C:\Users\bryan\anaconda3\envs\pytorch1.11.0\python.exe C:/Users/bryan/Desktop/ZWJ/代码/RE-SSGC/Node\_Classfication.py

imdb\_1\_10 node number: 12772

torch.Size([12772, 200])

1 1.1014 0.3299 0.1727 0.3299

weight\_b:Parameter containing:

tensor([[0.0262],

[0.0033]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0051]], requires\_grad=True)

test\_f1-ma: 0.1509 test\_f1-mi: 0.2925

==================================================

torch.Size([12772, 200])

2 1.0771 0.4932 0.2202 0.4932

weight\_b:Parameter containing:

tensor([[0.0298],

[0.0066]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0051]], requires\_grad=True)

test\_f1-ma: 0.2232 test\_f1-mi: 0.5034

==================================================

torch.Size([12772, 200])

3 1.0576 0.4932 0.2202 0.4932

weight\_b:Parameter containing:

tensor([[0.0340],

[0.0107]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0051]], requires\_grad=True)

test\_f1-ma: 0.2232 test\_f1-mi: 0.5034

==================================================

torch.Size([12772, 200])

4 1.0427 0.4932 0.2202 0.4932

weight\_b:Parameter containing:

tensor([[0.0385],

[0.0151]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0051]], requires\_grad=True)

test\_f1-ma: 0.2232 test\_f1-mi: 0.5034

==================================================

torch.Size([12772, 200])

5 1.0335 0.4932 0.2202 0.4932

weight\_b:Parameter containing:

tensor([[0.0431],

[0.0197]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0051]], requires\_grad=True)

test\_f1-ma: 0.2232 test\_f1-mi: 0.5034

==================================================

torch.Size([12772, 200])

6 1.0303 0.4932 0.2202 0.4932

weight\_b:Parameter containing:

tensor([[0.0477],

[0.0239]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0051]], requires\_grad=True)

test\_f1-ma: 0.2232 test\_f1-mi: 0.5034

==================================================

torch.Size([12772, 200])

7 1.0301 0.4932 0.2202 0.4932

weight\_b:Parameter containing:

tensor([[0.0522],

[0.0276]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0051]], requires\_grad=True)

test\_f1-ma: 0.2232 test\_f1-mi: 0.5034

==================================================

torch.Size([12772, 200])

8 1.0282 0.4932 0.2202 0.4932

weight\_b:Parameter containing:

tensor([[0.0567],

[0.0312]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0051]], requires\_grad=True)

test\_f1-ma: 0.2232 test\_f1-mi: 0.5034

==================================================

torch.Size([12772, 200])

9 1.0227 0.4932 0.2202 0.4932

weight\_b:Parameter containing:

tensor([[0.0613],

[0.0351]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0051]], requires\_grad=True)

test\_f1-ma: 0.2232 test\_f1-mi: 0.5034

==================================================

torch.Size([12772, 200])

10 1.0151 0.4932 0.2202 0.4932

weight\_b:Parameter containing:

tensor([[0.0661],

[0.0393]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0051]], requires\_grad=True)

test\_f1-ma: 0.2232 test\_f1-mi: 0.5034

==================================================

torch.Size([12772, 200])

11 1.0067 0.4966 0.2276 0.4966

weight\_b:Parameter containing:

tensor([[0.0711],

[0.0438]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0051]], requires\_grad=True)

test\_f1-ma: 0.2232 test\_f1-mi: 0.5034

==================================================

torch.Size([12772, 200])

12 0.9971 0.4966 0.2276 0.4966

weight\_b:Parameter containing:

tensor([[0.0761],

[0.0485]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0051]], requires\_grad=True)

test\_f1-ma: 0.2232 test\_f1-mi: 0.5034

==================================================

torch.Size([12772, 200])

13 0.9856 0.4966 0.2290 0.4966

weight\_b:Parameter containing:

tensor([[0.0812],

[0.0533]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0051]], requires\_grad=True)

test\_f1-ma: 0.2394 test\_f1-mi: 0.5102

==================================================

torch.Size([12772, 200])

14 0.9716 0.4966 0.2290 0.4966

weight\_b:Parameter containing:

tensor([[0.0864],

[0.0583]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0051]], requires\_grad=True)

test\_f1-ma: 0.2549 test\_f1-mi: 0.5170

==================================================

torch.Size([12772, 200])

