Randon Uniform = : 0.924585

Status: Discarded

Iteration: 53

value of i: 23

Features used Index(['sepal-width', 'lambda\_3'], dtype='object')

Accuracy = : 0.593333

Pr\_accept = : 0.000000

Randon Uniform = : 0.814244

Status: Discarded

Iteration: 54

value of i: 24

Features used Index(['sepal-width', 'lambda\_3', 'lambda\_2'], dtype='object')

Accuracy = : 0.626667

Pr\_accept = : 0.000000

Randon Uniform = : 0.053895

Status: Discarded

Iteration: 55

value of i: 25

Features used Index(['sepal-width', 'lambda\_3', 'lambda\_2', 'lambda\_4'], dtype='object')

Accuracy = : 0.546667

Pr\_accept = : 0.000000

Randon Uniform = : 0.560052

Status: Discarded

Iteration: 56

value of i: 26

Features used Index(['sepal-width', 'lambda\_3', 'lambda\_4'], dtype='object')

Accuracy = : 0.580000

Pr\_accept = : 0.000000

Randon Uniform = : 0.009858

Status: Discarded

Iteration: 57

value of i: 27

Features used Index(['sepal-width', 'lambda\_4'], dtype='object')

Accuracy = : 0.460000

Pr\_accept = : 0.000000

Randon Uniform = : 0.814189

Status: Discarded

Iteration: 58

value of i: 28

Features used Index(['sepal-width', 'lambda\_4', 'petal-length'], dtype='object')

Accuracy = : 0.920000

Status: Improved

Status: Restart

Iteration: 59

value of i: 1

Features used Index(['lambda\_4', 'petal-length'], dtype='object')

Accuracy = : 0.873333

Pr\_accept = : 0.050165

Randon Uniform = : 0.924430

Status: Discarded

Iteration: 60

value of i: 2

Features used Index(['lambda\_4'], dtype='object')

Accuracy = : 0.333333

Pr\_accept = : 0.000000

Randon Uniform = : 0.302669

Status: Discarded

Iteration: 61

value of i: 3

Features used Index(['lambda\_4', 'petal-length'], dtype='object')

Accuracy = : 0.906667

Pr\_accept = : 0.413141

Randon Uniform = : 0.427837

Status: Discarded

Iteration: 62

value of i: 4

Features used Index(['petal-length'], dtype='object')

Accuracy = : 0.913333

Pr\_accept = : 0.638120

Randon Uniform = : 0.524918

Status: Accepted

Iteration: 63

value of i: 5

Features used Index(['petal-length', 'sepal-width'], dtype='object')

Accuracy = : 0.906667

Pr\_accept = : 0.631406

Randon Uniform = : 0.433317

Status: Accepted

Iteration: 64

value of i: 6

Features used Index(['petal-length', 'sepal-width', 'petal-width'], dtype='object')

Accuracy = : 0.953333

Status: Improved

Iteration: 65

value of i: 7

Features used Index(['petal-length', 'sepal-width', 'petal-width', 'lambda\_1'], dtype='object')

Accuracy = : 0.953333

Pr\_accept = : 1.000000

Randon Uniform = : 0.819269

Status: Accepted

Iteration: 66

value of i: 8

Features used Index(['sepal-width', 'petal-width', 'lambda\_1'], dtype='object')

Accuracy = : 0.933333

Pr\_accept = : 0.250456

Randon Uniform = : 0.871409

Status: Discarded

Iteration: 67

value of i: 9

Features used Index(['sepal-width', 'lambda\_1'], dtype='object')

Accuracy = : 0.920000

Pr\_accept = : 0.096095

Randon Uniform = : 0.614426

Status: Discarded

Iteration: 68

value of i: 10

Features used Index(['sepal-width'], dtype='object')

Accuracy = : 0.493333

Pr\_accept = : 0.000000

Randon Uniform = : 0.985108

Status: Discarded

Iteration: 69

value of i: 11

Features used Index(['sepal-width'], dtype='object')

Accuracy = : 0.493333

Pr\_accept = : 0.000000

Randon Uniform = : 0.039674

Status: Discarded

Iteration: 70

value of i: 12

Features used Index(['sepal-width'], dtype='object')

Accuracy = : 0.493333

Pr\_accept = : 0.000000

Randon Uniform = : 0.423108

Status: Discarded

Iteration: 71

value of i: 13

Features used Index(['sepal-width'], dtype='object')

Accuracy = : 0.493333

Pr\_accept = : 0.000000

Randon Uniform = : 0.398763

Status: Discarded

Iteration: 72

value of i: 14

Features used Index(['sepal-width'], dtype='object')

Accuracy = : 0.493333

Pr\_accept = : 0.000000

Randon Uniform = : 0.446173

Status: Discarded

Iteration: 73

value of i: 15

Features used Index(['sepal-width', 'lambda\_2'], dtype='object')

Accuracy = : 0.493333

Pr\_accept = : 0.000000

Randon Uniform = : 0.641817

Status: Discarded

Iteration: 74

value of i: 16

Features used Index(['sepal-width', 'lambda\_2', 'petal-width'], dtype='object')

Accuracy = : 0.913333

Pr\_accept = : 0.044844

Randon Uniform = : 0.459975

Status: Discarded

Iteration: 75



value of i: 17

Features used Index(['lambda\_2', 'petal-width'], dtype='object')

Accuracy = : 0.900000

Pr\_accept = : 0.015065

Randon Uniform = : 0.105577

Status: Discarded

Iteration: 76

value of i: 18

Features used Index(['petal-width'], dtype='object')

Accuracy = : 0.953333

Pr\_accept = : 1.000000

Randon Uniform = : 0.208633

Status: Accepted

Status: Restart

Iteration: 77

value of i: 1

Features used Index(['sepal-width', 'petal-width'], dtype='object')

Accuracy = : 0.933333

Pr\_accept = : 0.198847

Randon Uniform = : 0.555108

Status: Discarded

Iteration: 78

value of i: 2

Features used Index(['sepal-width', 'petal-width', 'sepal-length'], dtype='object')

Accuracy = : 0.933333

Pr\_accept = : 0.194720

Randon Uniform = : 0.151559

Status: Accepted

Iteration: 79

value of i: 3

Features used Index(['sepal-width', 'petal-width', 'sepal-length', 'petal-length'], dtype='object')

Accuracy = : 0.926667

Pr\_accept = : 0.568800

Randon Uniform = : 0.543586

Status: Accepted

Iteration: 80

value of i: 4

Features used Index(['sepal-width', 'petal-width', 'petal-length'], dtype='object')

Accuracy = : 0.946667

Status: Improved

Iteration: 81

value of i: 5

Features used Index(['sepal-width', 'petal-width', 'petal-length', 'lambda\_3'], dtype='object')

Accuracy = : 0.920000

Pr\_accept = : 0.102136

Randon Uniform = : 0.641953

Status: Discarded

Iteration: 82

value of i: 6

Features used Index(['sepal-width', 'petal-width', 'lambda\_3'], dtype='object')

Accuracy = : 0.933333

Pr\_accept = : 0.315117

Randon Uniform = : 0.092224

Status: Accepted

Iteration: 83

value of i: 7

Features used Index(['sepal-width', 'petal-width', 'lambda\_3', 'lambda\_1'], dtype='object')

Accuracy = : 0.893333

Pr\_accept = : 0.028531

Randon Uniform = : 0.418568

Status: Discarded

Iteration: 84

value of i: 8

Features used Index(['sepal-width', 'petal-width', 'lambda\_1'], dtype='object')

Accuracy = : 0.946667

Status: Improved

Iteration: 85

value of i: 9

Features used Index(['sepal-width', 'petal-width', 'lambda\_1', 'lambda\_4'], dtype='object')

Accuracy = : 0.920000

Pr\_accept = : 0.091253

Randon Uniform = : 0.180733

Status: Discarded

Iteration: 86

value of i: 10

Features used Index(['sepal-width', 'petal-width', 'lambda\_1', 'lambda\_4', 'petal-length'], dtype='object')

Accuracy = : 0.940000

Pr\_accept = : 0.545763

Randon Uniform = : 0.645869

Status: Discarded

Iteration: 87

value of i: 11

Features used Index(['sepal-width', 'petal-width', 'lambda\_1', 'lambda\_4', 'petal-length',  
'lambda\_3'],  
dtype='object')

Accuracy = : 0.913333

Pr\_accept = : 0.046744

Randon Uniform = : 0.831648

Status: Discarded

Iteration: 88

value of i: 12

Features used Index(['sepal-width', 'petal-width', 'lambda\_1', 'petal-length', 'lambda\_3'], dtype='object')

Accuracy = : 0.913333

Pr\_accept = : 0.045127

Randon Uniform = : 0.325993

Status: Discarded

Iteration: 89

value of i: 13

Features used Index(['sepal-width', 'petal-width', 'lambda\_1', 'petal-length', 'lambda\_3',  
'sepal-length'],  
dtype='object')

Accuracy = : 0.900000

Pr\_accept = : 0.012440

Randon Uniform = : 0.834610

Status: Discarded

Iteration: 90

value of i: 14

Features used Index(['sepal-width', 'petal-width', 'lambda\_1', 'petal-length', 'lambda\_3',  
'sepal-length', 'lambda\_2'],  
dtype='object')

Accuracy = : 0.913333

Pr\_accept = : 0.042059

Randon Uniform = : 0.744565

Status: Discarded

Iteration: 91

value of i: 15

Features used Index(['sepal-width', 'petal-width', 'lambda\_1', 'petal-length', 'lambda\_3',  
'sepal-length', 'lambda\_2'],  
dtype='object')

