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 1.1072 0.4286 0.3427 0.4286

weight\_b:Parameter containing:

tensor([[0.0336],

[0.0962]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0081]], requires\_grad=True)

test\_f1-ma: 0.2676 test\_f1-mi: 0.3469

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

torch.Size([12772, 200])

2 1.0164 0.4932 0.2202 0.4932

weight\_b:Parameter containing:

tensor([[0.0375],

[0.0999]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0081]], requires\_grad=True)

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

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

torch.Size([12772, 200])

3 0.9687 0.5034 0.2424 0.5034

weight\_b:Parameter containing:

tensor([[0.0419],

[0.1041]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0081]], requires\_grad=True)

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

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

torch.Size([12772, 200])

4 0.9195 0.5272 0.3127 0.5272

weight\_b:Parameter containing:

tensor([[0.0465],

[0.1081]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0081]], requires\_grad=True)

test\_f1-ma: 0.3242 test\_f1-mi: 0.5374

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

torch.Size([12772, 200])

5 0.8706 0.5476 0.3769 0.5476

weight\_b:Parameter containing:

tensor([[0.0511],

[0.1123]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0081]], requires\_grad=True)

test\_f1-ma: 0.3933 test\_f1-mi: 0.5714

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

torch.Size([12772, 200])

6 0.8176 0.5578 0.4046 0.5578

weight\_b:Parameter containing:

tensor([[0.0558],

[0.1167]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0081]], requires\_grad=True)

test\_f1-ma: 0.3970 test\_f1-mi: 0.5714

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

torch.Size([12772, 200])

7 0.7696 0.5544 0.4296 0.5544

weight\_b:Parameter containing:

tensor([[0.0606],

[0.1212]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0081]], requires\_grad=True)

test\_f1-ma: 0.5630 test\_f1-mi: 0.6327

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

torch.Size([12772, 200])

8 0.7319 0.5578 0.4708 0.5578

weight\_b:Parameter containing:

tensor([[0.0655],

[0.1258]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0081]], requires\_grad=True)

test\_f1-ma: 0.5643 test\_f1-mi: 0.6259

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

torch.Size([12772, 200])

9 0.6962 0.6088 0.5594 0.6088

weight\_b:Parameter containing:

tensor([[0.0705],

[0.1307]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0081]], requires\_grad=True)

test\_f1-ma: 0.6242 test\_f1-mi: 0.6599

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

torch.Size([12772, 200])

10 0.6569 0.6327 0.5955 0.6327

weight\_b:Parameter containing:

tensor([[0.0755],

[0.1355]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0081]], requires\_grad=True)

test\_f1-ma: 0.6381 test\_f1-mi: 0.6667

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

torch.Size([12772, 200])

11 0.6179 0.6497 0.6128 0.6497

weight\_b:Parameter containing:

tensor([[0.0806],

[0.1405]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0081]], requires\_grad=True)

test\_f1-ma: 0.6264 test\_f1-mi: 0.6599

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

torch.Size([12772, 200])

12 0.5817 0.6531 0.6107 0.6531

weight\_b:Parameter containing:

tensor([[0.0858],

[0.1454]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0081]], requires\_grad=True)

test\_f1-ma: 0.6640 test\_f1-mi: 0.6939

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

torch.Size([12772, 200])

13 0.5504 0.6735 0.6272 0.6735

weight\_b:Parameter containing:

tensor([[0.0909],

[0.1503]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0081]], requires\_grad=True)

test\_f1-ma: 0.6777 test\_f1-mi: 0.7075

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

torch.Size([12772, 200])

14 0.5235 0.6633 0.6162 0.6633

weight\_b:Parameter containing:

tensor([[0.0961],

[0.1552]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0081]], requires\_grad=True)

test\_f1-ma: 0.6777 test\_f1-mi: 0.7075

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

torch.Size([12772, 200])