15 0.9542 0.5000 0.2361 0.5000

weight\_b:Parameter containing:

tensor([[0.0916],

[0.0634]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0051]], requires\_grad=True)

test\_f1-ma: 0.2549 test\_f1-mi: 0.5170

==================================================

torch.Size([12772, 200])

16 0.9308 0.5068 0.2557 0.5068

weight\_b:Parameter containing:

tensor([[0.0969],

[0.0686]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0051]], requires\_grad=True)

test\_f1-ma: 0.2549 test\_f1-mi: 0.5170

==================================================

torch.Size([12772, 200])

17 0.8989 0.5170 0.2922 0.5170

weight\_b:Parameter containing:

tensor([[0.1022],

[0.0738]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0051]], requires\_grad=True)

test\_f1-ma: 0.2978 test\_f1-mi: 0.5374

==================================================

torch.Size([12772, 200])

18 0.8581 0.5476 0.3874 0.5476

weight\_b:Parameter containing:

tensor([[0.1076],

[0.0791]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0051]], requires\_grad=True)

test\_f1-ma: 0.4214 test\_f1-mi: 0.5782

==================================================

torch.Size([12772, 200])

19 0.8223 0.5442 0.4453 0.5442

weight\_b:Parameter containing:

tensor([[0.1130],

[0.0843]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0051]], requires\_grad=True)

test\_f1-ma: 0.5561 test\_f1-mi: 0.6190

==================================================

torch.Size([12772, 200])

20 0.7946 0.5714 0.4993 0.5714

weight\_b:Parameter containing:

tensor([[0.1186],

[0.0881]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0051]], requires\_grad=True)

test\_f1-ma: 0.5799 test\_f1-mi: 0.6327

==================================================

torch.Size([12772, 200])

21 0.7731 0.5714 0.4924 0.5714

weight\_b:Parameter containing:

tensor([[0.1240],

[0.0903]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0051]], requires\_grad=True)

test\_f1-ma: 0.5584 test\_f1-mi: 0.6190

==================================================

torch.Size([12772, 200])

22 0.7300 0.5986 0.5461 0.5986

weight\_b:Parameter containing:

tensor([[0.1295],

[0.0913]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0051]], requires\_grad=True)

test\_f1-ma: 0.5961 test\_f1-mi: 0.6395

==================================================

torch.Size([12772, 200])

23 0.6928 0.6054 0.5519 0.6054

weight\_b:Parameter containing:

tensor([[0.1351],

[0.0922]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0051]], requires\_grad=True)

test\_f1-ma: 0.6018 test\_f1-mi: 0.6531

==================================================

torch.Size([12772, 200])

24 0.6599 0.6293 0.5745 0.6293

weight\_b:Parameter containing:

tensor([[0.1408],

[0.0932]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0051]], requires\_grad=True)

test\_f1-ma: 0.6363 test\_f1-mi: 0.6803

==================================================

torch.Size([12772, 200])

25 0.6356 0.6531 0.6145 0.6531

weight\_b:Parameter containing:

tensor([[0.1465],

[0.0943]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0051]], requires\_grad=True)

test\_f1-ma: 0.6566 test\_f1-mi: 0.6939

==================================================

torch.Size([12772, 200])

26 0.6207 0.6667 0.6282 0.6667

weight\_b:Parameter containing:

tensor([[0.1522],

[0.0955]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0051]], requires\_grad=True)

test\_f1-ma: 0.6614 test\_f1-mi: 0.7007

==================================================

torch.Size([12772, 200])

27 0.6007 0.6667 0.6118 0.6667

weight\_b:Parameter containing:

tensor([[0.1579],

[0.0970]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0051]], requires\_grad=True)

test\_f1-ma: 0.6451 test\_f1-mi: 0.7143

==================================================

torch.Size([12772, 200])

28 0.5657 0.6973 0.6435 0.6973

weight\_b:Parameter containing:

tensor([[0.1637],

[0.0992]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0051]], requires\_grad=True)

test\_f1-ma: 0.6681 test\_f1-mi: 0.7143

==================================================

torch.Size([12772, 200])

