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 1.1070 0.3571 0.2303 0.3571

weight\_b:Parameter containing:

tensor([[0.0088],

[0.0384]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0149]], requires\_grad=True)

test\_f1-ma: 0.2161 test\_f1-mi: 0.3265

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

torch.Size([12772, 200])

2 1.0441 0.4932 0.2202 0.4932

weight\_b:Parameter containing:

tensor([[0.0123],

[0.0421]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0199]], requires\_grad=True)

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

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

torch.Size([12772, 200])

3 1.0119 0.4932 0.2202 0.4932

weight\_b:Parameter containing:

tensor([[0.0164],

[0.0463]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0243]], requires\_grad=True)

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

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

torch.Size([12772, 200])

4 0.9936 0.4932 0.2202 0.4932

weight\_b:Parameter containing:

tensor([[0.0209],

[0.0502]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0255]], requires\_grad=True)

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

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

torch.Size([12772, 200])

5 0.9687 0.4932 0.2202 0.4932

weight\_b:Parameter containing:

tensor([[0.0255],

[0.0544]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0243]], requires\_grad=True)

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

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

torch.Size([12772, 200])

6 0.9334 0.5034 0.2431 0.5034

weight\_b:Parameter containing:

tensor([[0.0302],

[0.0588]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0221]], requires\_grad=True)

test\_f1-ma: 0.2698 test\_f1-mi: 0.5238

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

torch.Size([12772, 200])

7 0.8953 0.5340 0.3301 0.5340

weight\_b:Parameter containing:

tensor([[0.0350],

[0.0633]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0195]], requires\_grad=True)

test\_f1-ma: 0.2777 test\_f1-mi: 0.5170

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

torch.Size([12772, 200])

8 0.8583 0.5578 0.3995 0.5578

weight\_b:Parameter containing:

tensor([[0.0399],

[0.0679]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0173]], requires\_grad=True)

test\_f1-ma: 0.4030 test\_f1-mi: 0.5782

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

torch.Size([12772, 200])

9 0.8218 0.5782 0.4650 0.5782

weight\_b:Parameter containing:

tensor([[0.0448],

[0.0727]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0156]], requires\_grad=True)

test\_f1-ma: 0.4802 test\_f1-mi: 0.5850

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

torch.Size([12772, 200])

10 0.7873 0.5816 0.4904 0.5816

weight\_b:Parameter containing:

tensor([[0.0499],

[0.0776]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0146]], requires\_grad=True)

test\_f1-ma: 0.5617 test\_f1-mi: 0.6190

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

torch.Size([12772, 200])

11 0.7549 0.5952 0.5366 0.5952

weight\_b:Parameter containing:

tensor([[0.0550],

[0.0826]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0140]], requires\_grad=True)

test\_f1-ma: 0.6243 test\_f1-mi: 0.6667

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

torch.Size([12772, 200])

12 0.7187 0.6054 0.5494 0.6054

weight\_b:Parameter containing:

tensor([[0.0601],

[0.0876]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0138]], requires\_grad=True)

test\_f1-ma: 0.6180 test\_f1-mi: 0.6599

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

torch.Size([12772, 200])

13 0.6773 0.6088 0.5534 0.6088

weight\_b:Parameter containing:

tensor([[0.0654],

[0.0927]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0137]], requires\_grad=True)

test\_f1-ma: 0.6283 test\_f1-mi: 0.6667

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

torch.Size([12772, 200])

14 0.6379 0.6259 0.5706 0.6259

weight\_b:Parameter containing:

tensor([[0.0706],

[0.0979]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0136]], requires\_grad=True)

test\_f1-ma: 0.6330 test\_f1-mi: 0.6667

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

torch.Size([12772, 200])

15 0.6059 0.6395 0.5866 0.6395

weight\_b:Parameter containing:

tensor([[0.0759],

[0.1030]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0134]], requires\_grad=True)

test\_f1-ma: 0.6633 test\_f1-mi: 0.6939

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

torch.Size([12772, 200])

