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  NEAT-Python Library
  XOR Experiment
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Trial:  0        FAILED           fitness: 9.000000    complexity: 14   seed: 1565702235
Trial:  1        FAILED           fitness: 13.141544   complexity: 22   seed: 1565702240
Trial:  2        FAILED           fitness: 9.000000    complexity: 18   seed: 1565702244
Trial:  3        FAILED           fitness: 9.000000    complexity: 5    seed: 1565702250
Trial:  4        FAILED           fitness: 9.024340    complexity: 12   seed: 1565702255
Trial:  5        FAILED           fitness: 9.000000    complexity: 5    seed: 1565702259
Trial:  6        FAILED           fitness: 14.101149   complexity: 9    seed: 1565702264
Trial:  7        FAILED           fitness: 9.000029    complexity: 11   seed: 1565702269
Trial:  8        FAILED           fitness: 9.000000    complexity: 5    seed: 1565702273
Trial:  9        FAILED           fitness: 9.000000    complexity: 8    seed: 1565702278
Trial: 10        FAILED           fitness: 10.413303   complexity: 20   seed: 1565702283
Trial: 11        FAILED           fitness: 9.000000    complexity: 8    seed: 1565702291
Trial: 12        FAILED           fitness: 9.000000    complexity: 9    seed: 1565702296
Trial: 13        FAILED           fitness: 9.000000    complexity: 9    seed: 1565702300
Trial: 14        FAILED           fitness: 9.000000    complexity: 5    seed: 1565702305
Trial: 15        FAILED           fitness: 9.000000    complexity: 6    seed: 1565702309
Trial: 16        FAILED           fitness: 9.000000    complexity: 17   seed: 1565702314
Trial: 17        FAILED           fitness: 9.721186    complexity: 22   seed: 1565702319
Trial: 18        FAILED           fitness: 9.000000    complexity: 9    seed: 1565702324
Trial: 19        generation: 89   fitness: 15.898123   complexity: 20   seed: 1565702329
Trial: 20        FAILED           fitness: 9.000000    complexity: 13   seed: 1565702333
Trial: 21        FAILED           fitness: 9.000000    complexity: 15   seed: 1565702337
Trial: 22        FAILED           fitness: 9.000000    complexity: 5    seed: 1565702344
Trial: 23        FAILED           fitness: 9.000031    complexity: 13   seed: 1565702348
Trial: 24        FAILED           fitness: 9.000000    complexity: 12   seed: 1565702352
Trial: 25        FAILED           fitness: 9.000000    complexity: 9    seed: 1565702357
Trial: 26        generation: 58   fitness: 15.636039   complexity: 12   seed: 1565702362
Trial: 27        FAILED           fitness: 9.000000    complexity: 13   seed: 1565702363
Trial: 28        FAILED           fitness: 9.320737    complexity: 16   seed: 1565702368
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Trial: 29       FAILED          fitness: 9.000000       complexity: 5   seed: 1565702374
Trial: 30       FAILED          fitness: 9.000000       complexity: 5   seed: 1565702380
Trial: 31       generation: 55  fitness: 15.682033      complexity: 14  seed: 1565702385
Trial: 32       FAILED          fitness: 9.000000       complexity: 5   seed: 1565702387
Trial: 33       FAILED          fitness: 9.000000       complexity: 5   seed: 1565702393
Trial: 34       generation: 85  fitness: 15.712332      complexity: 9   seed: 1565702397
Trial: 35       generation: 77  fitness: 15.798546      complexity: 15  seed: 1565702402
Trial: 36       generation: 37  fitness: 15.756681      complexity: 9   seed: 1565702404
Trial: 37       FAILED          fitness: 9.000000       complexity: 12  seed: 1565702406
Trial: 38       FAILED          fitness: 9.000000       complexity: 5   seed: 1565702410
Trial: 39       FAILED          fitness: 11.628895      complexity: 20  seed: 1565702415
Trial: 40       FAILED          fitness: 15.329713      complexity: 15  seed: 1565702420
Trial: 41       FAILED          fitness: 9.000000       complexity: 9   seed: 1565702424
Trial: 42       FAILED          fitness: 9.000000       complexity: 9   seed: 1565702428
Trial: 43       FAILED          fitness: 9.000000       complexity: 17  seed: 1565702432
Trial: 44       generation: 79  fitness: 15.775171      complexity: 11  seed: 1565702437
Trial: 45       FAILED          fitness: 9.000000       complexity: 9   seed: 1565702440
Trial: 46       FAILED          fitness: 9.000000       complexity: 5   seed: 1565702445
Trial: 47       FAILED          fitness: 9.000000       complexity: 19  seed: 1565702450
Trial: 48       FAILED          fitness: 9.000000       complexity: 25  seed: 1565702457
Trial: 49       FAILED          fitness: 10.138090      complexity: 12  seed: 1565702464
Trial: 50       FAILED          fitness: 9.000000       complexity: 17  seed: 1565702469
Trial: 51       generation: 84  fitness: 15.600634      complexity: 15  seed: 1565702475