29 0.5583 0.6939 0.6552 0.6939

weight\_b:Parameter containing:

tensor([[0.1689],

[0.1006]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0051]], requires\_grad=True)

test\_f1-ma: 0.6617 test\_f1-mi: 0.7007

==================================================

torch.Size([12772, 200])

30 0.5729 0.6803 0.6290 0.6803

weight\_b:Parameter containing:

tensor([[0.1734],

[0.1015]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0051]], requires\_grad=True)

test\_f1-ma: 0.6174 test\_f1-mi: 0.6667

==================================================

torch.Size([12772, 200])

31 0.6095 0.6327 0.5688 0.6327

weight\_b:Parameter containing:

tensor([[0.1778],

[0.1024]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0051]], requires\_grad=True)

test\_f1-ma: 0.5927 test\_f1-mi: 0.6531

==================================================

torch.Size([12772, 200])

32 0.5111 0.6871 0.6614 0.6871

weight\_b:Parameter containing:

tensor([[0.1815],

[0.1027]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0051]], requires\_grad=True)

test\_f1-ma: 0.6709 test\_f1-mi: 0.6939

==================================================

torch.Size([12772, 200])

33 0.5805 0.6633 0.6450 0.6633

weight\_b:Parameter containing:

tensor([[0.1835],

[0.1011]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0051]], requires\_grad=True)

test\_f1-ma: 0.6309 test\_f1-mi: 0.6463

==================================================

torch.Size([12772, 200])

34 0.4816 0.6837 0.6517 0.6837

weight\_b:Parameter containing:

tensor([[0.1857],

[0.0998]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0051]], requires\_grad=True)

test\_f1-ma: 0.6835 test\_f1-mi: 0.7075

==================================================

torch.Size([12772, 200])

35 0.4971 0.6599 0.6156 0.6599

weight\_b:Parameter containing:

tensor([[0.1885],

[0.0997]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0051]], requires\_grad=True)

test\_f1-ma: 0.6222 test\_f1-mi: 0.6667

==================================================

torch.Size([12772, 200])

36 0.5163 0.6565 0.5954 0.6565

weight\_b:Parameter containing:

tensor([[0.1919],

[0.1009]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0051]], requires\_grad=True)

test\_f1-ma: 0.5894 test\_f1-mi: 0.6531

==================================================

torch.Size([12772, 200])

37 0.4638 0.6667 0.6223 0.6667

weight\_b:Parameter containing:

tensor([[0.1958],

[0.1028]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0051]], requires\_grad=True)

test\_f1-ma: 0.6293 test\_f1-mi: 0.6735

==================================================

torch.Size([12772, 200])

38 0.4702 0.6667 0.6447 0.6667

weight\_b:Parameter containing:

tensor([[0.1997],

[0.1047]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0051]], requires\_grad=True)

test\_f1-ma: 0.6732 test\_f1-mi: 0.6939

==================================================

torch.Size([12772, 200])

39 0.4709 0.6769 0.6624 0.6769

weight\_b:Parameter containing:

tensor([[0.2031],

[0.1060]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0051]], requires\_grad=True)

test\_f1-ma: 0.6525 test\_f1-mi: 0.6667

==================================================

torch.Size([12772, 200])

40 0.4238 0.6735 0.6488 0.6735

weight\_b:Parameter containing:

tensor([[0.2067],

[0.1076]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0051]], requires\_grad=True)

test\_f1-ma: 0.7115 test\_f1-mi: 0.7347

==================================================

torch.Size([12772, 200])

41 0.4327 0.6803 0.6438 0.6803

weight\_b:Parameter containing:

tensor([[0.2105],

[0.1097]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0051]], requires\_grad=True)

test\_f1-ma: 0.6733 test\_f1-mi: 0.7075

==================================================

torch.Size([12772, 200])

42 0.4153 0.6735 0.6386 0.6735

weight\_b:Parameter containing:

tensor([[0.2142],

[0.1122]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0051]], requires\_grad=True)

test\_f1-ma: 0.6784 test\_f1-mi: 0.7075

==================================================

torch.Size([12772, 200])

43 0.3880 0.6837 0.6640 0.6837

weight\_b:Parameter containing:

tensor([[0.2175],

[0.1142]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0051]], requires\_grad=True)

test\_f1-ma: 0.7032 test\_f1-mi: 0.7279

==================================================

torch.Size([12772, 200])