15 0.4925 0.6701 0.6272 0.6701

weight\_b:Parameter containing:

tensor([[0.1012],

[0.1600]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0081]], requires\_grad=True)

test\_f1-ma: 0.6958 test\_f1-mi: 0.7211

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

torch.Size([12772, 200])

16 0.4621 0.6803 0.6415 0.6803

weight\_b:Parameter containing:

tensor([[0.1063],

[0.1648]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0081]], requires\_grad=True)

test\_f1-ma: 0.6836 test\_f1-mi: 0.7075

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

torch.Size([12772, 200])

17 0.4362 0.6939 0.6634 0.6939

weight\_b:Parameter containing:

tensor([[0.1113],

[0.1694]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0081]], requires\_grad=True)

test\_f1-ma: 0.6794 test\_f1-mi: 0.7075

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

torch.Size([12772, 200])

18 0.4122 0.7075 0.6823 0.7075

weight\_b:Parameter containing:

tensor([[0.1162],

[0.1739]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0081]], requires\_grad=True)

test\_f1-ma: 0.6902 test\_f1-mi: 0.7211

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

torch.Size([12772, 200])

19 0.3877 0.7109 0.6840 0.7109

weight\_b:Parameter containing:

tensor([[0.1210],

[0.1783]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0081]], requires\_grad=True)

test\_f1-ma: 0.6954 test\_f1-mi: 0.7279

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

torch.Size([12772, 200])

20 0.3610 0.7075 0.6785 0.7075

weight\_b:Parameter containing:

tensor([[0.1258],

[0.1826]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0081]], requires\_grad=True)

test\_f1-ma: 0.6954 test\_f1-mi: 0.7279

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

torch.Size([12772, 200])

21 0.3392 0.7279 0.6978 0.7279

weight\_b:Parameter containing:

tensor([[0.1305],

[0.1869]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0081]], requires\_grad=True)

test\_f1-ma: 0.6989 test\_f1-mi: 0.7279

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

torch.Size([12772, 200])

22 0.3185 0.7381 0.7058 0.7381

weight\_b:Parameter containing:

tensor([[0.1351],

[0.1912]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0081]], requires\_grad=True)

test\_f1-ma: 0.6989 test\_f1-mi: 0.7279

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

torch.Size([12772, 200])

23 0.2963 0.7381 0.7058 0.7381

weight\_b:Parameter containing:

tensor([[0.1397],

[0.1954]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0081]], requires\_grad=True)

test\_f1-ma: 0.6966 test\_f1-mi: 0.7279

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

torch.Size([12772, 200])

24 0.2750 0.7551 0.7302 0.7551

weight\_b:Parameter containing:

tensor([[0.1442],

[0.1997]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0081]], requires\_grad=True)

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

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

torch.Size([12772, 200])

25 0.2577 0.7619 0.7458 0.7619

weight\_b:Parameter containing:

tensor([[0.1486],

[0.2039]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0081]], requires\_grad=True)

test\_f1-ma: 0.6790 test\_f1-mi: 0.7007

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

torch.Size([12772, 200])

26 0.2381 0.7585 0.7419 0.7585

weight\_b:Parameter containing:

tensor([[0.1530],

[0.2080]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0081]], requires\_grad=True)

test\_f1-ma: 0.6946 test\_f1-mi: 0.7143

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

torch.Size([12772, 200])

27 0.2217 0.7585 0.7411 0.7585

weight\_b:Parameter containing:

tensor([[0.1573],

[0.2123]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0081]], requires\_grad=True)

test\_f1-ma: 0.7138 test\_f1-mi: 0.7347

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

torch.Size([12772, 200])

28 0.2075 0.7687 0.7561 0.7687

weight\_b:Parameter containing:

tensor([[0.1616],

[0.2165]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0081]], requires\_grad=True)

test\_f1-ma: 0.6856 test\_f1-mi: 0.7075

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

torch.Size([12772, 200])

29 0.1920 0.7721 0.7642 0.7721

weight\_b:Parameter containing:

tensor([[0.1659],

[0.2207]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0081]], requires\_grad=True)

test\_f1-ma: 0.6801 test\_f1-mi: 0.7007

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

torch.Size([12772, 200])