Trial: 52       FAILED          fitness: 9.000000       complexity: 10  seed: 1565702479
Trial: 53       FAILED          fitness: 9.000000       complexity: 5   seed: 1565702484
Trial: 54       FAILED          fitness: 9.000000       complexity: 21  seed: 1565702488
Trial: 55       FAILED          fitness: 9.000000       complexity: 9   seed: 1565702495
Trial: 56       FAILED          fitness: 9.000000       complexity: 5   seed: 1565702500
Trial: 57       FAILED          fitness: 9.000000       complexity: 5   seed: 1565702504
Trial: 58       FAILED          fitness: 9.000000       complexity: 5   seed: 1565702510
Trial: 59       generation: 36  fitness: 15.598926      complexity: 12  seed: 1565702515
Trial: 60       FAILED          fitness: 15.163955      complexity: 24  seed: 1565702516
Trial: 61       FAILED          fitness: 9.000000       complexity: 11  seed: 1565702521
Trial: 62       FAILED          fitness: 9.000000       complexity: 10  seed: 1565702527
Trial: 63       generation: 42  fitness: 15.686913      complexity: 11  seed: 1565702534
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Trial: 64      FAILED           fitness: 9.000000     complexity: 9    seed: 1565702535
Trial: 65      FAILED           fitness: 9.000000     complexity: 9    seed: 1565702539
Trial: 66      FAILED           fitness: 9.000000     complexity: 5    seed: 1565702545
Trial: 67      generation: 58   fitness: 15.753525    complexity: 11   seed: 1565702550
Trial: 68      FAILED           fitness: 9.000000     complexity: 15   seed: 1565702553
Trial: 69      FAILED           fitness: 9.000000     complexity: 11   seed: 1565702559
Trial: 70      generation: 78   fitness: 15.754233    complexity: 21   seed: 1565702564
Trial: 71      FAILED           fitness: 9.000000     complexity: 5    seed: 1565702567
Trial: 72      FAILED           fitness: 9.000000     complexity: 5    seed: 1565702572
Trial: 73      FAILED           fitness: 9.000000     complexity: 10   seed: 1565702578
Trial: 74      FAILED           fitness: 9.000000     complexity: 5    seed: 1565702583
Trial: 75      FAILED           fitness: 9.000000     complexity: 9    seed: 1565702588
Trial: 76      FAILED           fitness: 9.000000     complexity: 5    seed: 1565702593
Trial: 77      FAILED           fitness: 9.000000     complexity: 5    seed: 1565702598
Trial: 78      FAILED           fitness: 9.000000     complexity: 11   seed: 1565702603
Trial: 79      FAILED           fitness: 9.000000     complexity: 5    seed: 1565702610
Trial: 80      FAILED           fitness: 9.000000     complexity: 12   seed: 1565702615
Trial: 81      FAILED           fitness: 9.000000     complexity: 12   seed: 1565702621
Trial: 82      FAILED           fitness: 9.000000     complexity: 5    seed: 1565702628
Trial: 83      FAILED           fitness: 9.000000     complexity: 19   seed: 1565702632
Trial: 84      generation: 47   fitness: 15.595699    complexity: 13   seed: 1565702639
Trial: 85      generation: 36   fitness: 15.683294    complexity: 12   seed: 1565702641
Trial: 86      generation: 31   fitness: 15.554294    complexity: 9    seed: 1565702642
Trial: 87      FAILED           fitness: 9.000000     complexity: 12   seed: 1565702643
Trial: 88      FAILED           fitness: 9.000000     complexity: 19   seed: 1565702647
Trial: 89      FAILED           fitness: 9.000000     complexity: 12   seed: 1565702653
Trial: 90      FAILED           fitness: 9.000000     complexity: 5    seed: 1565702659
Trial: 91      FAILED           fitness: 9.000000     complexity: 5    seed: 1565702663
Trial: 92      FAILED           fitness: 9.000000     complexity: 15   seed: 1565702668
Trial: 93      FAILED           fitness: 9.000000     complexity: 5    seed: 1565702672
Trial: 94      FAILED           fitness: 9.000000     complexity: 9    seed: 1565702677
Trial: 95      FAILED           fitness: 9.000000     complexity: 5    seed: 1565702682
Trial: 96      generation: 56   fitness: 15.574482    complexity: 9    seed: 1565702688
Trial: 97      FAILED           fitness: 9.000000     complexity: 9    seed: 1565702690
Trial: 98      FAILED           fitness: 9.000000     complexity: 5    seed: 1565702696
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Trial: 99          FAILED          fitness: 9.000000          complexity: 9    seed: 1565702700

Solved 16 trials from 100, success rate: 0.160000
Average
        trial duration:          4714.596846 ms
        epoch duration:          48.995008 ms
        generations/trial:       93.5

Average among winners
        Complexity:              12.687500
        Fitness:          15.691308
        generations/trial:       59.2

Average for all organisms evaluated during experiment
        Complexity:              10.790000
        Fitness:          10.350439

Efficiency score:               1.430373
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