16 0.5769 0.6565 0.6019 0.6565

weight\_b:Parameter containing:

tensor([[0.0812],

[0.1080]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0126]], requires\_grad=True)

test\_f1-ma: 0.6658 test\_f1-mi: 0.7007

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

torch.Size([12772, 200])

17 0.5452 0.6599 0.6075 0.6599

weight\_b:Parameter containing:

tensor([[0.0865],

[0.1130]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0113]], requires\_grad=True)

test\_f1-ma: 0.6726 test\_f1-mi: 0.7007

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

torch.Size([12772, 200])

18 0.5130 0.6735 0.6328 0.6735

weight\_b:Parameter containing:

tensor([[0.0917],

[0.1179]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0098]], requires\_grad=True)

test\_f1-ma: 0.6828 test\_f1-mi: 0.7143

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

torch.Size([12772, 200])

19 0.4835 0.6735 0.6386 0.6735

weight\_b:Parameter containing:

tensor([[0.0969],

[0.1227]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0088]], requires\_grad=True)

test\_f1-ma: 0.6826 test\_f1-mi: 0.7143

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

torch.Size([12772, 200])

20 0.4570 0.6871 0.6565 0.6871

weight\_b:Parameter containing:

tensor([[0.1020],

[0.1273]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0088]], requires\_grad=True)

test\_f1-ma: 0.6871 test\_f1-mi: 0.7143

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

torch.Size([12772, 200])

21 0.4306 0.6871 0.6589 0.6871

weight\_b:Parameter containing:

tensor([[0.1070],

[0.1318]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0097]], requires\_grad=True)

test\_f1-ma: 0.6761 test\_f1-mi: 0.7007

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

torch.Size([12772, 200])

22 0.4029 0.6939 0.6642 0.6939

weight\_b:Parameter containing:

tensor([[0.1118],

[0.1362]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0110]], requires\_grad=True)

test\_f1-ma: 0.7000 test\_f1-mi: 0.7279

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

torch.Size([12772, 200])

23 0.3790 0.6905 0.6566 0.6905

weight\_b:Parameter containing:

tensor([[0.1166],

[0.1405]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0123]], requires\_grad=True)

test\_f1-ma: 0.7044 test\_f1-mi: 0.7347

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

torch.Size([12772, 200])

24 0.3566 0.7177 0.6856 0.7177

weight\_b:Parameter containing:

tensor([[0.1213],

[0.1447]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0133]], requires\_grad=True)

test\_f1-ma: 0.7000 test\_f1-mi: 0.7279

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

torch.Size([12772, 200])

25 0.3328 0.7279 0.6966 0.7279

weight\_b:Parameter containing:

tensor([[0.1260],

[0.1489]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0144]], requires\_grad=True)

test\_f1-ma: 0.7000 test\_f1-mi: 0.7279

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

torch.Size([12772, 200])

26 0.3106 0.7381 0.7138 0.7381

weight\_b:Parameter containing:

tensor([[0.1305],

[0.1530]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0159]], requires\_grad=True)

test\_f1-ma: 0.7041 test\_f1-mi: 0.7279

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

torch.Size([12772, 200])

27 0.2919 0.7585 0.7366 0.7585

weight\_b:Parameter containing:

tensor([[0.1350],

[0.1571]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0180]], requires\_grad=True)

test\_f1-ma: 0.7074 test\_f1-mi: 0.7347

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

torch.Size([12772, 200])

28 0.2718 0.7653 0.7451 0.7653

weight\_b:Parameter containing:

tensor([[0.1394],

[0.1611]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0205]], requires\_grad=True)

test\_f1-ma: 0.7019 test\_f1-mi: 0.7279

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

torch.Size([12772, 200])

29 0.2531 0.7517 0.7345 0.7517

weight\_b:Parameter containing:

tensor([[0.1438],

[0.1651]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0233]], requires\_grad=True)

test\_f1-ma: 0.7013 test\_f1-mi: 0.7211

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

torch.Size([12772, 200])

30 0.2364 0.7551 0.7386 0.7551

weight\_b:Parameter containing:

tensor([[0.1481],

[0.1691]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0263]], requires\_grad=True)

test\_f1-ma: 0.7013 test\_f1-mi: 0.7211

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

torch.Size([12772, 200])