30 0.1802 0.7687 0.7640 0.7687

weight\_b:Parameter containing:

tensor([[0.1701],

[0.2250]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0081]], requires\_grad=True)

test\_f1-ma: 0.6801 test\_f1-mi: 0.7007

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

torch.Size([12772, 200])

31 0.1676 0.7687 0.7640 0.7687

weight\_b:Parameter containing:

tensor([[0.1742],

[0.2292]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0081]], requires\_grad=True)

test\_f1-ma: 0.6736 test\_f1-mi: 0.6939

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

torch.Size([12772, 200])

32 0.1556 0.7755 0.7720 0.7755

weight\_b:Parameter containing:

tensor([[0.1783],

[0.2335]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0081]], requires\_grad=True)

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

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

torch.Size([12772, 200])

33 0.1458 0.7755 0.7714 0.7755

weight\_b:Parameter containing:

tensor([[0.1823],

[0.2377]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0081]], requires\_grad=True)

test\_f1-ma: 0.6879 test\_f1-mi: 0.7007

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

torch.Size([12772, 200])

34 0.1347 0.7653 0.7608 0.7653

weight\_b:Parameter containing:

tensor([[0.1863],

[0.2419]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0081]], requires\_grad=True)

test\_f1-ma: 0.6934 test\_f1-mi: 0.7075

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

torch.Size([12772, 200])

35 0.1255 0.7653 0.7588 0.7653

weight\_b:Parameter containing:

tensor([[0.1902],

[0.2461]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0081]], requires\_grad=True)

test\_f1-ma: 0.6934 test\_f1-mi: 0.7075

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

torch.Size([12772, 200])

36 0.1165 0.7721 0.7652 0.7721

weight\_b:Parameter containing:

tensor([[0.1941],

[0.2502]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0081]], requires\_grad=True)

test\_f1-ma: 0.7301 test\_f1-mi: 0.7347

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

torch.Size([12772, 200])

37 0.1088 0.7755 0.7669 0.7755

weight\_b:Parameter containing:

tensor([[0.1979],

[0.2543]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0081]], requires\_grad=True)

test\_f1-ma: 0.7355 test\_f1-mi: 0.7415

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

torch.Size([12772, 200])

38 0.1015 0.7687 0.7594 0.7687

weight\_b:Parameter containing:

tensor([[0.2017],

[0.2584]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0081]], requires\_grad=True)

test\_f1-ma: 0.7355 test\_f1-mi: 0.7415

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

torch.Size([12772, 200])

39 0.0945 0.7721 0.7636 0.7721

weight\_b:Parameter containing:

tensor([[0.2055],

[0.2624]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0081]], requires\_grad=True)

test\_f1-ma: 0.7301 test\_f1-mi: 0.7347

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

torch.Size([12772, 200])

40 0.0887 0.7721 0.7652 0.7721

weight\_b:Parameter containing:

tensor([[0.2092],

[0.2663]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0081]], requires\_grad=True)

test\_f1-ma: 0.7265 test\_f1-mi: 0.7347

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

torch.Size([12772, 200])

41 0.0825 0.7653 0.7597 0.7653

weight\_b:Parameter containing:

tensor([[0.2129],

[0.2702]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0081]], requires\_grad=True)

test\_f1-ma: 0.7301 test\_f1-mi: 0.7347

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

torch.Size([12772, 200])

42 0.0777 0.7585 0.7524 0.7585

weight\_b:Parameter containing:

tensor([[0.2165],

[0.2741]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0081]], requires\_grad=True)

test\_f1-ma: 0.7200 test\_f1-mi: 0.7279

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

torch.Size([12772, 200])

43 0.0732 0.7721 0.7653 0.7721

weight\_b:Parameter containing:

tensor([[0.2200],

[0.2778]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0081]], requires\_grad=True)

test\_f1-ma: 0.7368 test\_f1-mi: 0.7415

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

torch.Size([12772, 200])