44 0.4084 0.6837 0.6648 0.6837

weight\_b:Parameter containing:

tensor([[0.2200],

[0.1159]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0051]], requires\_grad=True)

test\_f1-ma: 0.6423 test\_f1-mi: 0.6599

==================================================

torch.Size([12772, 200])

45 0.4077 0.7041 0.6847 0.7041

weight\_b:Parameter containing:

tensor([[0.2224],

[0.1160]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0051]], requires\_grad=True)

test\_f1-ma: 0.6767 test\_f1-mi: 0.7075

==================================================

torch.Size([12772, 200])

46 0.4896 0.6599 0.5905 0.6599

weight\_b:Parameter containing:

tensor([[0.2254],

[0.1163]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0051]], requires\_grad=True)

test\_f1-ma: 0.6503 test\_f1-mi: 0.7007

==================================================

torch.Size([12772, 200])

47 0.3583 0.6905 0.6653 0.6905

weight\_b:Parameter containing:

tensor([[0.2285],

[0.1169]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0051]], requires\_grad=True)

test\_f1-ma: 0.6718 test\_f1-mi: 0.6939

==================================================

torch.Size([12772, 200])

48 0.4886 0.6565 0.6406 0.6565

weight\_b:Parameter containing:

tensor([[0.2293],

[0.1154]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0051]], requires\_grad=True)

test\_f1-ma: 0.6204 test\_f1-mi: 0.6259

==================================================

torch.Size([12772, 200])

49 0.3619 0.6973 0.6762 0.6973

weight\_b:Parameter containing:

tensor([[0.2301],

[0.1143]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0051]], requires\_grad=True)

test\_f1-ma: 0.6968 test\_f1-mi: 0.7075

==================================================

torch.Size([12772, 200])

50 0.4130 0.6667 0.6219 0.6667

weight\_b:Parameter containing:

tensor([[0.2315],

[0.1140]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0051]], requires\_grad=True)

test\_f1-ma: 0.6650 test\_f1-mi: 0.7143

==================================================

torch.Size([12772, 200])

51 0.3952 0.6769 0.6420 0.6769

weight\_b:Parameter containing:

tensor([[0.2334],

[0.1146]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0051]], requires\_grad=True)

test\_f1-ma: 0.6883 test\_f1-mi: 0.7279

==================================================

torch.Size([12772, 200])

52 0.3553 0.7041 0.6832 0.7041

weight\_b:Parameter containing:

tensor([[0.2351],

[0.1156]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0051]], requires\_grad=True)

test\_f1-ma: 0.6831 test\_f1-mi: 0.7007

==================================================

torch.Size([12772, 200])

53 0.4065 0.7041 0.6903 0.7041

weight\_b:Parameter containing:

tensor([[0.2362],

[0.1155]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0051]], requires\_grad=True)

test\_f1-ma: 0.6622 test\_f1-mi: 0.6667

==================================================

torch.Size([12772, 200])

54 0.3627 0.6871 0.6667 0.6871

weight\_b:Parameter containing:

tensor([[0.2371],

[0.1156]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0051]], requires\_grad=True)

test\_f1-ma: 0.6970 test\_f1-mi: 0.7007

==================================================

torch.Size([12772, 200])

55 0.3496 0.6939 0.6641 0.6939

weight\_b:Parameter containing:

tensor([[0.2383],

[0.1166]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0051]], requires\_grad=True)

test\_f1-ma: 0.6703 test\_f1-mi: 0.7007

==================================================

torch.Size([12772, 200])

56 0.3683 0.6837 0.6480 0.6837

weight\_b:Parameter containing:

tensor([[0.2400],

[0.1183]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0051]], requires\_grad=True)

test\_f1-ma: 0.6579 test\_f1-mi: 0.6871

==================================================

torch.Size([12772, 200])

57 0.3407 0.6837 0.6596 0.6837

weight\_b:Parameter containing:

tensor([[0.2418],

[0.1201]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0051]], requires\_grad=True)

test\_f1-ma: 0.6961 test\_f1-mi: 0.7075

==================================================

torch.Size([12772, 200])