31 0.2194 0.7653 0.7559 0.7653

weight\_b:Parameter containing:

tensor([[0.1524],

[0.1731]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0295]], requires\_grad=True)

test\_f1-ma: 0.7081 test\_f1-mi: 0.7279

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

torch.Size([12772, 200])

32 0.2054 0.7585 0.7497 0.7585

weight\_b:Parameter containing:

tensor([[0.1567],

[0.1771]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0334]], requires\_grad=True)

test\_f1-ma: 0.7115 test\_f1-mi: 0.7279

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

torch.Size([12772, 200])

33 0.1910 0.7585 0.7493 0.7585

weight\_b:Parameter containing:

tensor([[0.1608],

[0.1810]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0379]], requires\_grad=True)

test\_f1-ma: 0.6991 test\_f1-mi: 0.7143

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

torch.Size([12772, 200])

34 0.1787 0.7653 0.7567 0.7653

weight\_b:Parameter containing:

tensor([[0.1648],

[0.1850]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0426]], requires\_grad=True)

test\_f1-ma: 0.7081 test\_f1-mi: 0.7211

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

torch.Size([12772, 200])

35 0.1669 0.7653 0.7598 0.7653

weight\_b:Parameter containing:

tensor([[0.1689],

[0.1889]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0476]], requires\_grad=True)

test\_f1-ma: 0.6854 test\_f1-mi: 0.7007

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

torch.Size([12772, 200])

36 0.1543 0.7721 0.7631 0.7721

weight\_b:Parameter containing:

tensor([[0.1728],

[0.1928]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0532]], requires\_grad=True)

test\_f1-ma: 0.6963 test\_f1-mi: 0.7075

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

torch.Size([12772, 200])

37 0.1435 0.7653 0.7593 0.7653

weight\_b:Parameter containing:

tensor([[0.1767],

[0.1966]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0591]], requires\_grad=True)

test\_f1-ma: 0.6948 test\_f1-mi: 0.7075

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

torch.Size([12772, 200])

38 0.1321 0.7619 0.7535 0.7619

weight\_b:Parameter containing:

tensor([[0.1805],

[0.2004]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0652]], requires\_grad=True)

test\_f1-ma: 0.6973 test\_f1-mi: 0.7075

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

torch.Size([12772, 200])

39 0.1225 0.7653 0.7561 0.7653

weight\_b:Parameter containing:

tensor([[0.1843],

[0.2042]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0716]], requires\_grad=True)

test\_f1-ma: 0.7284 test\_f1-mi: 0.7347

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

torch.Size([12772, 200])

40 0.1125 0.7687 0.7576 0.7687

weight\_b:Parameter containing:

tensor([[0.1881],

[0.2079]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0783]], requires\_grad=True)

test\_f1-ma: 0.7150 test\_f1-mi: 0.7211

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

torch.Size([12772, 200])

41 0.1057 0.7721 0.7636 0.7721

weight\_b:Parameter containing:

tensor([[0.1918],

[0.2115]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0851]], requires\_grad=True)

test\_f1-ma: 0.7369 test\_f1-mi: 0.7483

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

torch.Size([12772, 200])

42 0.1034 0.7653 0.7558 0.7653

weight\_b:Parameter containing:

tensor([[0.1954],

[0.2151]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0920]], requires\_grad=True)

test\_f1-ma: 0.7128 test\_f1-mi: 0.7211

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

torch.Size([12772, 200])

43 0.1005 0.7721 0.7611 0.7721

weight\_b:Parameter containing:

tensor([[0.1991],

[0.2186]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0990]], requires\_grad=True)

test\_f1-ma: 0.7325 test\_f1-mi: 0.7415

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

torch.Size([12772, 200])

44 0.0857 0.7789 0.7710 0.7789

weight\_b:Parameter containing:

tensor([[0.2026],

[0.2220]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.1062]], requires\_grad=True)

test\_f1-ma: 0.7236 test\_f1-mi: 0.7347

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

torch.Size([12772, 200])