Accuracy = : 0.920000

Pr\_accept = : 0.077064

Randon Uniform = : 0.282551

Status: Discarded

Iteration: 92

value of i: 16

Features used Index(['petal-width', 'lambda\_1', 'petal-length', 'lambda\_3', 'sepal-length',  
'lambda\_2'],  
dtype='object')

Accuracy = : 0.913333

Pr\_accept = : 0.039199

Randon Uniform = : 0.537589

Status: Discarded

Iteration: 93

value of i: 17

Features used Index(['petal-width', 'lambda\_1', 'petal-length', 'lambda\_3', 'sepal-length',  
                    'lambda\_2', 'sepal-width'],  
                    dtype='object')

Accuracy = : 0.920000

Pr\_accept = : 0.072843

Randon Uniform = : 0.508206

Status: Discarded

Iteration: 94

value of i: 18

Features used Index(['petal-width', 'lambda\_1', 'petal-length', 'lambda\_3', 'sepal-length',  
                    'lambda\_2', 'sepal-width'],  
                    dtype='object')

Accuracy = : 0.913333

Pr\_accept = : 0.036534

Randon Uniform = : 0.846160

Status: Discarded

Iteration: 95

value of i: 19

Features used Index(['petal-width', 'lambda\_1', 'petal-length', 'lambda\_3', 'sepal-length',  
                    'lambda\_2'],  
                    dtype='object')

Accuracy = : 0.920000

Pr\_accept = : 0.068853

Randon Uniform = : 0.547629

Status: Discarded

Iteration: 96

value of i: 20

Features used Index(['petal-width', 'lambda\_1', 'petal-length', 'lambda\_3', 'sepal-length',  
                  'lambda\_2', 'sepal-width'],  
                  dtype='object')

Accuracy = : 0.913333

Pr\_accept = : 0.034050

Randon Uniform = : 0.456381

Status: Discarded

Iteration: 97

value of i: 21

Features used Index(['petal-width', 'lambda\_1', 'petal-length', 'lambda\_3', 'lambda\_2',  
                  'sepal-width'],  
                  dtype='object')

Accuracy = : 0.906667

Pr\_accept = : 0.016603

Randon Uniform = : 0.960478

Status: Discarded



Iteration: 98

value of i: 22

Features used Index(['lambda\_1', 'petal-length', 'lambda\_3', 'lambda\_2', 'sepal-width'], dtype='object')

Accuracy = : 0.900000

Pr\_accept = : 0.007983

Randon Uniform = : 0.114292

Status: Discarded

Iteration: 99

value of i: 23

Features used Index(['lambda\_1', 'petal-length', 'lambda\_3', 'lambda\_2', 'sepal-width',  
                    'sepal-length'],  
                    dtype='object')

Accuracy = : 0.906667

Pr\_accept = : 0.015258

Randon Uniform = : 0.334333

Status: Discarded

Iteration: 100

value of i: 24

Features used Index(['lambda\_1', 'lambda\_3', 'lambda\_2', 'sepal-width', 'sepal-length'], dtype='object')

Accuracy = : 0.900000

Pr\_accept = : 0.007233

Randon Uniform = : 0.662924

Status: Discarded

Part 3:

Accuracy: 0.9333333333333333

Confusion matrix:

[[50 0 0]

[ 0 42 8]

[ 0 2 48]]

Features used Index(['sepal-width', 'petal-width', 'lambda\_1'], dtype='object')

Part 4:

Generation: 1

Features: ['lambda\_1', 'sepal-length']

Accuracy score 1: 0.9533333333333334

Features: ['lambda\_1', 'petal-length', 'sepal-width', 'petal-width']

Accuracy score 2: 0.9466666666666667

Features: ['sepal-length', 'lambda\_2', 'sepal-width', 'petal-length', 'petal-width']

Accuracy score 3: 0.9466666666666667

Features: ['lambda\_1', 'sepal-width', 'petal-width']

Accuracy score 4: 0.9466666666666667

Features: ['lambda\_1', 'petal-width', 'sepal-width']

Accuracy score 5: 0.9466666666666667

Generation: 2

Features: ['lambda\_1', 'sepal-length']

Accuracy score 1: 0.9533333333333334

Features: ['lambda\_1', 'petal-width', 'sepal-width']

Accuracy score 2: 0.9533333333333334

Features: ['lambda\_1', 'sepal-width', 'sepal-length', 'petal-width']

Accuracy score 3: 0.9533333333333334

Features: ['lambda\_1', 'sepal-width', 'sepal-length', 'petal-width']

Accuracy score 4: 0.9533333333333334

Features: ['lambda\_1', 'sepal-width', 'petal-length', 'petal-width']

Accuracy score 5: 0.9533333333333334

Generation: 3

Features: ['lambda\_1', 'sepal-length']

Accuracy score 1: 0.9533333333333334

Features: ['lambda\_1', 'petal-width', 'sepal-width']

Accuracy score 2: 0.9533333333333334

Features: ['lambda\_1', 'sepal-width', 'sepal-length', 'petal-width']

Accuracy score 3: 0.9533333333333334

Features: ['lambda\_1', 'sepal-width', 'sepal-length', 'petal-width']

Accuracy score 4: 0.9533333333333334

Features: ['lambda\_1', 'sepal-width', 'petal-length', 'petal-width']

Accuracy score 5: 0.9533333333333334

Generation: 4

Features: ['lambda\_1', 'sepal-length']

Accuracy score 1: 0.9533333333333334

Features: ['lambda\_1', 'petal-width', 'sepal-width']

Accuracy score 2: 0.9533333333333334

Features: ['lambda\_1', 'sepal-width', 'sepal-length', 'petal-width']

Accuracy score 3: 0.9533333333333334

Features: ['lambda\_1', 'sepal-width', 'sepal-length', 'petal-width']

Accuracy score 4: 0.9533333333333334

Features: ['lambda\_1', 'sepal-width', 'petal-length', 'petal-width']

Accuracy score 5: 0.9533333333333334

Generation: 5

Features: ['lambda\_1', 'sepal-length']

Accuracy score 1: 0.9533333333333334

Features: ['lambda\_1', 'petal-width', 'sepal-width']

Accuracy score 2: 0.9533333333333334

Features: ['lambda\_1', 'sepal-width', 'sepal-length', 'petal-width']

Accuracy score 3: 0.9533333333333334

Features: ['lambda\_1', 'sepal-width', 'sepal-length', 'petal-width']

Accuracy score 4: 0.9533333333333334

Features: ['lambda\_1', 'sepal-width', 'petal-length', 'petal-width']

Accuracy score 5: 0.9533333333333334

Generation: 6

Features: ['lambda\_1', 'sepal-length']

Accuracy score 1: 0.9533333333333334

Features: ['lambda\_1', 'petal-width', 'sepal-width']

Accuracy score 2: 0.9533333333333334

Features: ['lambda\_1', 'sepal-width', 'sepal-length', 'petal-width']

Accuracy score 3: 0.9533333333333334

Features: ['lambda\_1', 'sepal-width', 'sepal-length', 'petal-width']

Accuracy score 4: 0.9533333333333334

Features: ['lambda\_1', 'sepal-width', 'petal-length', 'petal-width']

Accuracy score 5: 0.9533333333333334

Generation: 7

Features: ['lambda\_1', 'sepal-length']

Accuracy score 1: 0.9533333333333334

Features: ['lambda\_1', 'petal-width', 'sepal-width']

Accuracy score 2: 0.9533333333333334

Features: ['lambda\_1', 'sepal-width', 'sepal-length', 'petal-width']

Accuracy score 3: 0.9533333333333334

Features: ['lambda\_1', 'sepal-width', 'sepal-length', 'petal-width']

Accuracy score 4: 0.9533333333333334

Features: ['lambda\_1', 'sepal-width', 'petal-length', 'petal-width']

Accuracy score 5: 0.9533333333333334

Generation: 8

Features: ['lambda\_1', 'sepal-length']

Accuracy score 1: 0.9533333333333334

Features: ['lambda\_1', 'petal-width', 'sepal-width']

Accuracy score 2: 0.9533333333333334

Features: ['lambda\_1', 'sepal-width', 'sepal-length', 'petal-width']

Accuracy score 3: 0.9533333333333334

Features: ['lambda\_1', 'sepal-width', 'sepal-length', 'petal-width']

Accuracy score 4: 0.9533333333333334

Features: ['lambda\_1', 'sepal-width', 'petal-length', 'petal-width']

Accuracy score 5: 0.9533333333333334

Generation: 9

Features: ['lambda\_1', 'sepal-length']

Accuracy score 1: 0.9533333333333334

Features: ['lambda\_1', 'petal-width', 'sepal-width']

Accuracy score 2: 0.9533333333333334

Features: ['lambda\_1', 'sepal-width', 'sepal-length', 'petal-width']

Accuracy score 3: 0.9533333333333334

Features: ['lambda\_1', 'sepal-width', 'sepal-length', 'petal-width']

Accuracy score 4: 0.9533333333333334

Features: ['lambda\_1', 'sepal-width', 'petal-length', 'petal-width']

Accuracy score 5: 0.9533333333333334

Generation: 10

Features: ['lambda\_1', 'sepal-length']

Accuracy score 1: 0.9533333333333334

Features: ['lambda\_1', 'petal-width', 'sepal-width']