44 0.0704 0.7721 0.7650 0.7721

weight\_b:Parameter containing:

tensor([[0.2235],

[0.2816]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0081]], requires\_grad=True)

test\_f1-ma: 0.7350 test\_f1-mi: 0.7415

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

torch.Size([12772, 200])

45 0.0692 0.7755 0.7661 0.7755

weight\_b:Parameter containing:

tensor([[0.2269],

[0.2853]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0081]], requires\_grad=True)

test\_f1-ma: 0.7187 test\_f1-mi: 0.7279

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

torch.Size([12772, 200])

46 0.0684 0.7721 0.7650 0.7721

weight\_b:Parameter containing:

tensor([[0.2302],

[0.2889]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0081]], requires\_grad=True)

test\_f1-ma: 0.7238 test\_f1-mi: 0.7347

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

torch.Size([12772, 200])

47 0.0660 0.7891 0.7800 0.7891

weight\_b:Parameter containing:

tensor([[0.2335],

[0.2925]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0081]], requires\_grad=True)

test\_f1-ma: 0.7259 test\_f1-mi: 0.7347

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

torch.Size([12772, 200])

48 0.0572 0.7755 0.7675 0.7755

weight\_b:Parameter containing:

tensor([[0.2367],

[0.2960]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0081]], requires\_grad=True)

test\_f1-ma: 0.7170 test\_f1-mi: 0.7279

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

torch.Size([12772, 200])

49 0.0546 0.7755 0.7675 0.7755

weight\_b:Parameter containing:

tensor([[0.2399],

[0.2995]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0081]], requires\_grad=True)

test\_f1-ma: 0.7249 test\_f1-mi: 0.7347

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

torch.Size([12772, 200])

50 0.0570 0.7891 0.7815 0.7891

weight\_b:Parameter containing:

tensor([[0.2430],

[0.3028]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0081]], requires\_grad=True)

test\_f1-ma: 0.7567 test\_f1-mi: 0.7619

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

torch.Size([12772, 200])

51 0.0515 0.7823 0.7749 0.7823

weight\_b:Parameter containing:

tensor([[0.2461],

[0.3062]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0081]], requires\_grad=True)

test\_f1-ma: 0.7483 test\_f1-mi: 0.7551

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

torch.Size([12772, 200])

52 0.0473 0.7823 0.7749 0.7823

weight\_b:Parameter containing:

tensor([[0.2492],

[0.3094]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0081]], requires\_grad=True)

test\_f1-ma: 0.7476 test\_f1-mi: 0.7551

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

torch.Size([12772, 200])

53 0.0485 0.7891 0.7806 0.7891

weight\_b:Parameter containing:

tensor([[0.2521],

[0.3126]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0081]], requires\_grad=True)

test\_f1-ma: 0.7567 test\_f1-mi: 0.7619

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

torch.Size([12772, 200])

54 0.0462 0.7823 0.7749 0.7823

weight\_b:Parameter containing:

tensor([[0.2551],

[0.3158]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0081]], requires\_grad=True)

test\_f1-ma: 0.7640 test\_f1-mi: 0.7687

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

torch.Size([12772, 200])

55 0.0426 0.7823 0.7749 0.7823

weight\_b:Parameter containing:

tensor([[0.2580],

[0.3189]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0081]], requires\_grad=True)

test\_f1-ma: 0.7640 test\_f1-mi: 0.7687

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

torch.Size([12772, 200])

56 0.0428 0.7857 0.7775 0.7857

weight\_b:Parameter containing:

tensor([[0.2609],

[0.3219]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0081]], requires\_grad=True)

test\_f1-ma: 0.7721 test\_f1-mi: 0.7755

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

torch.Size([12772, 200])

57 0.0425 0.7857 0.7781 0.7857

weight\_b:Parameter containing:

tensor([[0.2637],

[0.3248]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0081]], requires\_grad=True)

test\_f1-ma: 0.7483 test\_f1-mi: 0.7551

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

torch.Size([12772, 200])