45 0.0752 0.7721 0.7649 0.7721

weight\_b:Parameter containing:

tensor([[0.2060],

[0.2253]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.1134]], requires\_grad=True)

test\_f1-ma: 0.7426 test\_f1-mi: 0.7483

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

torch.Size([12772, 200])

46 0.0774 0.7687 0.7609 0.7687

weight\_b:Parameter containing:

tensor([[0.2094],

[0.2286]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.1207]], requires\_grad=True)

test\_f1-ma: 0.7304 test\_f1-mi: 0.7415

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

torch.Size([12772, 200])

47 0.0624 0.7721 0.7653 0.7721

weight\_b:Parameter containing:

tensor([[0.2127],

[0.2319]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.1281]], requires\_grad=True)

test\_f1-ma: 0.7426 test\_f1-mi: 0.7483

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

torch.Size([12772, 200])

48 0.0613 0.7857 0.7792 0.7857

weight\_b:Parameter containing:

tensor([[0.2159],

[0.2350]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.1355]], requires\_grad=True)

test\_f1-ma: 0.7426 test\_f1-mi: 0.7483

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

torch.Size([12772, 200])

49 0.0581 0.7721 0.7636 0.7721

weight\_b:Parameter containing:

tensor([[0.2190],

[0.2381]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.1429]], requires\_grad=True)

test\_f1-ma: 0.7171 test\_f1-mi: 0.7279

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

torch.Size([12772, 200])

50 0.0472 0.7721 0.7674 0.7721

weight\_b:Parameter containing:

tensor([[0.2221],

[0.2411]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.1504]], requires\_grad=True)

test\_f1-ma: 0.7461 test\_f1-mi: 0.7551

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

torch.Size([12772, 200])

51 0.0485 0.7823 0.7766 0.7823

weight\_b:Parameter containing:

tensor([[0.2250],

[0.2440]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.1578]], requires\_grad=True)

test\_f1-ma: 0.7505 test\_f1-mi: 0.7551

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

torch.Size([12772, 200])

52 0.0435 0.7789 0.7709 0.7789

weight\_b:Parameter containing:

tensor([[0.2279],

[0.2469]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.1653]], requires\_grad=True)

test\_f1-ma: 0.7460 test\_f1-mi: 0.7551

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

torch.Size([12772, 200])

53 0.0367 0.7755 0.7691 0.7755

weight\_b:Parameter containing:

tensor([[0.2307],

[0.2496]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.1727]], requires\_grad=True)

test\_f1-ma: 0.7531 test\_f1-mi: 0.7619

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

torch.Size([12772, 200])

54 0.0386 0.7891 0.7808 0.7891

weight\_b:Parameter containing:

tensor([[0.2334],

[0.2523]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.1801]], requires\_grad=True)

test\_f1-ma: 0.7857 test\_f1-mi: 0.7891

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

torch.Size([12772, 200])

55 0.0332 0.7789 0.7713 0.7789

weight\_b:Parameter containing:

tensor([[0.2361],

[0.2550]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.1874]], requires\_grad=True)

test\_f1-ma: 0.7541 test\_f1-mi: 0.7619

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

torch.Size([12772, 200])

56 0.0301 0.7789 0.7713 0.7789

weight\_b:Parameter containing:

tensor([[0.2387],

[0.2575]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.1946]], requires\_grad=True)

test\_f1-ma: 0.7671 test\_f1-mi: 0.7755

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

torch.Size([12772, 200])

57 0.0301 0.7789 0.7716 0.7789

weight\_b:Parameter containing:

tensor([[0.2412],

[0.2600]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.2018]], requires\_grad=True)

test\_f1-ma: 0.7776 test\_f1-mi: 0.7823

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

torch.Size([12772, 200])

58 0.0270 0.7755 0.7665 0.7755

weight\_b:Parameter containing:

tensor([[0.2437],

[0.2624]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.2089]], requires\_grad=True)

test\_f1-ma: 0.7581 test\_f1-mi: 0.7687

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

torch.Size([12772, 200])