Accuracy score 2: 0.9533333333333334

Features: ['lambda\_1', 'sepal-width', 'sepal-length', 'petal-width']

Accuracy score 3: 0.9533333333333334

Features: ['lambda\_1', 'sepal-width', 'sepal-length', 'petal-width']

Accuracy score 4: 0.9533333333333334

Features: ['lambda\_1', 'sepal-width', 'petal-length', 'petal-width']

Accuracy score 5: 0.9533333333333334

Generation: 11

Features: ['lambda\_1', 'sepal-length']

Accuracy score 1: 0.9533333333333334

Features: ['lambda\_1', 'petal-width', 'sepal-width']

Accuracy score 2: 0.9533333333333334

Features: ['lambda\_1', 'sepal-width', 'sepal-length', 'petal-width']

Accuracy score 3: 0.9533333333333334

Features: ['lambda\_1', 'sepal-width', 'sepal-length', 'petal-width']

Accuracy score 4: 0.9533333333333334

Features: ['lambda\_1', 'sepal-width', 'petal-length', 'petal-width']

Accuracy score 5: 0.9533333333333334

Generation: 12

Features: ['lambda\_1', 'sepal-length']

Accuracy score 1: 0.9533333333333334

Features: ['lambda\_1', 'petal-width', 'sepal-width']

Accuracy score 2: 0.9533333333333334

Features: ['lambda\_1', 'sepal-width', 'sepal-length', 'petal-width']

Accuracy score 3: 0.9533333333333334

Features: ['lambda\_1', 'sepal-width', 'sepal-length', 'petal-width']

Accuracy score 4: 0.9533333333333334

Features: ['lambda\_1', 'sepal-width', 'petal-length', 'petal-width']

Accuracy score 5: 0.9533333333333334

Generation: 13

Features: ['lambda\_1', 'sepal-length']

Accuracy score 1: 0.9533333333333334

Features: ['lambda\_1', 'petal-width', 'sepal-width']

Accuracy score 2: 0.9533333333333334

Features: ['lambda\_1', 'sepal-width', 'sepal-length', 'petal-width']



Accuracy score 3: 0.9533333333333334

Features: ['lambda\_1', 'sepal-width', 'sepal-length', 'petal-width']

Accuracy score 4: 0.9533333333333334

Features: ['lambda\_1', 'sepal-width', 'petal-length', 'petal-width']

Accuracy score 5: 0.9533333333333334

Generation: 14

Features: ['lambda\_1', 'sepal-length']

Accuracy score 1: 0.9533333333333334

Features: ['lambda\_1', 'petal-width', 'sepal-width']

Accuracy score 2: 0.9533333333333334

Features: ['lambda\_1', 'sepal-width', 'sepal-length', 'petal-width']

Accuracy score 3: 0.9533333333333334

Features: ['lambda\_1', 'sepal-width', 'sepal-length', 'petal-width']

Accuracy score 4: 0.9533333333333334

Features: ['lambda\_1', 'sepal-width', 'petal-length', 'petal-width']

Accuracy score 5: 0.9533333333333334

Generation: 15

Features: ['lambda\_1', 'sepal-length']

Accuracy score 1: 0.9533333333333334

Features: ['lambda\_1', 'petal-width', 'sepal-width']

Accuracy score 2: 0.9533333333333334

Features: ['lambda\_1', 'sepal-width', 'sepal-length', 'petal-width']

Accuracy score 3: 0.9533333333333334

Features: ['lambda\_1', 'sepal-width', 'sepal-length', 'petal-width']

Accuracy score 4: 0.9533333333333334

Features: ['lambda\_1', 'sepal-width', 'petal-length', 'petal-width']

Accuracy score 5: 0.9533333333333334

Generation: 16

Features: ['lambda\_1', 'sepal-length']

Accuracy score 1: 0.9533333333333334

Features: ['lambda\_1', 'petal-width', 'sepal-width']

Accuracy score 2: 0.9533333333333334

Features: ['lambda\_1', 'sepal-width', 'sepal-length', 'petal-width']

Accuracy score 3: 0.9533333333333334

Features: ['lambda\_1', 'sepal-width', 'sepal-length', 'petal-width']

Accuracy score 4: 0.9533333333333334

Features: ['lambda\_1', 'sepal-width', 'petal-length', 'petal-width']

Accuracy score 5: 0.9533333333333334

Generation: 17

Features: ['lambda\_1', 'sepal-length']

Accuracy score 1: 0.9533333333333334

Features: ['lambda\_1', 'petal-width', 'sepal-width']

Accuracy score 2: 0.9533333333333334

Features: ['lambda\_1', 'sepal-width', 'sepal-length', 'petal-width']

Accuracy score 3: 0.9533333333333334

Features: ['lambda\_1', 'sepal-width', 'sepal-length', 'petal-width']

Accuracy score 4: 0.9533333333333334

Features: ['lambda\_1', 'sepal-width', 'petal-length', 'petal-width']

Accuracy score 5: 0.9533333333333334

Generation: 18

Features: ['lambda\_1', 'sepal-length']

Accuracy score 1: 0.9533333333333334

Features: ['lambda\_1', 'petal-width', 'sepal-width']

Accuracy score 2: 0.9533333333333334

Features: ['lambda\_1', 'sepal-width', 'sepal-length', 'petal-width']

Accuracy score 3: 0.9533333333333334

Features: ['lambda\_1', 'sepal-width', 'sepal-length', 'petal-width']

Accuracy score 4: 0.9533333333333334

Features: ['lambda\_1', 'sepal-width', 'petal-length', 'petal-width']

Accuracy score 5: 0.9533333333333334

Generation: 19

Features: ['lambda\_1', 'sepal-length']

Accuracy score 1: 0.9533333333333334

Features: ['lambda\_1', 'petal-width', 'sepal-width']

Accuracy score 2: 0.9533333333333334

Features: ['lambda\_1', 'sepal-width', 'sepal-length', 'petal-width']

Accuracy score 3: 0.9533333333333334

Features: ['lambda\_1', 'sepal-width', 'sepal-length', 'petal-width']

Accuracy score 4: 0.9533333333333334

Features: ['lambda\_1', 'sepal-width', 'petal-length', 'petal-width']

Accuracy score 5: 0.9533333333333334

Generation: 20

Features: ['lambda\_1', 'sepal-length']

Accuracy score 1: 0.9533333333333334

Features: ['lambda\_1', 'petal-width', 'sepal-width']

Accuracy score 2: 0.9533333333333334

Features: ['lambda\_1', 'sepal-width', 'sepal-length', 'petal-width']

Accuracy score 3: 0.9533333333333334

Features: ['lambda\_1', 'sepal-width', 'sepal-length', 'petal-width']

Accuracy score 4: 0.9533333333333334

Features: ['lambda\_1', 'sepal-width', 'petal-length', 'petal-width']

Accuracy score 5: 0.9533333333333334

Generation: 21

Features: ['lambda\_1', 'sepal-length']

Accuracy score 1: 0.9533333333333334

Features: ['lambda\_1', 'petal-width', 'sepal-width']

Accuracy score 2: 0.9533333333333334

Features: ['lambda\_1', 'sepal-width', 'sepal-length', 'petal-width']

Accuracy score 3: 0.9533333333333334

Features: ['lambda\_1', 'sepal-width', 'sepal-length', 'petal-width']

Accuracy score 4: 0.9533333333333334

Features: ['lambda\_1', 'sepal-width', 'petal-length', 'petal-width']

Accuracy score 5: 0.9533333333333334

Generation: 22

Features: ['lambda\_1', 'sepal-length']

Accuracy score 1: 0.9533333333333334

Features: ['lambda\_1', 'petal-width', 'sepal-width']

Accuracy score 2: 0.9533333333333334

Features: ['lambda\_1', 'sepal-width', 'sepal-length', 'petal-width']

Accuracy score 3: 0.9533333333333334

Features: ['lambda\_1', 'sepal-width', 'sepal-length', 'petal-width']

Accuracy score 4: 0.9533333333333334

Features: ['lambda\_1', 'sepal-width', 'petal-length', 'petal-width']

Accuracy score 5: 0.9533333333333334

Generation: 23

Features: ['lambda\_1', 'sepal-length']

Accuracy score 1: 0.9533333333333334

Features: ['lambda\_1', 'petal-width', 'sepal-width']

Accuracy score 2: 0.9533333333333334

Features: ['lambda\_1', 'sepal-width', 'sepal-length', 'petal-width']

Accuracy score 3: 0.9533333333333334

Features: ['lambda\_1', 'sepal-width', 'sepal-length', 'petal-width']

Accuracy score 4: 0.9533333333333334

Features: ['lambda\_1', 'sepal-width', 'petal-length', 'petal-width']

Accuracy score 5: 0.9533333333333334

Generation: 24

Features: ['lambda\_1', 'sepal-length']

Accuracy score 1: 0.9533333333333334

Features: ['lambda\_1', 'petal-width', 'sepal-width']

Accuracy score 2: 0.9533333333333334

Features: ['lambda\_1', 'sepal-width', 'sepal-length', 'petal-width']

Accuracy score 3: 0.9533333333333334

Features: ['lambda\_1', 'sepal-width', 'sepal-length', 'petal-width']

Accuracy score 4: 0.9533333333333334

Features: ['lambda\_1', 'sepal-width', 'petal-length', 'petal-width']

Accuracy score 5: 0.9533333333333334

Generation: 25

Features: ['lambda\_1', 'sepal-length']

