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  NEAT-Python Library
  XOR Experiment
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Trial:  0          FAILED            fitness: 9.000000      complexity: 5     seed: 1565260427
Trial:  1          generation: 42    fitness: 15.898879     complexity: 20    seed: 1565260432
Trial:  2          FAILED            fitness: 9.000000      complexity: 9     seed: 1565260433
Trial:  3          FAILED            fitness: 9.000000      complexity: 13    seed: 1565260438
Trial:  4          FAILED            fitness: 9.000000      complexity: 5     seed: 1565260443
Trial:  5          FAILED            fitness: 9.000000      complexity: 11    seed: 1565260448
Trial:  6          generation: 23    fitness: 15.907779     complexity: 13    seed: 1565260453
Trial:  7          generation: 23    fitness: 15.907779     complexity: 13    seed: 1565260453
Trial:  8          generation: 91    fitness: 15.851968     complexity: 12    seed: 1565260454
Trial:  9          FAILED            fitness: 9.000000      complexity: 11    seed: 1565260459
Trial: 10          FAILED            fitness: 15.182967     complexity: 9     seed: 1565260463
Trial: 11          generation: 80    fitness: 15.600283     complexity: 12    seed: 1565260469
Trial: 12          FAILED            fitness: 9.000000      complexity: 6     seed: 1565260472
Trial: 13          generation: 69    fitness: 15.737890     complexity: 9     seed: 1565260478
Trial: 14          FAILED            fitness: 9.000000      complexity: 9     seed: 1565260481
Trial: 15          FAILED            fitness: 9.000000      complexity: 6     seed: 1565260485
Trial: 16          FAILED            fitness: 9.000000      complexity: 12    seed: 1565260490
Trial: 17          FAILED            fitness: 9.000000      complexity: 18    seed: 1565260496
Trial: 18          FAILED            fitness: 9.000000      complexity: 5     seed: 1565260501
Trial: 19          FAILED            fitness: 9.000000      complexity: 5     seed: 1565260506
Trial: 20          FAILED            fitness: 9.000000      complexity: 16    seed: 1565260511
Trial: 21          FAILED            fitness: 9.000000      complexity: 11    seed: 1565260517
Trial: 22          FAILED            fitness: 9.000000      complexity: 14    seed: 1565260522
Trial: 23          FAILED            fitness: 9.000000      complexity: 5     seed: 1565260527
Trial: 24          FAILED            fitness: 9.000000      complexity: 22    seed: 1565260531
Trial: 25          generation: 29    fitness: 15.526471     complexity: 14    seed: 1565260536
Trial: 26          FAILED            fitness: 9.000000      complexity: 5     seed: 1565260538
Trial: 27          FAILED            fitness: 9.000000      complexity: 18    seed: 1565260542
Trial: 28          FAILED            fitness: 9.000000      complexity: 15    seed: 1565260548
Trial: 29          FAILED            fitness: 9.000000      complexity: 5     seed: 1565260553
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Trial: 30    FAILED             fitness: 12.325765    complexity: 11    seed: 1565260558
Trial: 31    FAILED             fitness: 9.000000     complexity: 5     seed: 1565260563
Trial: 32    FAILED             fitness: 15.383000    complexity: 14    seed: 1565260568
Trial: 33    FAILED             fitness: 14.400095    complexity: 14    seed: 1565260572
Trial: 34    generation: 75     fitness: 15.808940    complexity: 22    seed: 1565260577
Trial: 35    generation: 39     fitness: 15.935804    complexity: 16    seed: 1565260580
Trial: 36    FAILED             fitness: 9.000000     complexity: 8     seed: 1565260582
Trial: 37    FAILED             fitness: 9.000000     complexity: 7     seed: 1565260588
Trial: 38    generation: 89     fitness: 15.711685    complexity: 9     seed: 1565260593
Trial: 39    FAILED             fitness: 9.000000     complexity: 23    seed: 1565260597
Trial: 40    FAILED             fitness: 9.000000     complexity: 9     seed: 1565260603
Trial: 41    generation: 35     fitness: 15.767240    complexity: 12    seed: 1565260607
Trial: 42    generation: 43     fitness: 15.934626    complexity: 15    seed: 1565260608
Trial: 43    FAILED             fitness: 9.000000     complexity: 5     seed: 1565260610
Trial: 44    FAILED             fitness: 9.000000     complexity: 13    seed: 1565260614
Trial: 45    FAILED             fitness: 9.000000     complexity: 5     seed: 1565260618
Trial: 46    FAILED             fitness: 9.000000     complexity: 12    seed: 1565260623
Trial: 47    FAILED             fitness: 9.000000     complexity: 14    seed: 1565260628
Trial: 48    FAILED             fitness: 9.000000     complexity: 5     seed: 1565260633
Trial: 49    FAILED             fitness: 9.000000     complexity: 12    seed: 1565260639
Trial: 50    FAILED             fitness: 9.000000     complexity: 15    seed: 1565260645