58 0.0400 0.7891 0.7805 0.7891

weight\_b:Parameter containing:

tensor([[0.2664],

[0.3277]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0081]], requires\_grad=True)

test\_f1-ma: 0.7546 test\_f1-mi: 0.7619

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

torch.Size([12772, 200])

59 0.0383 0.7823 0.7749 0.7823

weight\_b:Parameter containing:

tensor([[0.2692],

[0.3306]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0081]], requires\_grad=True)

test\_f1-ma: 0.7703 test\_f1-mi: 0.7755

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

torch.Size([12772, 200])

60 0.0389 0.7891 0.7800 0.7891

weight\_b:Parameter containing:

tensor([[0.2718],

[0.3334]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0081]], requires\_grad=True)

test\_f1-ma: 0.7655 test\_f1-mi: 0.7755

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

torch.Size([12772, 200])

61 0.0390 0.7857 0.7765 0.7857

weight\_b:Parameter containing:

tensor([[0.2745],

[0.3361]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0081]], requires\_grad=True)

test\_f1-ma: 0.7594 test\_f1-mi: 0.7619

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

torch.Size([12772, 200])

62 0.0371 0.7857 0.7757 0.7857

weight\_b:Parameter containing:

tensor([[0.2771],

[0.3389]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0081]], requires\_grad=True)

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

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

torch.Size([12772, 200])

63 0.0353 0.7857 0.7772 0.7857

weight\_b:Parameter containing:

tensor([[0.2796],

[0.3415]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0081]], requires\_grad=True)

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

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

torch.Size([12772, 200])

64 0.0352 0.7857 0.7766 0.7857

weight\_b:Parameter containing:

tensor([[0.2821],

[0.3441]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0081]], requires\_grad=True)

test\_f1-ma: 0.7543 test\_f1-mi: 0.7619

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

torch.Size([12772, 200])

65 0.0358 0.7857 0.7757 0.7857

weight\_b:Parameter containing:

tensor([[0.2846],

[0.3467]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0081]], requires\_grad=True)

test\_f1-ma: 0.7591 test\_f1-mi: 0.7687

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

torch.Size([12772, 200])

66 0.0368 0.7857 0.7778 0.7857

weight\_b:Parameter containing:

tensor([[0.2870],

[0.3493]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0081]], requires\_grad=True)

test\_f1-ma: 0.7558 test\_f1-mi: 0.7619

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

torch.Size([12772, 200])

67 0.0376 0.7823 0.7726 0.7823

weight\_b:Parameter containing:

tensor([[0.2894],

[0.3518]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0081]], requires\_grad=True)

test\_f1-ma: 0.7522 test\_f1-mi: 0.7619

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

torch.Size([12772, 200])

68 0.0406 0.7959 0.7868 0.7959

weight\_b:Parameter containing:

tensor([[0.2917],

[0.3543]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0081]], requires\_grad=True)

test\_f1-ma: 0.7431 test\_f1-mi: 0.7483

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

torch.Size([12772, 200])

69 0.0442 0.7789 0.7694 0.7789

weight\_b:Parameter containing:

tensor([[0.2941],

[0.3567]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0081]], requires\_grad=True)

test\_f1-ma: 0.7475 test\_f1-mi: 0.7551

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

torch.Size([12772, 200])

70 0.0522 0.7789 0.7722 0.7789

weight\_b:Parameter containing:

tensor([[0.2965],

[0.3591]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0081]], requires\_grad=True)

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

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

torch.Size([12772, 200])

71 0.0544 0.7687 0.7578 0.7687

weight\_b:Parameter containing:

tensor([[0.2990],

[0.3615]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0081]], requires\_grad=True)

test\_f1-ma: 0.7464 test\_f1-mi: 0.7551

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

torch.Size([12772, 200])

72 0.0462 0.7823 0.7743 0.7823

weight\_b:Parameter containing:

tensor([[0.3014],

[0.3638]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0081]], requires\_grad=True)

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

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

torch.Size([12772, 200])