Accuracy score 1: 0.9533333333333334

Features: ['lambda\_1', 'petal-width', 'sepal-width']

Accuracy score 2: 0.9533333333333334

Features: ['lambda\_1', 'sepal-width', 'sepal-length', 'petal-width']

Accuracy score 3: 0.9533333333333334

Features: ['lambda\_1', 'sepal-width', 'sepal-length', 'petal-width']

Accuracy score 4: 0.9533333333333334

Features: ['lambda\_1', 'sepal-width', 'petal-length', 'petal-width']

Accuracy score 5: 0.9533333333333334

Generation: 26

Features: ['lambda\_1', 'sepal-length']

Accuracy score 1: 0.9533333333333334

Features: ['lambda\_1', 'petal-width', 'sepal-width']

Accuracy score 2: 0.9533333333333334

Features: ['lambda\_1', 'sepal-width', 'sepal-length', 'petal-width']

Accuracy score 3: 0.9533333333333334

Features: ['lambda\_1', 'sepal-width', 'sepal-length', 'petal-width']

Accuracy score 4: 0.9533333333333334

Features: ['lambda\_1', 'sepal-width', 'petal-length', 'petal-width']

Accuracy score 5: 0.9533333333333334

Generation: 27

Features: ['lambda\_1', 'sepal-length']

Accuracy score 1: 0.9533333333333334

Features: ['lambda\_1', 'petal-width', 'sepal-width']

Accuracy score 2: 0.9533333333333334

Features: ['lambda\_1', 'sepal-width', 'sepal-length', 'petal-width']

Accuracy score 3: 0.9533333333333334

Features: ['lambda\_1', 'sepal-width', 'sepal-length', 'petal-width']

Accuracy score 4: 0.9533333333333334

Features: ['lambda\_1', 'sepal-width', 'petal-length', 'petal-width']

Accuracy score 5: 0.9533333333333334

Generation: 28

Features: ['lambda\_1', 'sepal-length']

Accuracy score 1: 0.9533333333333334

Features: ['lambda\_1', 'petal-width', 'sepal-width']

Accuracy score 2: 0.9533333333333334

Features: ['lambda\_1', 'sepal-width', 'sepal-length', 'petal-width']

Accuracy score 3: 0.9533333333333334

Features: ['lambda\_1', 'sepal-width', 'sepal-length', 'petal-width']

Accuracy score 4: 0.9533333333333334

Features: ['lambda\_1', 'sepal-width', 'petal-length', 'petal-width']

Accuracy score 5: 0.9533333333333334



Generation: 29

Features: ['lambda\_1', 'sepal-width', 'sepal-length', 'lambda\_4']

Accuracy score 1: 0.96

Features: ['lambda\_1', 'sepal-length']

Accuracy score 2: 0.9533333333333334

Features: ['lambda\_1', 'petal-width', 'sepal-width']

Accuracy score 3: 0.9533333333333334

Features: ['lambda\_1', 'sepal-width', 'sepal-length', 'petal-width']

Accuracy score 4: 0.9533333333333334

Features: ['lambda\_1', 'sepal-width', 'sepal-length', 'petal-width']

Accuracy score 5: 0.9533333333333334

Generation: 30

Features: ['lambda\_1', 'sepal-width', 'sepal-length', 'lambda\_4']

Accuracy score 1: 0.96

Features: ['lambda\_1', 'sepal-length']

Accuracy score 2: 0.9533333333333334

Features: ['lambda\_1', 'petal-width', 'sepal-width']

Accuracy score 3: 0.9533333333333334

Features: ['lambda\_1', 'sepal-width', 'sepal-length', 'petal-width']

Accuracy score 4: 0.9533333333333334

Features: ['lambda\_1', 'sepal-width', 'sepal-length', 'petal-width']

Accuracy score 5: 0.9533333333333334

Generation: 31

Features: ['lambda\_1', 'sepal-width', 'sepal-length', 'lambda\_4']

Accuracy score 1: 0.96

Features: ['lambda\_1', 'sepal-length']

Accuracy score 2: 0.9533333333333334

Features: ['lambda\_1', 'petal-width', 'sepal-width']

Accuracy score 3: 0.9533333333333334

Features: ['lambda\_1', 'sepal-width', 'sepal-length', 'petal-width']

Accuracy score 4: 0.9533333333333334

Features: ['lambda\_1', 'sepal-width', 'sepal-length', 'petal-width']

Accuracy score 5: 0.9533333333333334

Generation: 32

Features: ['lambda\_1', 'sepal-width', 'sepal-length', 'lambda\_4']

Accuracy score 1: 0.96

Features: ['lambda\_1', 'sepal-length']

Accuracy score 2: 0.9533333333333334

Features: ['lambda\_1', 'petal-width', 'sepal-width']

Accuracy score 3: 0.9533333333333334

Features: ['lambda\_1', 'sepal-width', 'sepal-length', 'petal-width']

Accuracy score 4: 0.9533333333333334

Features: ['lambda\_1', 'sepal-width', 'sepal-length', 'petal-width']

Accuracy score 5: 0.9533333333333334

Generation: 33

Features: ['lambda\_1', 'sepal-width', 'sepal-length', 'lambda\_4']

Accuracy score 1: 0.96

Features: ['lambda\_1', 'sepal-length', 'lambda\_4']

Accuracy score 2: 0.96

Features: ['lambda\_1', 'sepal-length']

Accuracy score 3: 0.9533333333333334

Features: ['lambda\_1', 'petal-width', 'sepal-width']

Accuracy score 4: 0.9533333333333334

Features: ['lambda\_1', 'sepal-width', 'sepal-length', 'petal-width']

Accuracy score 5: 0.9533333333333334

Generation: 34

Features: ['lambda\_1', 'sepal-width', 'sepal-length', 'lambda\_4']

Accuracy score 1: 0.96

Features: ['lambda\_1', 'sepal-length', 'lambda\_4']

Accuracy score 2: 0.96

Features: ['lambda\_1', 'sepal-length']

Accuracy score 3: 0.9533333333333334

Features: ['lambda\_1', 'petal-width', 'sepal-width']

Accuracy score 4: 0.9533333333333334

Features: ['lambda\_1', 'sepal-width', 'sepal-length', 'petal-width']

Accuracy score 5: 0.9533333333333334

Generation: 35

Features: ['lambda\_1', 'sepal-width', 'sepal-length', 'lambda\_4']

Accuracy score 1: 0.96

Features: ['lambda\_1', 'sepal-length', 'lambda\_4']

Accuracy score 2: 0.96

Features: ['lambda\_1', 'sepal-length']

Accuracy score 3: 0.9533333333333334

Features: ['lambda\_1', 'petal-width', 'sepal-width']

Accuracy score 4: 0.9533333333333334

Features: ['lambda\_1', 'sepal-width', 'sepal-length', 'petal-width']

Accuracy score 5: 0.9533333333333334

Generation: 36

Features: ['lambda\_1', 'sepal-width', 'sepal-length', 'lambda\_4']

Accuracy score 1: 0.96

Features: ['lambda\_1', 'sepal-length', 'lambda\_4']

Accuracy score 2: 0.96

Features: ['lambda\_1', 'sepal-length']

Accuracy score 3: 0.9533333333333334

Features: ['lambda\_1', 'petal-width', 'sepal-width']

Accuracy score 4: 0.9533333333333334

Features: ['lambda\_1', 'sepal-width', 'sepal-length', 'petal-width']

Accuracy score 5: 0.9533333333333334

Generation: 37

Features: ['lambda\_1', 'sepal-width', 'sepal-length', 'lambda\_4']

Accuracy score 1: 0.96

Features: ['lambda\_1', 'sepal-length', 'lambda\_4']

Accuracy score 2: 0.96

Features: ['lambda\_1', 'sepal-length']

Accuracy score 3: 0.9533333333333334

Features: ['lambda\_1', 'petal-width', 'sepal-width']

Accuracy score 4: 0.9533333333333334

Features: ['lambda\_1', 'sepal-width', 'sepal-length', 'petal-width']

Accuracy score 5: 0.9533333333333334

Generation: 38

Features: ['lambda\_1', 'sepal-width', 'sepal-length', 'lambda\_4']

Accuracy score 1: 0.96

Features: ['lambda\_1', 'sepal-length', 'lambda\_4']

Accuracy score 2: 0.96

Features: ['lambda\_1', 'sepal-length']

Accuracy score 3: 0.9533333333333334

Features: ['lambda\_1', 'petal-width', 'sepal-width']

Accuracy score 4: 0.9533333333333334

Features: ['lambda\_1', 'sepal-width', 'sepal-length', 'petal-width']

Accuracy score 5: 0.9533333333333334

Generation: 39

Features: ['lambda\_1', 'sepal-width', 'sepal-length', 'lambda\_4']

Accuracy score 1: 0.96

Features: ['lambda\_1', 'sepal-length', 'lambda\_4']

Accuracy score 2: 0.96

Features: ['lambda\_1', 'sepal-length']

Accuracy score 3: 0.9533333333333334

Features: ['lambda\_1', 'petal-width', 'sepal-width']

Accuracy score 4: 0.9533333333333334

Features: ['lambda\_1', 'sepal-width', 'sepal-length', 'petal-width']

Accuracy score 5: 0.9533333333333334

Generation: 40

Features: ['lambda\_1', 'sepal-width', 'sepal-length', 'lambda\_4']

Accuracy score 1: 0.96

Features: ['lambda\_1', 'sepal-length', 'lambda\_4']