58 0.3370 0.7075 0.6945 0.7075

weight\_b:Parameter containing:

tensor([[0.2430],

[0.1219]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0051]], requires\_grad=True)

test\_f1-ma: 0.7154 test\_f1-mi: 0.7211

==================================================

torch.Size([12772, 200])

59 0.3406 0.7109 0.6970 0.7109

weight\_b:Parameter containing:

tensor([[0.2439],

[0.1234]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0051]], requires\_grad=True)

test\_f1-ma: 0.6773 test\_f1-mi: 0.6871

==================================================

torch.Size([12772, 200])

60 0.2969 0.6973 0.6795 0.6973

weight\_b:Parameter containing:

tensor([[0.2449],

[0.1253]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0051]], requires\_grad=True)

test\_f1-ma: 0.7154 test\_f1-mi: 0.7279

==================================================

torch.Size([12772, 200])

61 0.3083 0.7075 0.6805 0.7075

weight\_b:Parameter containing:

tensor([[0.2466],

[0.1275]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0051]], requires\_grad=True)

test\_f1-ma: 0.6942 test\_f1-mi: 0.7211

==================================================

torch.Size([12772, 200])

62 0.2837 0.7177 0.6987 0.7177

weight\_b:Parameter containing:

tensor([[0.2485],

[0.1298]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0051]], requires\_grad=True)

test\_f1-ma: 0.6993 test\_f1-mi: 0.7143

==================================================

torch.Size([12772, 200])

63 0.2817 0.7143 0.7009 0.7143

weight\_b:Parameter containing:

tensor([[0.2501],

[0.1316]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0051]], requires\_grad=True)

test\_f1-ma: 0.7175 test\_f1-mi: 0.7211

==================================================

torch.Size([12772, 200])

64 0.2591 0.7109 0.7004 0.7109

weight\_b:Parameter containing:

tensor([[0.2518],

[0.1331]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0051]], requires\_grad=True)

test\_f1-ma: 0.7168 test\_f1-mi: 0.7211

==================================================

torch.Size([12772, 200])

65 0.2606 0.7313 0.7098 0.7313

weight\_b:Parameter containing:

tensor([[0.2537],

[0.1348]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0051]], requires\_grad=True)

test\_f1-ma: 0.7036 test\_f1-mi: 0.7211

==================================================

torch.Size([12772, 200])

66 0.2590 0.7143 0.6934 0.7143

weight\_b:Parameter containing:

tensor([[0.2560],

[0.1369]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0051]], requires\_grad=True)

test\_f1-ma: 0.7044 test\_f1-mi: 0.7279

==================================================

torch.Size([12772, 200])

67 0.3129 0.7041 0.7013 0.7041

weight\_b:Parameter containing:

tensor([[0.2564],

[0.1386]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0051]], requires\_grad=True)

test\_f1-ma: 0.6996 test\_f1-mi: 0.6939

==================================================

torch.Size([12772, 200])

68 0.6827 0.6463 0.6126 0.6463

weight\_b:Parameter containing:

tensor([[0.2558],

[0.1369]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0051]], requires\_grad=True)

test\_f1-ma: 0.6156 test\_f1-mi: 0.6463

==================================================

torch.Size([12772, 200])

69 0.4849 0.6905 0.6306 0.6905

weight\_b:Parameter containing:

tensor([[0.2561],

[0.1346]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0051]], requires\_grad=True)

test\_f1-ma: 0.6478 test\_f1-mi: 0.6871

==================================================

torch.Size([12772, 200])

70 0.5663 0.6701 0.6216 0.6701

weight\_b:Parameter containing:

tensor([[0.2568],

[0.1315]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0051]], requires\_grad=True)

test\_f1-ma: 0.6194 test\_f1-mi: 0.6531

==================================================

torch.Size([12772, 200])

71 0.3585 0.6667 0.6364 0.6667

weight\_b:Parameter containing:

tensor([[0.2574],

[0.1290]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0051]], requires\_grad=True)

test\_f1-ma: 0.7009 test\_f1-mi: 0.7143

==================================================

torch.Size([12772, 200])

72 0.5792 0.6497 0.6257 0.6497

weight\_b:Parameter containing:

tensor([[0.2556],

[0.1255]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0051]], requires\_grad=True)

test\_f1-ma: 0.6149 test\_f1-mi: 0.6327

==================================================

torch.Size([12772, 200])

