APÊNDICE A – ARQUIVO DE CONFIGURAÇÃO DA BIBLIOTECA NEAT-PYTHON

```
1   [NEAT]
2   fitness_criterion = max
3   fitness_threshold = 0.95
4   no_fitness_termination = False
5   pop_size = 150
6   reset_on_extinction = False
7
8   [DefaultStagnation]
9   species_fitness_func = max
10  max_stagnation = 15
11  species_elitism = 0
12
13  [DefaultReproduction]
14  elitism = 0
15  survival_threshold = 0.2
16  min_species_size = 2
17
18  [DefaultGenome]
19  activation_default = sigmoid
20  activation_mutate_rate = 0.0
21  activation_options = sigmoid
22
23  aggregation_default = random
24  aggregation_mutate_rate = 0.01
25  aggregation_options = sum
26
27  bias_init_mean = 0.0
28  bias_init_stdev = 1.0
29  bias_init_type = normal
30  bias_max_value = 25.0
31  bias_min_value = -25.0
32  bias_mutate_power = 0.5
33  bias_mutate_rate = 0.3
34  bias_replace_rate = 0.05
35
36  compatibility_threshold = 2.5
37  compatibility_disjoint_coefficient = 1.0
```

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38   compatibility_weight_coefficient = 1.0
39
40   conn_add_prob = 0.2
41   conn_delete_prob = 0.2
42
43   enabled_default = True
44   enabled_mutate_rate = 0.02
45   enabled_rate_to_false_add = 0.05
46   enabled_rate_to_true_add = 0.5
47
48   feed_forward = True
49   initial_connection = partial 0.5
50
51   node_add_prob = 0.1
52   node_delete_prob = 0.1
53
54   num_hidden = 0
55   num_inputs = 10
56   num_outputs = 10
57
58   response_init_mean = 1.0
59   response_init_stdev = 0.0
60   response_init_type = gaussian
61   response_max_value = 30.0
62   response_min_value = −30.0
63   response_mutate_power = 0.0
64   response_mutate_rate = 0.0
65   response_replace_rate = 0.0
66
67   single_structural_mutation = False
68   structural_mutation_surer = single_structural_mutation
69
70   weight_init_mean = 0.0
71   weight_init_stdev = 1.0
72   weight_init_type = gaussian
73   weight_max_value = 30.0
74   weight_min_value = −30.0
75   weight_mutate_power = 0.5
76   weight_mutate_rate = 0.8
77   weight_replace_rate = 0.1
```