Accuracy score 2: 0.96

Features: ['lambda\_1', 'sepal-length']

Accuracy score 3: 0.9533333333333334

Features: ['lambda\_1', 'petal-width', 'sepal-width']

Accuracy score 4: 0.9533333333333334

Features: ['lambda\_1', 'sepal-width', 'sepal-length', 'petal-width']

Accuracy score 5: 0.9533333333333334

Generation: 41

Features: ['lambda\_1', 'sepal-width', 'sepal-length', 'lambda\_4']

Accuracy score 1: 0.96

Features: ['lambda\_1', 'sepal-length', 'lambda\_4']

Accuracy score 2: 0.96

Features: ['lambda\_1', 'sepal-length']

Accuracy score 3: 0.9533333333333334

Features: ['lambda\_1', 'petal-width', 'sepal-width']

Accuracy score 4: 0.9533333333333334

Features: ['lambda\_1', 'sepal-width', 'sepal-length', 'petal-width']

Accuracy score 5: 0.9533333333333334

Generation: 42

Features: ['lambda\_1', 'sepal-width', 'sepal-length', 'lambda\_4']

Accuracy score 1: 0.96

Features: ['lambda\_1', 'sepal-length', 'lambda\_4']

Accuracy score 2: 0.96

Features: ['lambda\_1', 'lambda\_4', 'sepal-width', 'sepal-length']

Accuracy score 3: 0.96

Features: ['lambda\_1', 'sepal-length']

Accuracy score 4: 0.9533333333333334

Features: ['lambda\_1', 'petal-width', 'sepal-width']

Accuracy score 5: 0.9533333333333334

Generation: 43

Features: ['lambda\_1', 'sepal-width', 'sepal-length', 'lambda\_4']

Accuracy score 1: 0.96

Features: ['lambda\_1', 'sepal-length', 'lambda\_4']

Accuracy score 2: 0.96

Features: ['lambda\_1', 'lambda\_4', 'sepal-width', 'sepal-length']

Accuracy score 3: 0.96

Features: ['lambda\_1', 'sepal-length']

Accuracy score 4: 0.9533333333333334

Features: ['lambda\_1', 'petal-width', 'sepal-width']

Accuracy score 5: 0.9533333333333334

Generation: 44

Features: ['lambda\_1', 'sepal-width', 'sepal-length', 'lambda\_4']

Accuracy score 1: 0.96



Features: ['lambda\_1', 'sepal-length', 'lambda\_4']

Accuracy score 2: 0.96

Features: ['lambda\_1', 'lambda\_4', 'sepal-width', 'sepal-length']

Accuracy score 3: 0.96

Features: ['lambda\_1', 'sepal-length']

Accuracy score 4: 0.9533333333333334

Features: ['lambda\_1', 'petal-width', 'sepal-width']

Accuracy score 5: 0.9533333333333334

Generation: 45

Features: ['lambda\_1', 'sepal-width', 'sepal-length', 'lambda\_4']

Accuracy score 1: 0.96

Features: ['lambda\_1', 'sepal-length', 'lambda\_4']

Accuracy score 2: 0.96

Features: ['lambda\_1', 'lambda\_4', 'sepal-width', 'sepal-length']

Accuracy score 3: 0.96

Features: ['lambda\_1', 'sepal-length']

Accuracy score 4: 0.9533333333333334

Features: ['lambda\_1', 'petal-width', 'sepal-width']

Accuracy score 5: 0.9533333333333334

Generation: 46

Features: ['lambda\_1', 'sepal-width', 'sepal-length', 'lambda\_4']

Accuracy score 1: 0.96

Features: ['lambda\_1', 'sepal-length', 'lambda\_4']

Accuracy score 2: 0.96

Features: ['lambda\_1', 'lambda\_4', 'sepal-width', 'sepal-length']

Accuracy score 3: 0.96

Features: ['lambda\_1', 'sepal-length']

Accuracy score 4: 0.9533333333333334

Features: ['lambda\_1', 'petal-width', 'sepal-width']

Accuracy score 5: 0.9533333333333334

Generation: 47

Features: ['lambda\_1', 'sepal-width', 'sepal-length', 'lambda\_4']

Accuracy score 1: 0.96

Features: ['lambda\_1', 'sepal-length', 'lambda\_4']

Accuracy score 2: 0.96

Features: ['lambda\_1', 'lambda\_4', 'sepal-width', 'sepal-length']

Accuracy score 3: 0.96

Features: ['lambda\_1', 'lambda\_4', 'sepal-length']

Accuracy score 4: 0.96

Features: ['lambda\_1', 'sepal-length']

Accuracy score 5: 0.9533333333333334

Generation: 48

Features: ['lambda\_1', 'sepal-width', 'sepal-length', 'lambda\_4']

Accuracy score 1: 0.96

Features: ['lambda\_1', 'sepal-length', 'lambda\_4']

Accuracy score 2: 0.96

Features: ['lambda\_1', 'lambda\_4', 'sepal-width', 'sepal-length']

Accuracy score 3: 0.96

Features: ['lambda\_1', 'lambda\_4', 'sepal-length']

Accuracy score 4: 0.96

Features: ['lambda\_1', 'lambda\_4', 'sepal-width', 'sepal-length']

Accuracy score 5: 0.96

Generation: 49

Features: ['lambda\_1', 'sepal-width', 'sepal-length', 'lambda\_4']

Accuracy score 1: 0.96

Features: ['lambda\_1', 'sepal-length', 'lambda\_4']

Accuracy score 2: 0.96

Features: ['lambda\_1', 'lambda\_4', 'sepal-width', 'sepal-length']

Accuracy score 3: 0.96

Features: ['lambda\_1', 'lambda\_4', 'sepal-length']

Accuracy score 4: 0.96

Features: ['lambda\_1', 'lambda\_4', 'sepal-width', 'sepal-length']

Accuracy score 5: 0.96

Generation: 50

Features: ['lambda\_1', 'sepal-width', 'sepal-length', 'lambda\_4']

Accuracy score 1: 0.96

Features: ['lambda\_1', 'sepal-length', 'lambda\_4']

Accuracy score 2: 0.96

Features: ['lambda\_1', 'lambda\_4', 'sepal-width', 'sepal-length']

Accuracy score 3: 0.96

Features: ['lambda\_1', 'lambda\_4', 'sepal-length']

Accuracy score 4: 0.96

Features: ['lambda\_1', 'lambda\_4', 'sepal-width', 'sepal-length']

Accuracy score 5: 0.96

Generation: 51

Features: ['lambda\_1', 'sepal-width', 'sepal-length', 'lambda\_4']

Accuracy score 1: 0.96

Features: ['lambda\_1', 'sepal-length', 'lambda\_4']

Accuracy score 2: 0.96

Features: ['lambda\_1', 'lambda\_4', 'sepal-width', 'sepal-length']

Accuracy score 3: 0.96

Features: ['lambda\_1', 'lambda\_4', 'sepal-length']

Accuracy score 4: 0.96

Features: ['lambda\_1', 'lambda\_4', 'sepal-width', 'sepal-length']

Accuracy score 5: 0.96

Generation: 52

Features: ['lambda\_1', 'sepal-width', 'sepal-length', 'lambda\_4']

Accuracy score 1: 0.96

Features: ['lambda\_1', 'sepal-length', 'lambda\_4']

Accuracy score 2: 0.96

Features: ['lambda\_1', 'lambda\_4', 'sepal-width', 'sepal-length']

Accuracy score 3: 0.96

Features: ['lambda\_1', 'lambda\_4', 'sepal-length']

Accuracy score 4: 0.96

Features: ['lambda\_1', 'lambda\_4', 'sepal-width', 'sepal-length']

Accuracy score 5: 0.96

Generation: 53

Features: ['lambda\_1', 'sepal-width', 'sepal-length', 'lambda\_4']

Accuracy score 1: 0.96

Features: ['lambda\_1', 'sepal-length', 'lambda\_4']

Accuracy score 2: 0.96

Features: ['lambda\_1', 'lambda\_4', 'sepal-width', 'sepal-length']

Accuracy score 3: 0.96

Features: ['lambda\_1', 'lambda\_4', 'sepal-length']

Accuracy score 4: 0.96

Features: ['lambda\_1', 'lambda\_4', 'sepal-width', 'sepal-length']

Accuracy score 5: 0.96

Generation: 54

Features: ['lambda\_1', 'sepal-width', 'sepal-length', 'lambda\_4']

Accuracy score 1: 0.96

Features: ['lambda\_1', 'sepal-length', 'lambda\_4']

Accuracy score 2: 0.96

Features: ['lambda\_1', 'lambda\_4', 'sepal-width', 'sepal-length']

Accuracy score 3: 0.96

Features: ['lambda\_1', 'lambda\_4', 'sepal-length']

Accuracy score 4: 0.96

Features: ['lambda\_1', 'lambda\_4', 'sepal-width', 'sepal-length']

Accuracy score 5: 0.96

Generation: 55

Features: ['lambda\_1', 'sepal-width', 'sepal-length', 'lambda\_4']

Accuracy score 1: 0.96

Features: ['lambda\_1', 'sepal-length', 'lambda\_4']

Accuracy score 2: 0.96

Features: ['lambda\_1', 'lambda\_4', 'sepal-width', 'sepal-length']

Accuracy score 3: 0.96

Features: ['lambda\_1', 'lambda\_4', 'sepal-length']