Trial: 51    FAILED             fitness: 9.000000     complexity: 11    seed: 1565260650
Trial: 52    FAILED             fitness: 9.000000     complexity: 18    seed: 1565260656
Trial: 53    FAILED             fitness: 9.000000     complexity: 5     seed: 1565260662
Trial: 54    generation: 81     fitness: 15.508331    complexity: 35    seed: 1565260667
Trial: 55    FAILED             fitness: 9.000000     complexity: 14    seed: 1565260671
Trial: 56    FAILED             fitness: 9.000000     complexity: 12    seed: 1565260676
Trial: 57    FAILED             fitness: 15.066155    complexity: 14    seed: 1565260681
Trial: 58    generation: 90     fitness: 15.939536    complexity: 9     seed: 1565260685
Trial: 59    FAILED             fitness: 9.000000     complexity: 5     seed: 1565260689
Trial: 60    FAILED             fitness: 9.000000     complexity: 5     seed: 1565260694
Trial: 61    FAILED             fitness: 9.000000     complexity: 5     seed: 1565260698
Trial: 62    generation: 72     fitness: 15.802815    complexity: 9     seed: 1565260702
Trial: 63    FAILED             fitness: 13.454741    complexity: 14    seed: 1565260706
Trial: 64    FAILED             fitness: 9.000000     complexity: 12    seed: 1565260712
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Trial: 65       FAILED          fitness: 9.000000       complexity: 20   seed: 1565260717
Trial: 66       FAILED          fitness: 9.000000       complexity: 15   seed: 1565260721
Trial: 67       FAILED          fitness: 9.000000       complexity: 14   seed: 1565260726
Trial: 68       FAILED          fitness: 9.000000       complexity: 9    seed: 1565260731
Trial: 69       FAILED          fitness: 9.000000       complexity: 9    seed: 1565260735
Trial: 70       FAILED          fitness: 9.000000       complexity: 15   seed: 1565260740
Trial: 71       FAILED          fitness: 9.000000       complexity: 20   seed: 1565260745
Trial: 72       generation: 85  fitness: 15.552380      complexity: 12   seed: 1565260754
Trial: 73       FAILED          fitness: 9.000000       complexity: 12   seed: 1565260758
Trial: 74       FAILED          fitness: 9.000000       complexity: 5    seed: 1565260763
Trial: 75       FAILED          fitness: 9.005563       complexity: 14   seed: 1565260768
Trial: 76       FAILED          fitness: 9.000000       complexity: 5    seed: 1565260772
Trial: 77       generation: 52  fitness: 15.967062      complexity: 11   seed: 1565260777
Trial: 78       generation: 55  fitness: 15.728210      complexity: 11   seed: 1565260779
Trial: 79       FAILED          fitness: 9.000000       complexity: 5    seed: 1565260782
Trial: 80       FAILED          fitness: 9.000000       complexity: 5    seed: 1565260787
Trial: 81       FAILED          fitness: 9.000000       complexity: 5    seed: 1565260792
Trial: 82       FAILED          fitness: 9.000000       complexity: 5    seed: 1565260797
Trial: 83       generation: 75  fitness: 15.916935      complexity: 12   seed: 1565260802
Trial: 84       FAILED          fitness: 9.000000       complexity: 13   seed: 1565260806
Trial: 85       FAILED          fitness: 9.000000       complexity: 19   seed: 1565260811
Trial: 86       FAILED          fitness: 9.000000       complexity: 5    seed: 1565260816
Trial: 87       FAILED          fitness: 9.000000       complexity: 9    seed: 1565260821
Trial: 88       FAILED          fitness: 9.000000       complexity: 5    seed: 1565260826
Trial: 89       FAILED          fitness: 12.683026      complexity: 11   seed: 1565260831
Trial: 90       FAILED          fitness: 9.000000       complexity: 9    seed: 1565260836
Trial: 91       FAILED          fitness: 9.000000       complexity: 18   seed: 1565260840
Trial: 92       FAILED          fitness: 15.449716      complexity: 11   seed: 1565260846
Trial: 93       FAILED          fitness: 9.000000       complexity: 5    seed: 1565260851
Trial: 94       FAILED          fitness: 9.000000       complexity: 11   seed: 1565260855
Trial: 95       FAILED          fitness: 9.000000       complexity: 5    seed: 1565260859
Trial: 96       FAILED          fitness: 9.000000       complexity: 12   seed: 1565260864
Trial: 97       FAILED          fitness: 9.000000       complexity: 5    seed: 1565260869
Trial: 98       FAILED          fitness: 9.000000       complexity: 5    seed: 1565260874
Trial: 99       FAILED          fitness: 9.000000       complexity: 7    seed: 1565260878
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Solved 19 trials from 100, success rate: 0.190000
Average
        trial duration: 4545.045724 ms
        epoch duration: 47.644999 ms
        generations/trial: 92.5

Average among winners
        Complexity: 14.000000
        Fitness: 15.789716
        generations/trial: 60.4

Average for all organisms evaluated during experiment
        Complexity: 10.960000
        Fitness: 10.709556

Efficiency score: 0.271994