59 0.0252 0.7823 0.7740 0.7823

weight\_b:Parameter containing:

tensor([[0.2461],

[0.2648]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.2159]], requires\_grad=True)

test\_f1-ma: 0.7658 test\_f1-mi: 0.7755

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

torch.Size([12772, 200])

60 0.0239 0.7755 0.7688 0.7755

weight\_b:Parameter containing:

tensor([[0.2484],

[0.2670]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.2228]], requires\_grad=True)

test\_f1-ma: 0.7704 test\_f1-mi: 0.7755

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

torch.Size([12772, 200])

61 0.0235 0.7721 0.7638 0.7721

weight\_b:Parameter containing:

tensor([[0.2507],

[0.2693]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.2296]], requires\_grad=True)

test\_f1-ma: 0.7669 test\_f1-mi: 0.7755

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

torch.Size([12772, 200])

62 0.0217 0.7721 0.7649 0.7721

weight\_b:Parameter containing:

tensor([[0.2530],

[0.2714]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.2363]], requires\_grad=True)

test\_f1-ma: 0.7613 test\_f1-mi: 0.7687

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

torch.Size([12772, 200])

63 0.0205 0.7755 0.7679 0.7755

weight\_b:Parameter containing:

tensor([[0.2551],

[0.2735]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.2429]], requires\_grad=True)

test\_f1-ma: 0.7613 test\_f1-mi: 0.7687

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

torch.Size([12772, 200])

64 0.0214 0.7755 0.7685 0.7755

weight\_b:Parameter containing:

tensor([[0.2572],

[0.2756]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.2493]], requires\_grad=True)

test\_f1-ma: 0.7550 test\_f1-mi: 0.7619

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

torch.Size([12772, 200])

65 0.0199 0.7755 0.7679 0.7755

weight\_b:Parameter containing:

tensor([[0.2593],

[0.2776]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.2557]], requires\_grad=True)

test\_f1-ma: 0.7487 test\_f1-mi: 0.7551

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

torch.Size([12772, 200])

66 0.0191 0.7687 0.7618 0.7687

weight\_b:Parameter containing:

tensor([[0.2612],

[0.2795]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.2619]], requires\_grad=True)

test\_f1-ma: 0.7479 test\_f1-mi: 0.7551

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

torch.Size([12772, 200])

67 0.0192 0.7721 0.7620 0.7721

weight\_b:Parameter containing:

tensor([[0.2632],

[0.2814]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.2680]], requires\_grad=True)

test\_f1-ma: 0.7479 test\_f1-mi: 0.7551

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

torch.Size([12772, 200])

68 0.0178 0.7687 0.7584 0.7687

weight\_b:Parameter containing:

tensor([[0.2651],

[0.2833]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.2741]], requires\_grad=True)

test\_f1-ma: 0.7479 test\_f1-mi: 0.7551

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

torch.Size([12772, 200])

69 0.0177 0.7687 0.7580 0.7687

weight\_b:Parameter containing:

tensor([[0.2670],

[0.2851]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.2800]], requires\_grad=True)

test\_f1-ma: 0.7479 test\_f1-mi: 0.7551

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

torch.Size([12772, 200])

70 0.0179 0.7687 0.7606 0.7687

weight\_b:Parameter containing:

tensor([[0.2688],

[0.2869]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.2858]], requires\_grad=True)

test\_f1-ma: 0.7479 test\_f1-mi: 0.7551

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

torch.Size([12772, 200])

71 0.0170 0.7687 0.7593 0.7687

weight\_b:Parameter containing:

tensor([[0.2706],

[0.2887]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.2916]], requires\_grad=True)

test\_f1-ma: 0.7479 test\_f1-mi: 0.7551

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

torch.Size([12772, 200])

72 0.0164 0.7721 0.7637 0.7721

weight\_b:Parameter containing:

tensor([[0.2723],

[0.2904]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.2972]], requires\_grad=True)

test\_f1-ma: 0.7479 test\_f1-mi: 0.7551

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

torch.Size([12772, 200])