Accuracy score 4: 0.96

Features: ['lambda\_1', 'lambda\_4', 'sepal-width', 'sepal-length']

Accuracy score 5: 0.96

Generation: 56

Features: ['lambda\_1', 'sepal-width', 'sepal-length', 'lambda\_4']

Accuracy score 1: 0.96

Features: ['lambda\_1', 'sepal-length', 'lambda\_4']

Accuracy score 2: 0.96

Features: ['lambda\_1', 'lambda\_4', 'sepal-width', 'sepal-length']

Accuracy score 3: 0.96

Features: ['lambda\_1', 'lambda\_4', 'sepal-length']

Accuracy score 4: 0.96

Features: ['lambda\_1', 'lambda\_4', 'sepal-width', 'sepal-length']

Accuracy score 5: 0.96

Generation: 57

Features: ['lambda\_1', 'sepal-width', 'sepal-length', 'lambda\_4']

Accuracy score 1: 0.96

Features: ['lambda\_1', 'sepal-length', 'lambda\_4']

Accuracy score 2: 0.96

Features: ['lambda\_1', 'lambda\_4', 'sepal-width', 'sepal-length']

Accuracy score 3: 0.96

Features: ['lambda\_1', 'lambda\_4', 'sepal-length']

Accuracy score 4: 0.96

Features: ['lambda\_1', 'lambda\_4', 'sepal-width', 'sepal-length']

Accuracy score 5: 0.96

Generation: 58

Features: ['lambda\_1', 'sepal-width', 'sepal-length', 'lambda\_4']

Accuracy score 1: 0.96

Features: ['lambda\_1', 'sepal-length', 'lambda\_4']

Accuracy score 2: 0.96

Features: ['lambda\_1', 'lambda\_4', 'sepal-width', 'sepal-length']

Accuracy score 3: 0.96

Features: ['lambda\_1', 'lambda\_4', 'sepal-length']

Accuracy score 4: 0.96

Features: ['lambda\_1', 'lambda\_4', 'sepal-width', 'sepal-length']

Accuracy score 5: 0.96

Generation: 59

Features: ['lambda\_1', 'sepal-width', 'sepal-length', 'lambda\_4']

Accuracy score 1: 0.96

Features: ['lambda\_1', 'sepal-length', 'lambda\_4']

Accuracy score 2: 0.96

Features: ['lambda\_1', 'lambda\_4', 'sepal-width', 'sepal-length']

Accuracy score 3: 0.96

Features: ['lambda\_1', 'lambda\_4', 'sepal-length']



Accuracy score 4: 0.96

Features: ['lambda\_1', 'lambda\_4', 'sepal-width', 'sepal-length']

Accuracy score 5: 0.96

Generation: 60

Features: ['lambda\_1', 'sepal-width', 'sepal-length', 'lambda\_4']

Accuracy score 1: 0.96

Features: ['lambda\_1', 'sepal-length', 'lambda\_4']

Accuracy score 2: 0.96

Features: ['lambda\_1', 'lambda\_4', 'sepal-width', 'sepal-length']

Accuracy score 3: 0.96

Features: ['lambda\_1', 'lambda\_4', 'sepal-length']

Accuracy score 4: 0.96

Features: ['lambda\_1', 'lambda\_4', 'sepal-width', 'sepal-length']

Accuracy score 5: 0.96

Generation: 61

Features: ['lambda\_1', 'sepal-width', 'sepal-length', 'lambda\_4']

Accuracy score 1: 0.96

Features: ['lambda\_1', 'sepal-length', 'lambda\_4']

Accuracy score 2: 0.96

Features: ['lambda\_1', 'lambda\_4', 'sepal-width', 'sepal-length']

Accuracy score 3: 0.96

Features: ['lambda\_1', 'lambda\_4', 'sepal-length']

Accuracy score 4: 0.96

Features: ['lambda\_1', 'lambda\_4', 'sepal-width', 'sepal-length']

Accuracy score 5: 0.96

Generation: 62

Features: ['lambda\_1', 'sepal-width', 'sepal-length', 'lambda\_4']

Accuracy score 1: 0.96

Features: ['lambda\_1', 'sepal-length', 'lambda\_4']

Accuracy score 2: 0.96

Features: ['lambda\_1', 'lambda\_4', 'sepal-width', 'sepal-length']

Accuracy score 3: 0.96

Features: ['lambda\_1', 'lambda\_4', 'sepal-length']

Accuracy score 4: 0.96

Features: ['lambda\_1', 'lambda\_4', 'sepal-width', 'sepal-length']

Accuracy score 5: 0.96

Generation: 63

Features: ['lambda\_1', 'sepal-width', 'sepal-length', 'lambda\_4']

Accuracy score 1: 0.96

Features: ['lambda\_1', 'sepal-length', 'lambda\_4']

Accuracy score 2: 0.96

Features: ['lambda\_1', 'lambda\_4', 'sepal-width', 'sepal-length']

Accuracy score 3: 0.96

Features: ['lambda\_1', 'lambda\_4', 'sepal-length']

Accuracy score 4: 0.96

Features: ['lambda\_1', 'lambda\_4', 'sepal-width', 'sepal-length']

Accuracy score 5: 0.96

Generation: 64

Features: ['lambda\_1', 'sepal-width', 'sepal-length', 'lambda\_4']

Accuracy score 1: 0.96

Features: ['lambda\_1', 'sepal-length', 'lambda\_4']

Accuracy score 2: 0.96

Features: ['lambda\_1', 'lambda\_4', 'sepal-width', 'sepal-length']

Accuracy score 3: 0.96

Features: ['lambda\_1', 'lambda\_4', 'sepal-length']

Accuracy score 4: 0.96

Features: ['lambda\_1', 'lambda\_4', 'sepal-width', 'sepal-length']

Accuracy score 5: 0.96

Generation: 65

Features: ['lambda\_1', 'sepal-width', 'sepal-length', 'lambda\_4']

Accuracy score 1: 0.96

Features: ['lambda\_1', 'sepal-length', 'lambda\_4']

Accuracy score 2: 0.96

Features: ['lambda\_1', 'lambda\_4', 'sepal-width', 'sepal-length']

Accuracy score 3: 0.96

Features: ['lambda\_1', 'lambda\_4', 'sepal-length']

Accuracy score 4: 0.96

Features: ['lambda\_1', 'lambda\_4', 'sepal-width', 'sepal-length']

Accuracy score 5: 0.96

Generation: 66

Features: ['lambda\_1', 'sepal-width', 'sepal-length', 'lambda\_4']

Accuracy score 1: 0.96

Features: ['lambda\_1', 'sepal-length', 'lambda\_4']

Accuracy score 2: 0.96

Features: ['lambda\_1', 'lambda\_4', 'sepal-width', 'sepal-length']

Accuracy score 3: 0.96

Features: ['lambda\_1', 'lambda\_4', 'sepal-length']

Accuracy score 4: 0.96

Features: ['lambda\_1', 'lambda\_4', 'sepal-width', 'sepal-length']

Accuracy score 5: 0.96

Generation: 67

Features: ['lambda\_1', 'sepal-width', 'sepal-length', 'lambda\_4']

Accuracy score 1: 0.96

Features: ['lambda\_1', 'sepal-length', 'lambda\_4']

Accuracy score 2: 0.96

Features: ['lambda\_1', 'lambda\_4', 'sepal-width', 'sepal-length']

Accuracy score 3: 0.96

Features: ['lambda\_1', 'lambda\_4', 'sepal-length']

Accuracy score 4: 0.96

Features: ['lambda\_1', 'lambda\_4', 'sepal-width', 'sepal-length']

Accuracy score 5: 0.96

Generation: 68

Features: ['lambda\_1', 'sepal-width', 'sepal-length', 'lambda\_4']

Accuracy score 1: 0.96

Features: ['lambda\_1', 'sepal-length', 'lambda\_4']

Accuracy score 2: 0.96

Features: ['lambda\_1', 'lambda\_4', 'sepal-width', 'sepal-length']

Accuracy score 3: 0.96

Features: ['lambda\_1', 'lambda\_4', 'sepal-length']

Accuracy score 4: 0.96

Features: ['lambda\_1', 'lambda\_4', 'sepal-width', 'sepal-length']

Accuracy score 5: 0.96

Generation: 69

Features: ['lambda\_1', 'sepal-width', 'sepal-length', 'lambda\_4']

Accuracy score 1: 0.96

Features: ['lambda\_1', 'sepal-length', 'lambda\_4']

Accuracy score 2: 0.96

Features: ['lambda\_1', 'lambda\_4', 'sepal-width', 'sepal-length']

Accuracy score 3: 0.96

Features: ['lambda\_1', 'lambda\_4', 'sepal-length']

Accuracy score 4: 0.96

Features: ['lambda\_1', 'lambda\_4', 'sepal-width', 'sepal-length']

Accuracy score 5: 0.96

Generation: 70

Features: ['lambda\_1', 'sepal-width', 'sepal-length', 'lambda\_4']

Accuracy score 1: 0.96

Features: ['lambda\_1', 'sepal-length', 'lambda\_4']

Accuracy score 2: 0.96

Features: ['lambda\_1', 'lambda\_4', 'sepal-width', 'sepal-length']

Accuracy score 3: 0.96

Features: ['lambda\_1', 'lambda\_4', 'sepal-length']

Accuracy score 4: 0.96

Features: ['lambda\_1', 'lambda\_4', 'sepal-width', 'sepal-length']