73 0.4117 0.6769 0.6523 0.6769

weight\_b:Parameter containing:

tensor([[0.2535],

[0.1225]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0051]], requires\_grad=True)

test\_f1-ma: 0.6715 test\_f1-mi: 0.6871

==================================================

torch.Size([12772, 200])

74 0.3661 0.7109 0.6782 0.7109

weight\_b:Parameter containing:

tensor([[0.2520],

[0.1204]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0051]], requires\_grad=True)

test\_f1-ma: 0.6937 test\_f1-mi: 0.7075

==================================================

torch.Size([12772, 200])

75 0.3782 0.6905 0.6539 0.6905

weight\_b:Parameter containing:

tensor([[0.2513],

[0.1190]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0051]], requires\_grad=True)

test\_f1-ma: 0.6283 test\_f1-mi: 0.6599

==================================================

torch.Size([12772, 200])

76 0.4562 0.6905 0.6630 0.6905

weight\_b:Parameter containing:

tensor([[0.2508],

[0.1178]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0051]], requires\_grad=True)

test\_f1-ma: 0.6355 test\_f1-mi: 0.6667

==================================================

torch.Size([12772, 200])

77 0.3816 0.6803 0.6412 0.6803

weight\_b:Parameter containing:

tensor([[0.2510],

[0.1173]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0051]], requires\_grad=True)

test\_f1-ma: 0.6172 test\_f1-mi: 0.6463

==================================================

torch.Size([12772, 200])

78 0.3705 0.7143 0.6788 0.7143

weight\_b:Parameter containing:

tensor([[0.2518],

[0.1174]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0051]], requires\_grad=True)

test\_f1-ma: 0.6774 test\_f1-mi: 0.7007

==================================================

torch.Size([12772, 200])

79 0.3690 0.7143 0.6889 0.7143

weight\_b:Parameter containing:

tensor([[0.2530],

[0.1179]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0051]], requires\_grad=True)

test\_f1-ma: 0.6878 test\_f1-mi: 0.7075

==================================================

torch.Size([12772, 200])

80 0.3941 0.6973 0.6831 0.6973

weight\_b:Parameter containing:

tensor([[0.2544],

[0.1182]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0051]], requires\_grad=True)

test\_f1-ma: 0.7025 test\_f1-mi: 0.7211

==================================================

torch.Size([12772, 200])

81 0.3604 0.6905 0.6759 0.6905

weight\_b:Parameter containing:

tensor([[0.2557],

[0.1185]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0051]], requires\_grad=True)

test\_f1-ma: 0.6898 test\_f1-mi: 0.7007

==================================================

torch.Size([12772, 200])

82 0.3158 0.6837 0.6712 0.6837

weight\_b:Parameter containing:

tensor([[0.2571],

[0.1193]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0051]], requires\_grad=True)

test\_f1-ma: 0.7299 test\_f1-mi: 0.7347

==================================================

torch.Size([12772, 200])

83 0.3134 0.7109 0.6854 0.7109

weight\_b:Parameter containing:

tensor([[0.2587],

[0.1204]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0051]], requires\_grad=True)

test\_f1-ma: 0.7131 test\_f1-mi: 0.7347

==================================================

torch.Size([12772, 200])

84 0.3319 0.6939 0.6580 0.6939

weight\_b:Parameter containing:

tensor([[0.2607],

[0.1219]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0051]], requires\_grad=True)

test\_f1-ma: 0.6888 test\_f1-mi: 0.7211

==================================================

torch.Size([12772, 200])

85 0.3130 0.7041 0.6787 0.7041

weight\_b:Parameter containing:

tensor([[0.2628],

[0.1234]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0051]], requires\_grad=True)

test\_f1-ma: 0.6714 test\_f1-mi: 0.7007

==================================================

torch.Size([12772, 200])

86 0.2792 0.6939 0.6746 0.6939

weight\_b:Parameter containing:

tensor([[0.2649],

[0.1250]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0051]], requires\_grad=True)

test\_f1-ma: 0.7286 test\_f1-mi: 0.7347

==================================================

torch.Size([12772, 200])