73 0.0167 0.7687 0.7588 0.7687

weight\_b:Parameter containing:

tensor([[0.2740],

[0.2921]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.3027]], requires\_grad=True)

test\_f1-ma: 0.7479 test\_f1-mi: 0.7551

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

torch.Size([12772, 200])

74 0.0172 0.7721 0.7640 0.7721

weight\_b:Parameter containing:

tensor([[0.2757],

[0.2937]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.3082]], requires\_grad=True)

test\_f1-ma: 0.7479 test\_f1-mi: 0.7551

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

torch.Size([12772, 200])

75 0.0210 0.7687 0.7585 0.7687

weight\_b:Parameter containing:

tensor([[0.2774],

[0.2954]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.3135]], requires\_grad=True)

test\_f1-ma: 0.7550 test\_f1-mi: 0.7619

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

torch.Size([12772, 200])

76 0.1248 0.7483 0.7490 0.7483

weight\_b:Parameter containing:

tensor([[0.2793],

[0.2968]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.3184]], requires\_grad=True)

test\_f1-ma: 0.7282 test\_f1-mi: 0.7279

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

torch.Size([12772, 200])

77 1.9498 0.6020 0.5324 0.6020

weight\_b:Parameter containing:

tensor([[0.2812],

[0.2943]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.3150]], requires\_grad=True)

test\_f1-ma: 0.5346 test\_f1-mi: 0.6054

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

torch.Size([12772, 200])

78 0.1262 0.7313 0.7236 0.7313

weight\_b:Parameter containing:

tensor([[0.2835],

[0.2919]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.3121]], requires\_grad=True)

test\_f1-ma: 0.7066 test\_f1-mi: 0.7143

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

torch.Size([12772, 200])

79 1.6392 0.6293 0.6236 0.6293

weight\_b:Parameter containing:

tensor([[0.2852],

[0.2877]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.3073]], requires\_grad=True)

test\_f1-ma: 0.5834 test\_f1-mi: 0.5714

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

torch.Size([12772, 200])

80 0.2196 0.7313 0.7301 0.7313

weight\_b:Parameter containing:

tensor([[0.2868],

[0.2838]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.3030]], requires\_grad=True)

test\_f1-ma: 0.7085 test\_f1-mi: 0.7075

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

torch.Size([12772, 200])

81 0.2352 0.7177 0.7045 0.7177

weight\_b:Parameter containing:

tensor([[0.2883],

[0.2800]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.2988]], requires\_grad=True)

test\_f1-ma: 0.6531 test\_f1-mi: 0.6735

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

torch.Size([12772, 200])

82 0.6767 0.6565 0.6240 0.6565

weight\_b:Parameter containing:

tensor([[0.2895],

[0.2759]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.2941]], requires\_grad=True)

test\_f1-ma: 0.6074 test\_f1-mi: 0.6463

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

torch.Size([12772, 200])

83 0.4748 0.6633 0.6334 0.6633

weight\_b:Parameter containing:

tensor([[0.2907],

[0.2717]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.2892]], requires\_grad=True)

test\_f1-ma: 0.6407 test\_f1-mi: 0.6735

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

torch.Size([12772, 200])

84 0.1650 0.7381 0.7226 0.7381

weight\_b:Parameter containing:

tensor([[0.2921],

[0.2680]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.2846]], requires\_grad=True)

test\_f1-ma: 0.7302 test\_f1-mi: 0.7483

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

torch.Size([12772, 200])

85 0.1675 0.7415 0.7308 0.7415

weight\_b:Parameter containing:

tensor([[0.2937],

[0.2645]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.2804]], requires\_grad=True)

test\_f1-ma: 0.7140 test\_f1-mi: 0.7347

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

torch.Size([12772, 200])

86 0.2987 0.7211 0.7197 0.7211

weight\_b:Parameter containing:

tensor([[0.2953],

[0.2610]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.2762]], requires\_grad=True)

test\_f1-ma: 0.6900 test\_f1-mi: 0.7007

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

torch.Size([12772, 200])

87 0.3347 0.7075 0.7065 0.7075

weight\_b:Parameter containing:

tensor([[0.2965],

[0.2575]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.2719]], requires\_grad=True)

test\_f1-ma: 0.6868 test\_f1-mi: 0.6939

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

torch.Size([12772, 200])