Accuracy score 5: 0.96

Generation: 71

Features: ['lambda\_1', 'sepal-width', 'sepal-length', 'lambda\_4']

Accuracy score 1: 0.96

Features: ['lambda\_1', 'sepal-length', 'lambda\_4']

Accuracy score 2: 0.96

Features: ['lambda\_1', 'lambda\_4', 'sepal-width', 'sepal-length']

Accuracy score 3: 0.96

Features: ['lambda\_1', 'lambda\_4', 'sepal-length']

Accuracy score 4: 0.96

Features: ['lambda\_1', 'lambda\_4', 'sepal-width', 'sepal-length']

Accuracy score 5: 0.96

Generation: 72

Features: ['lambda\_1', 'sepal-width', 'sepal-length', 'lambda\_4']

Accuracy score 1: 0.96

Features: ['lambda\_1', 'sepal-length', 'lambda\_4']

Accuracy score 2: 0.96

Features: ['lambda\_1', 'lambda\_4', 'sepal-width', 'sepal-length']

Accuracy score 3: 0.96

Features: ['lambda\_1', 'lambda\_4', 'sepal-length']

Accuracy score 4: 0.96

Features: ['lambda\_1', 'lambda\_4', 'sepal-width', 'sepal-length']

Accuracy score 5: 0.96

Generation: 73

Features: ['lambda\_1', 'sepal-width', 'sepal-length', 'lambda\_4']

Accuracy score 1: 0.96

Features: ['lambda\_1', 'sepal-length', 'lambda\_4']

Accuracy score 2: 0.96

Features: ['lambda\_1', 'lambda\_4', 'sepal-width', 'sepal-length']

Accuracy score 3: 0.96

Features: ['lambda\_1', 'lambda\_4', 'sepal-length']

Accuracy score 4: 0.96

Features: ['lambda\_1', 'lambda\_4', 'sepal-width', 'sepal-length']

Accuracy score 5: 0.96

Generation: 74

Features: ['lambda\_1', 'sepal-width', 'sepal-length', 'lambda\_4']

Accuracy score 1: 0.96

Features: ['lambda\_1', 'sepal-length', 'lambda\_4']

Accuracy score 2: 0.96

Features: ['lambda\_1', 'lambda\_4', 'sepal-width', 'sepal-length']

Accuracy score 3: 0.96

Features: ['lambda\_1', 'lambda\_4', 'sepal-length']

Accuracy score 4: 0.96

Features: ['lambda\_1', 'lambda\_4', 'sepal-width', 'sepal-length']

Accuracy score 5: 0.96



Generation: 75

Features: ['lambda\_1', 'sepal-width', 'sepal-length', 'lambda\_4']

Accuracy score 1: 0.96

Features: ['lambda\_1', 'sepal-length', 'lambda\_4']

Accuracy score 2: 0.96

Features: ['lambda\_1', 'lambda\_4', 'sepal-width', 'sepal-length']

Accuracy score 3: 0.96

Features: ['lambda\_1', 'lambda\_4', 'sepal-length']

Accuracy score 4: 0.96

Features: ['lambda\_1', 'lambda\_4', 'sepal-width', 'sepal-length']

Accuracy score 5: 0.96

Generation: 76

Features: ['lambda\_1', 'sepal-width', 'sepal-length', 'lambda\_4']

Accuracy score 1: 0.96

Features: ['lambda\_1', 'sepal-length', 'lambda\_4']

Accuracy score 2: 0.96

Features: ['lambda\_1', 'lambda\_4', 'sepal-width', 'sepal-length']

Accuracy score 3: 0.96

Features: ['lambda\_1', 'lambda\_4', 'sepal-length']

Accuracy score 4: 0.96

Features: ['lambda\_1', 'lambda\_4', 'sepal-width', 'sepal-length']

Accuracy score 5: 0.96

Generation: 77

Features: ['lambda\_1', 'sepal-width', 'sepal-length', 'lambda\_4']

Accuracy score 1: 0.96

Features: ['lambda\_1', 'sepal-length', 'lambda\_4']

Accuracy score 2: 0.96

Features: ['lambda\_1', 'lambda\_4', 'sepal-width', 'sepal-length']

Accuracy score 3: 0.96

Features: ['lambda\_1', 'lambda\_4', 'sepal-length']

Accuracy score 4: 0.96

Features: ['lambda\_1', 'lambda\_4', 'sepal-width', 'sepal-length']

Accuracy score 5: 0.96

Generation: 78

Features: ['lambda\_1', 'sepal-width', 'sepal-length', 'lambda\_4']

Accuracy score 1: 0.96

Features: ['lambda\_1', 'sepal-length', 'lambda\_4']

Accuracy score 2: 0.96

Features: ['lambda\_1', 'lambda\_4', 'sepal-width', 'sepal-length']

Accuracy score 3: 0.96

Features: ['lambda\_1', 'lambda\_4', 'sepal-length']

Accuracy score 4: 0.96

Features: ['lambda\_1', 'lambda\_4', 'sepal-width', 'sepal-length']

Accuracy score 5: 0.96

Generation: 79

Features: ['lambda\_1', 'sepal-width', 'sepal-length', 'lambda\_4']

Accuracy score 1: 0.96

Features: ['lambda\_1', 'sepal-length', 'lambda\_4']

Accuracy score 2: 0.96

Features: ['lambda\_1', 'lambda\_4', 'sepal-width', 'sepal-length']

Accuracy score 3: 0.96

Features: ['lambda\_1', 'lambda\_4', 'sepal-length']

Accuracy score 4: 0.96

Features: ['lambda\_1', 'lambda\_4', 'sepal-width', 'sepal-length']

Accuracy score 5: 0.96

Generation: 80

Features: ['lambda\_1', 'sepal-width', 'sepal-length', 'lambda\_4']

Accuracy score 1: 0.96

Features: ['lambda\_1', 'sepal-length', 'lambda\_4']

Accuracy score 2: 0.96

Features: ['lambda\_1', 'lambda\_4', 'sepal-width', 'sepal-length']

Accuracy score 3: 0.96

Features: ['lambda\_1', 'lambda\_4', 'sepal-length']

Accuracy score 4: 0.96

Features: ['lambda\_1', 'lambda\_4', 'sepal-width', 'sepal-length']

Accuracy score 5: 0.96

Generation: 81

Features: ['lambda\_1', 'sepal-width', 'sepal-length', 'lambda\_4']

Accuracy score 1: 0.96

Features: ['lambda\_1', 'sepal-length', 'lambda\_4']

Accuracy score 2: 0.96

Features: ['lambda\_1', 'lambda\_4', 'sepal-width', 'sepal-length']

Accuracy score 3: 0.96

Features: ['lambda\_1', 'lambda\_4', 'sepal-length']

Accuracy score 4: 0.96

Features: ['lambda\_1', 'lambda\_4', 'sepal-width', 'sepal-length']

Accuracy score 5: 0.96

Generation: 82

Features: ['lambda\_1', 'sepal-width', 'sepal-length', 'lambda\_4']

Accuracy score 1: 0.96

Features: ['lambda\_1', 'sepal-length', 'lambda\_4']

Accuracy score 2: 0.96

Features: ['lambda\_1', 'lambda\_4', 'sepal-width', 'sepal-length']

Accuracy score 3: 0.96

Features: ['lambda\_1', 'lambda\_4', 'sepal-length']

Accuracy score 4: 0.96

Features: ['lambda\_1', 'lambda\_4', 'sepal-width', 'sepal-length']

Accuracy score 5: 0.96

Generation: 83

Features: ['lambda\_1', 'sepal-width', 'sepal-length', 'lambda\_4']

Accuracy score 1: 0.96

Features: ['lambda\_1', 'sepal-length', 'lambda\_4']

Accuracy score 2: 0.96

Features: ['lambda\_1', 'lambda\_4', 'sepal-width', 'sepal-length']

Accuracy score 3: 0.96

Features: ['lambda\_1', 'lambda\_4', 'sepal-length']

Accuracy score 4: 0.96

Features: ['lambda\_1', 'lambda\_4', 'sepal-width', 'sepal-length']

Accuracy score 5: 0.96

Generation: 84

Features: ['lambda\_1', 'sepal-width', 'sepal-length', 'lambda\_4']

Accuracy score 1: 0.96

Features: ['lambda\_1', 'sepal-length', 'lambda\_4']

Accuracy score 2: 0.96

Features: ['lambda\_1', 'lambda\_4', 'sepal-width', 'sepal-length']

Accuracy score 3: 0.96

Features: ['lambda\_1', 'lambda\_4', 'sepal-length']

Accuracy score 4: 0.96

Features: ['lambda\_1', 'lambda\_4', 'sepal-width', 'sepal-length']

Accuracy score 5: 0.96

Generation: 85

Features: ['lambda\_1', 'sepal-width', 'sepal-length', 'lambda\_4']

Accuracy score 1: 0.96

Features: ['lambda\_1', 'sepal-length', 'lambda\_4']

Accuracy score 2: 0.96

Features: ['lambda\_1', 'lambda\_4', 'sepal-width', 'sepal-length']

Accuracy score 3: 0.96

Features: ['lambda\_1', 'lambda\_4', 'sepal-length']

Accuracy score 4: 0.96

Features: ['lambda\_1', 'lambda\_4', 'sepal-width', 'sepal-length']

Accuracy score 5: 0.96

Generation: 86

Features: ['lambda\_1', 'sepal-width', 'sepal-length', 'lambda\_4']