73 0.0324 0.7823 0.7722 0.7823

weight\_b:Parameter containing:

tensor([[0.3038],

[0.3661]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0081]], requires\_grad=True)

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

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

torch.Size([12772, 200])

74 0.0403 0.7755 0.7641 0.7755

weight\_b:Parameter containing:

tensor([[0.3061],

[0.3683]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0081]], requires\_grad=True)

test\_f1-ma: 0.7393 test\_f1-mi: 0.7483

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

torch.Size([12772, 200])

75 0.0296 0.7721 0.7633 0.7721

weight\_b:Parameter containing:

tensor([[0.3084],

[0.3705]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0081]], requires\_grad=True)

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

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

torch.Size([12772, 200])

76 0.0359 0.7755 0.7686 0.7755

weight\_b:Parameter containing:

tensor([[0.3107],

[0.3727]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0081]], requires\_grad=True)

test\_f1-ma: 0.7549 test\_f1-mi: 0.7619

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

torch.Size([12772, 200])

77 0.0288 0.7721 0.7633 0.7721

weight\_b:Parameter containing:

tensor([[0.3130],

[0.3748]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0081]], requires\_grad=True)

test\_f1-ma: 0.7543 test\_f1-mi: 0.7619

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

torch.Size([12772, 200])

78 0.0319 0.7789 0.7712 0.7789

weight\_b:Parameter containing:

tensor([[0.3152],

[0.3770]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0081]], requires\_grad=True)

test\_f1-ma: 0.7393 test\_f1-mi: 0.7483

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

torch.Size([12772, 200])

79 0.0288 0.7721 0.7619 0.7721

weight\_b:Parameter containing:

tensor([[0.3174],

[0.3790]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0081]], requires\_grad=True)

test\_f1-ma: 0.7524 test\_f1-mi: 0.7619

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

torch.Size([12772, 200])

80 0.0290 0.7789 0.7711 0.7789

weight\_b:Parameter containing:

tensor([[0.3195],

[0.3811]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0081]], requires\_grad=True)

test\_f1-ma: 0.7605 test\_f1-mi: 0.7687

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

torch.Size([12772, 200])

81 0.0275 0.7687 0.7589 0.7687

weight\_b:Parameter containing:

tensor([[0.3216],

[0.3831]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0081]], requires\_grad=True)

test\_f1-ma: 0.7543 test\_f1-mi: 0.7619

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

torch.Size([12772, 200])

82 0.0269 0.7755 0.7675 0.7755

weight\_b:Parameter containing:

tensor([[0.3237],

[0.3851]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0081]], requires\_grad=True)

test\_f1-ma: 0.7380 test\_f1-mi: 0.7483

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

torch.Size([12772, 200])

83 0.0263 0.7721 0.7635 0.7721

weight\_b:Parameter containing:

tensor([[0.3257],

[0.3870]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0081]], requires\_grad=True)

test\_f1-ma: 0.7530 test\_f1-mi: 0.7619

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

torch.Size([12772, 200])

84 0.0256 0.7755 0.7663 0.7755

weight\_b:Parameter containing:

tensor([[0.3277],

[0.3890]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0081]], requires\_grad=True)

test\_f1-ma: 0.7605 test\_f1-mi: 0.7687

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

torch.Size([12772, 200])

85 0.0253 0.7789 0.7687 0.7789

weight\_b:Parameter containing:

tensor([[0.3297],

[0.3909]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0081]], requires\_grad=True)

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

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

torch.Size([12772, 200])

86 0.0240 0.7755 0.7647 0.7755

weight\_b:Parameter containing:

tensor([[0.3316],

[0.3927]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0081]], requires\_grad=True)

test\_f1-ma: 0.7462 test\_f1-mi: 0.7551

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

torch.Size([12772, 200])

87 0.0245 0.7789 0.7698 0.7789

weight\_b:Parameter containing:

tensor([[0.3335],

[0.3946]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0081]], requires\_grad=True)

test\_f1-ma: 0.7462 test\_f1-mi: 0.7551

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

torch.Size([12772, 200])