88 0.2682 0.7347 0.7328 0.7347

weight\_b:Parameter containing:

tensor([[0.2975],

[0.2540]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.2679]], requires\_grad=True)

test\_f1-ma: 0.6875 test\_f1-mi: 0.6939

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

torch.Size([12772, 200])

89 0.1756 0.7483 0.7427 0.7483

weight\_b:Parameter containing:

tensor([[0.2985],

[0.2506]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.2642]], requires\_grad=True)

test\_f1-ma: 0.6938 test\_f1-mi: 0.7007

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

torch.Size([12772, 200])

90 0.1160 0.7585 0.7536 0.7585

weight\_b:Parameter containing:

tensor([[0.2996],

[0.2476]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.2609]], requires\_grad=True)

test\_f1-ma: 0.7143 test\_f1-mi: 0.7279

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

torch.Size([12772, 200])

91 0.1287 0.7449 0.7325 0.7449

weight\_b:Parameter containing:

tensor([[0.3010],

[0.2450]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.2580]], requires\_grad=True)

test\_f1-ma: 0.7180 test\_f1-mi: 0.7347

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

torch.Size([12772, 200])

92 0.1887 0.7245 0.7043 0.7245

weight\_b:Parameter containing:

tensor([[0.3026],

[0.2428]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.2553]], requires\_grad=True)

test\_f1-ma: 0.6675 test\_f1-mi: 0.7007

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

torch.Size([12772, 200])

93 0.2011 0.7211 0.7013 0.7211

weight\_b:Parameter containing:

tensor([[0.3045],

[0.2408]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.2528]], requires\_grad=True)

test\_f1-ma: 0.6728 test\_f1-mi: 0.7075

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

torch.Size([12772, 200])

94 0.1554 0.7347 0.7183 0.7347

weight\_b:Parameter containing:

tensor([[0.3063],

[0.2392]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.2505]], requires\_grad=True)

test\_f1-ma: 0.6967 test\_f1-mi: 0.7211

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

torch.Size([12772, 200])

95 0.1137 0.7585 0.7474 0.7585

weight\_b:Parameter containing:

tensor([[0.3079],

[0.2379]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.2484]], requires\_grad=True)

test\_f1-ma: 0.7219 test\_f1-mi: 0.7347

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

torch.Size([12772, 200])

96 0.0973 0.7517 0.7435 0.7517

weight\_b:Parameter containing:

tensor([[0.3094],

[0.2369]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.2466]], requires\_grad=True)

test\_f1-ma: 0.7143 test\_f1-mi: 0.7279

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

torch.Size([12772, 200])

97 0.1013 0.7551 0.7463 0.7551

weight\_b:Parameter containing:

tensor([[0.3107],

[0.2360]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.2451]], requires\_grad=True)

test\_f1-ma: 0.7084 test\_f1-mi: 0.7211

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

torch.Size([12772, 200])

98 0.1112 0.7687 0.7616 0.7687

weight\_b:Parameter containing:

tensor([[0.3118],

[0.2354]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.2436]], requires\_grad=True)

test\_f1-ma: 0.7051 test\_f1-mi: 0.7143

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

torch.Size([12772, 200])

99 0.1202 0.7653 0.7575 0.7653

weight\_b:Parameter containing:

tensor([[0.3127],

[0.2349]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.2422]], requires\_grad=True)

test\_f1-ma: 0.6954 test\_f1-mi: 0.7007

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

torch.Size([12772, 200])

100 0.1217 0.7619 0.7561 0.7619

weight\_b:Parameter containing:

tensor([[0.3135],

[0.2345]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.2407]], requires\_grad=True)

test\_f1-ma: 0.6820 test\_f1-mi: 0.6871

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

time: 390.9824204445

[Classification] Macro-F1: 0.7857 (0.0000) | Micro-F1: 0.7891 (0.0000)

[0.7857424293594506, 0.7891156462585034]

Test F1-ma: 0.7857424294, F1-mi: 0.7891156463

Process finished with exit code 0