Accuracy score 1: 0.96

Features: ['lambda\_1', 'sepal-length', 'lambda\_4']

Accuracy score 2: 0.96

Features: ['lambda\_1', 'lambda\_4', 'sepal-width', 'sepal-length']

Accuracy score 3: 0.96

Features: ['lambda\_1', 'lambda\_4', 'sepal-length']

Accuracy score 4: 0.96

Features: ['lambda\_1', 'lambda\_4', 'sepal-width', 'sepal-length']

Accuracy score 5: 0.96

Generation: 87

Features: ['lambda\_1', 'sepal-width', 'sepal-length', 'lambda\_4']

Accuracy score 1: 0.96

Features: ['lambda\_1', 'sepal-length', 'lambda\_4']

Accuracy score 2: 0.96

Features: ['lambda\_1', 'lambda\_4', 'sepal-width', 'sepal-length']

Accuracy score 3: 0.96

Features: ['lambda\_1', 'lambda\_4', 'sepal-length']

Accuracy score 4: 0.96

Features: ['lambda\_1', 'lambda\_4', 'sepal-width', 'sepal-length']

Accuracy score 5: 0.96

Generation: 88

Features: ['lambda\_1', 'sepal-width', 'sepal-length', 'lambda\_4']

Accuracy score 1: 0.96

Features: ['lambda\_1', 'sepal-length', 'lambda\_4']

Accuracy score 2: 0.96

Features: ['lambda\_1', 'lambda\_4', 'sepal-width', 'sepal-length']

Accuracy score 3: 0.96

Features: ['lambda\_1', 'lambda\_4', 'sepal-length']

Accuracy score 4: 0.96

Features: ['lambda\_1', 'lambda\_4', 'sepal-width', 'sepal-length']

Accuracy score 5: 0.96

Generation: 89

Features: ['lambda\_1', 'sepal-width', 'sepal-length', 'lambda\_4']

Accuracy score 1: 0.96

Features: ['lambda\_1', 'sepal-length', 'lambda\_4']

Accuracy score 2: 0.96

Features: ['lambda\_1', 'lambda\_4', 'sepal-width', 'sepal-length']

Accuracy score 3: 0.96

Features: ['lambda\_1', 'lambda\_4', 'sepal-length']

Accuracy score 4: 0.96

Features: ['lambda\_1', 'lambda\_4', 'sepal-width', 'sepal-length']

Accuracy score 5: 0.96

Generation: 90

Features: ['lambda\_1', 'sepal-width', 'sepal-length', 'lambda\_4']

Accuracy score 1: 0.96

Features: ['lambda\_1', 'sepal-length', 'lambda\_4']

Accuracy score 2: 0.96



Features: ['lambda\_1', 'lambda\_4', 'sepal-width', 'sepal-length']

Accuracy score 3: 0.96

Features: ['lambda\_1', 'lambda\_4', 'sepal-length']

Accuracy score 4: 0.96

Features: ['lambda\_1', 'lambda\_4', 'sepal-width', 'sepal-length']

Accuracy score 5: 0.96

Generation: 91

Features: ['lambda\_1', 'sepal-width', 'sepal-length', 'lambda\_4']

Accuracy score 1: 0.96

Features: ['lambda\_1', 'sepal-length', 'lambda\_4']

Accuracy score 2: 0.96

Features: ['lambda\_1', 'lambda\_4', 'sepal-width', 'sepal-length']

Accuracy score 3: 0.96

Features: ['lambda\_1', 'lambda\_4', 'sepal-length']

Accuracy score 4: 0.96

Features: ['lambda\_1', 'lambda\_4', 'sepal-width', 'sepal-length']

Accuracy score 5: 0.96

Generation: 92

Features: ['lambda\_1', 'sepal-width', 'sepal-length', 'lambda\_4']

Accuracy score 1: 0.96

Features: ['lambda\_1', 'sepal-length', 'lambda\_4']

Accuracy score 2: 0.96

Features: ['lambda\_1', 'lambda\_4', 'sepal-width', 'sepal-length']

Accuracy score 3: 0.96

Features: ['lambda\_1', 'lambda\_4', 'sepal-length']

Accuracy score 4: 0.96

Features: ['lambda\_1', 'lambda\_4', 'sepal-width', 'sepal-length']

Accuracy score 5: 0.96

Generation: 93

Features: ['lambda\_1', 'sepal-width', 'sepal-length', 'lambda\_4']

Accuracy score 1: 0.96

Features: ['lambda\_1', 'sepal-length', 'lambda\_4']

Accuracy score 2: 0.96

Features: ['lambda\_1', 'lambda\_4', 'sepal-width', 'sepal-length']

Accuracy score 3: 0.96

Features: ['lambda\_1', 'lambda\_4', 'sepal-length']

Accuracy score 4: 0.96

Features: ['lambda\_1', 'lambda\_4', 'sepal-width', 'sepal-length']

Accuracy score 5: 0.96

Generation: 94

Features: ['lambda\_1', 'sepal-width', 'sepal-length', 'lambda\_4']

Accuracy score 1: 0.96

Features: ['lambda\_1', 'sepal-length', 'lambda\_4']

Accuracy score 2: 0.96

Features: ['lambda\_1', 'lambda\_4', 'sepal-width', 'sepal-length']

Accuracy score 3: 0.96

Features: ['lambda\_1', 'lambda\_4', 'sepal-length']

Accuracy score 4: 0.96

Features: ['lambda\_1', 'lambda\_4', 'sepal-width', 'sepal-length']

Accuracy score 5: 0.96

Generation: 95

Features: ['lambda\_1', 'sepal-width', 'sepal-length', 'lambda\_4']

Accuracy score 1: 0.96

Features: ['lambda\_1', 'sepal-length', 'lambda\_4']

Accuracy score 2: 0.96

Features: ['lambda\_1', 'lambda\_4', 'sepal-width', 'sepal-length']

Accuracy score 3: 0.96

Features: ['lambda\_1', 'lambda\_4', 'sepal-length']

Accuracy score 4: 0.96

Features: ['lambda\_1', 'lambda\_4', 'sepal-width', 'sepal-length']

Accuracy score 5: 0.96

Generation: 96

Features: ['lambda\_1', 'sepal-width', 'sepal-length', 'lambda\_4']

Accuracy score 1: 0.96

Features: ['lambda\_1', 'sepal-length', 'lambda\_4']

Accuracy score 2: 0.96

Features: ['lambda\_1', 'lambda\_4', 'sepal-width', 'sepal-length']

Accuracy score 3: 0.96

Features: ['lambda\_1', 'lambda\_4', 'sepal-length']

Accuracy score 4: 0.96

Features: ['lambda\_1', 'lambda\_4', 'sepal-width', 'sepal-length']

Accuracy score 5: 0.96

Generation: 97

Features: ['lambda\_1', 'sepal-width', 'sepal-length', 'lambda\_4']

Accuracy score 1: 0.96

Features: ['lambda\_1', 'sepal-length', 'lambda\_4']

Accuracy score 2: 0.96

Features: ['lambda\_1', 'lambda\_4', 'sepal-width', 'sepal-length']

Accuracy score 3: 0.96

Features: ['lambda\_1', 'lambda\_4', 'sepal-length']

Accuracy score 4: 0.96

Features: ['lambda\_1', 'lambda\_4', 'sepal-width', 'sepal-length']

Accuracy score 5: 0.96

Generation: 98

Features: ['lambda\_1', 'sepal-width', 'sepal-length', 'lambda\_4']

Accuracy score 1: 0.96

Features: ['lambda\_1', 'sepal-length', 'lambda\_4']

Accuracy score 2: 0.96

Features: ['lambda\_1', 'lambda\_4', 'sepal-width', 'sepal-length']

Accuracy score 3: 0.96

Features: ['lambda\_1', 'lambda\_4', 'sepal-length']

Accuracy score 4: 0.96

Features: ['lambda\_1', 'lambda\_4', 'sepal-width', 'sepal-length']

Accuracy score 5: 0.96

Generation: 99

Features: ['lambda\_1', 'sepal-width', 'sepal-length', 'lambda\_4']

Accuracy score 1: 0.96

Features: ['lambda\_1', 'sepal-length', 'lambda\_4']

Accuracy score 2: 0.96

Features: ['lambda\_1', 'lambda\_4', 'sepal-width', 'sepal-length']

Accuracy score 3: 0.96

Features: ['lambda\_1', 'lambda\_4', 'sepal-length']

Accuracy score 4: 0.96

Features: ['lambda\_1', 'lambda\_4', 'sepal-width', 'sepal-length']

Accuracy score 5: 0.96

Generation: 100

Features: ['lambda\_1', 'sepal-width', 'sepal-length', 'lambda\_4']

Accuracy score 1: 0.96

Features: ['lambda\_1', 'sepal-length', 'lambda\_4']

Accuracy score 2: 0.96

Features: ['lambda\_1', 'lambda\_4', 'sepal-width', 'sepal-length']

Accuracy score 3: 0.96

Features: ['lambda\_1', 'lambda\_4', 'sepal-length']

Accuracy score 4: 0.96

Features: ['lambda\_1', 'lambda\_4', 'sepal-width', 'sepal-length']

Accuracy score 5: 0.96

Part 4: final results

Accuracy: 0.96

Confusion matrix:

```
[[50 0 0]
```

```
[ 0 48 2]
```

```
[ 0 4 46]]
```

Features used ['lambda\_1', 'sepal-width', 'sepal-length', 'lambda\_4']

>>>