87 0.2687 0.7007 0.6864 0.7007

weight\_b:Parameter containing:

tensor([[0.2667],

[0.1266]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0051]], requires\_grad=True)

test\_f1-ma: 0.7322 test\_f1-mi: 0.7347

==================================================

torch.Size([12772, 200])

88 0.2832 0.7041 0.6860 0.7041

weight\_b:Parameter containing:

tensor([[0.2679],

[0.1279]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0051]], requires\_grad=True)

test\_f1-ma: 0.7163 test\_f1-mi: 0.7211

==================================================

torch.Size([12772, 200])

89 0.2540 0.7007 0.6858 0.7007

weight\_b:Parameter containing:

tensor([[0.2684],

[0.1293]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0051]], requires\_grad=True)

test\_f1-ma: 0.7065 test\_f1-mi: 0.7075

==================================================

torch.Size([12772, 200])

90 0.2422 0.7041 0.6841 0.7041

weight\_b:Parameter containing:

tensor([[0.2689],

[0.1309]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0051]], requires\_grad=True)

test\_f1-ma: 0.7055 test\_f1-mi: 0.7143

==================================================

torch.Size([12772, 200])

91 0.2453 0.7143 0.6942 0.7143

weight\_b:Parameter containing:

tensor([[0.2696],

[0.1326]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0051]], requires\_grad=True)

test\_f1-ma: 0.7090 test\_f1-mi: 0.7211

==================================================

torch.Size([12772, 200])

92 0.2383 0.7143 0.6968 0.7143

weight\_b:Parameter containing:

tensor([[0.2702],

[0.1342]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0051]], requires\_grad=True)

test\_f1-ma: 0.7301 test\_f1-mi: 0.7279

==================================================

torch.Size([12772, 200])

93 0.2336 0.7143 0.7004 0.7143

weight\_b:Parameter containing:

tensor([[0.2704],

[0.1357]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0051]], requires\_grad=True)

test\_f1-ma: 0.7070 test\_f1-mi: 0.7143

==================================================

torch.Size([12772, 200])

94 0.2058 0.7279 0.7130 0.7279

weight\_b:Parameter containing:

tensor([[0.2706],

[0.1370]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0051]], requires\_grad=True)

test\_f1-ma: 0.7111 test\_f1-mi: 0.7143

==================================================

torch.Size([12772, 200])

95 0.2178 0.7143 0.6966 0.7143

weight\_b:Parameter containing:

tensor([[0.2705],

[0.1385]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0051]], requires\_grad=True)

test\_f1-ma: 0.7063 test\_f1-mi: 0.7007

==================================================

torch.Size([12772, 200])

96 0.2359 0.7143 0.6945 0.7143

weight\_b:Parameter containing:

tensor([[0.2709],

[0.1402]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0051]], requires\_grad=True)

test\_f1-ma: 0.7478 test\_f1-mi: 0.7551

==================================================

torch.Size([12772, 200])

97 0.3397 0.7143 0.7124 0.7143

weight\_b:Parameter containing:

tensor([[0.2699],

[0.1408]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0051]], requires\_grad=True)

test\_f1-ma: 0.7000 test\_f1-mi: 0.6939

==================================================

torch.Size([12772, 200])

98 0.3865 0.7075 0.6862 0.7075

weight\_b:Parameter containing:

tensor([[0.2685],

[0.1413]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0051]], requires\_grad=True)

test\_f1-ma: 0.6757 test\_f1-mi: 0.6939

==================================================

torch.Size([12772, 200])

99 0.2132 0.7313 0.7172 0.7313

weight\_b:Parameter containing:

tensor([[0.2671],

[0.1417]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0051]], requires\_grad=True)

test\_f1-ma: 0.7438 test\_f1-mi: 0.7483

==================================================

torch.Size([12772, 200])

100 0.3409 0.7143 0.7097 0.7143

weight\_b:Parameter containing:

tensor([[0.2653],

[0.1415]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0051]], requires\_grad=True)

test\_f1-ma: 0.7114 test\_f1-mi: 0.7007

==================================================

time: 677.5946848392

[Classification] Macro-F1: 0.7438 (0.0000) | Micro-F1: 0.7211 (0.0000)

[0.7438095238095238, 0.7210884353741498]

Test F1-ma: 0.7438095238, F1-mi: 0.7210884354

Process finished with exit code 0