88 0.0231 0.7823 0.7739 0.7823

weight\_b:Parameter containing:

tensor([[0.3353],

[0.3964]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0081]], requires\_grad=True)

test\_f1-ma: 0.7558 test\_f1-mi: 0.7619

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

torch.Size([12772, 200])

89 0.0237 0.7789 0.7687 0.7789

weight\_b:Parameter containing:

tensor([[0.3372],

[0.3982]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0081]], requires\_grad=True)

test\_f1-ma: 0.7558 test\_f1-mi: 0.7619

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

torch.Size([12772, 200])

90 0.0225 0.7789 0.7694 0.7789

weight\_b:Parameter containing:

tensor([[0.3389],

[0.4000]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0081]], requires\_grad=True)

test\_f1-ma: 0.7530 test\_f1-mi: 0.7619

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

torch.Size([12772, 200])

91 0.0233 0.7823 0.7725 0.7823

weight\_b:Parameter containing:

tensor([[0.3407],

[0.4017]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0081]], requires\_grad=True)

test\_f1-ma: 0.7466 test\_f1-mi: 0.7551

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

torch.Size([12772, 200])

92 0.0217 0.7721 0.7608 0.7721

weight\_b:Parameter containing:

tensor([[0.3424],

[0.4034]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0081]], requires\_grad=True)

test\_f1-ma: 0.7558 test\_f1-mi: 0.7619

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

torch.Size([12772, 200])

93 0.0231 0.7789 0.7682 0.7789

weight\_b:Parameter containing:

tensor([[0.3442],

[0.4052]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0081]], requires\_grad=True)

test\_f1-ma: 0.7558 test\_f1-mi: 0.7619

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

torch.Size([12772, 200])

94 0.0213 0.7755 0.7643 0.7755

weight\_b:Parameter containing:

tensor([[0.3459],

[0.4069]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0081]], requires\_grad=True)

test\_f1-ma: 0.7530 test\_f1-mi: 0.7619

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

torch.Size([12772, 200])

95 0.0226 0.7823 0.7740 0.7823

weight\_b:Parameter containing:

tensor([[0.3475],

[0.4085]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0081]], requires\_grad=True)

test\_f1-ma: 0.7398 test\_f1-mi: 0.7483

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

torch.Size([12772, 200])

96 0.0211 0.7755 0.7659 0.7755

weight\_b:Parameter containing:

tensor([[0.3492],

[0.4102]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0081]], requires\_grad=True)

test\_f1-ma: 0.7558 test\_f1-mi: 0.7619

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

torch.Size([12772, 200])

97 0.0225 0.7789 0.7702 0.7789

weight\_b:Parameter containing:

tensor([[0.3508],

[0.4118]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0081]], requires\_grad=True)

test\_f1-ma: 0.7558 test\_f1-mi: 0.7619

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

torch.Size([12772, 200])

98 0.0208 0.7755 0.7656 0.7755

weight\_b:Parameter containing:

tensor([[0.3524],

[0.4135]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0081]], requires\_grad=True)

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

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

torch.Size([12772, 200])

99 0.0220 0.7789 0.7709 0.7789

weight\_b:Parameter containing:

tensor([[0.3540],

[0.4151]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0081]], requires\_grad=True)

test\_f1-ma: 0.7466 test\_f1-mi: 0.7551

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

torch.Size([12772, 200])

100 0.0208 0.7755 0.7656 0.7755

weight\_b:Parameter containing:

tensor([[0.3556],

[0.4167]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0081]], requires\_grad=True)

test\_f1-ma: 0.7495 test\_f1-mi: 0.7551

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

time: 329.9487087727

[Classification] Macro-F1: 0.7431 (0.0000) | Micro-F1: 0.7483 (0.0000)

[0.7431273874600008, 0.7482993197278912]

Test F1-ma: 0.7431273875, F1-mi: 0.7482993197

Process finished with exit code 0