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, 64])

1 1.1129 0.3639 0.3044 0.3639

weight\_b:Parameter containing:

tensor([[0.0843],

[0.1178]], requires\_grad=True)

weight\_a:Parameter containing:

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

test\_f1-ma: 0.3420 test\_f1-mi: 0.3810

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

torch.Size([12772, 64])

2 1.0223 0.4898 0.2197 0.4898

weight\_b:Parameter containing:

tensor([[0.0867],

[0.1180]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0160]], requires\_grad=True)

test\_f1-ma: 0.2457 test\_f1-mi: 0.5102

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

torch.Size([12772, 64])

3 0.9832 0.4932 0.2207 0.4932

weight\_b:Parameter containing:

tensor([[0.0903],

[0.1197]], requires\_grad=True)

weight\_a:Parameter containing:

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

test\_f1-ma: 0.2212 test\_f1-mi: 0.4966

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

torch.Size([12772, 64])

4 0.9514 0.5034 0.2431 0.5034

weight\_b:Parameter containing:

tensor([[0.0945],

[0.1222]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0214]], requires\_grad=True)

test\_f1-ma: 0.2526 test\_f1-mi: 0.5102

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

torch.Size([12772, 64])

5 0.9172 0.5272 0.3052 0.5272

weight\_b:Parameter containing:

tensor([[0.0989],

[0.1256]], requires\_grad=True)

weight\_a:Parameter containing:

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

test\_f1-ma: 0.3073 test\_f1-mi: 0.5238

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

torch.Size([12772, 64])

6 0.8795 0.5442 0.3437 0.5442

weight\_b:Parameter containing:

tensor([[0.1035],

[0.1295]], requires\_grad=True)

weight\_a:Parameter containing:

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

test\_f1-ma: 0.3453 test\_f1-mi: 0.5442

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

torch.Size([12772, 64])

7 0.8391 0.5510 0.3813 0.5510

weight\_b:Parameter containing:

tensor([[0.1082],

[0.1337]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0216]], requires\_grad=True)

test\_f1-ma: 0.3956 test\_f1-mi: 0.5782

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

torch.Size([12772, 64])

8 0.7984 0.5578 0.4046 0.5578

weight\_b:Parameter containing:

tensor([[0.1131],

[0.1382]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0211]], requires\_grad=True)

test\_f1-ma: 0.4562 test\_f1-mi: 0.6054

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

torch.Size([12772, 64])

9 0.7611 0.5714 0.4462 0.5714

weight\_b:Parameter containing:

tensor([[0.1180],

[0.1428]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0208]], requires\_grad=True)

test\_f1-ma: 0.5843 test\_f1-mi: 0.6599

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

torch.Size([12772, 64])

10 0.7292 0.5884 0.5012 0.5884

weight\_b:Parameter containing:

tensor([[0.1230],

[0.1476]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0208]], requires\_grad=True)

test\_f1-ma: 0.6377 test\_f1-mi: 0.6803

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

torch.Size([12772, 64])

11 0.7014 0.5986 0.5436 0.5986

weight\_b:Parameter containing:

tensor([[0.1281],

[0.1525]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0212]], requires\_grad=True)

test\_f1-ma: 0.6602 test\_f1-mi: 0.6871

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

torch.Size([12772, 64])

12 0.6739 0.6224 0.5879 0.6224

weight\_b:Parameter containing:

tensor([[0.1333],

[0.1575]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0222]], requires\_grad=True)

test\_f1-ma: 0.6658 test\_f1-mi: 0.6939

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

torch.Size([12772, 64])

13 0.6443 0.6395 0.6076 0.6395

weight\_b:Parameter containing:

tensor([[0.1385],

[0.1626]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0238]], requires\_grad=True)

test\_f1-ma: 0.6423 test\_f1-mi: 0.6735

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

torch.Size([12772, 64])

14 0.6131 0.6531 0.6237 0.6531

weight\_b:Parameter containing:

tensor([[0.1437],

[0.1676]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0261]], requires\_grad=True)

test\_f1-ma: 0.6664 test\_f1-mi: 0.6939

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

torch.Size([12772, 64])

15 0.5831 0.6599 0.6260 0.6599

weight\_b:Parameter containing:

tensor([[0.1490],

[0.1727]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0287]], requires\_grad=True)

test\_f1-ma: 0.6657 test\_f1-mi: 0.6939

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

torch.Size([12772, 64])

16 0.5565 0.6497 0.6134 0.6497

weight\_b:Parameter containing:

tensor([[0.1542],

[0.1778]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0315]], requires\_grad=True)

test\_f1-ma: 0.6831 test\_f1-mi: 0.7075

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

torch.Size([12772, 64])

17 0.5334 0.6667 0.6257 0.6667

weight\_b:Parameter containing:

tensor([[0.1595],

[0.1828]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0341]], requires\_grad=True)

test\_f1-ma: 0.7006 test\_f1-mi: 0.7279

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

torch.Size([12772, 64])

18 0.5113 0.6769 0.6368 0.6769

weight\_b:Parameter containing:

tensor([[0.1647],

[0.1878]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0362]], requires\_grad=True)

test\_f1-ma: 0.7016 test\_f1-mi: 0.7279

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

torch.Size([12772, 64])

19 0.4875 0.6803 0.6474 0.6803

weight\_b:Parameter containing:

tensor([[0.1699],

[0.1927]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0380]], requires\_grad=True)

test\_f1-ma: 0.7016 test\_f1-mi: 0.7279

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

torch.Size([12772, 64])

20 0.4630 0.6973 0.6648 0.6973

weight\_b:Parameter containing:

tensor([[0.1750],

[0.1976]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0397]], requires\_grad=True)

test\_f1-ma: 0.7081 test\_f1-mi: 0.7347

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

torch.Size([12772, 64])

21 0.4402 0.6939 0.6633 0.6939

weight\_b:Parameter containing:

tensor([[0.1801],

[0.2023]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0420]], requires\_grad=True)

test\_f1-ma: 0.7077 test\_f1-mi: 0.7347

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

torch.Size([12772, 64])

22 0.4200 0.7041 0.6757 0.7041

weight\_b:Parameter containing:

tensor([[0.1850],

[0.2070]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0448]], requires\_grad=True)

test\_f1-ma: 0.7042 test\_f1-mi: 0.7347

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

torch.Size([12772, 64])

23 0.4011 0.7007 0.6739 0.7007

weight\_b:Parameter containing:

tensor([[0.1899],

[0.2115]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0483]], requires\_grad=True)

test\_f1-ma: 0.6988 test\_f1-mi: 0.7279

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

torch.Size([12772, 64])

24 0.3811 0.7109 0.6877 0.7109

weight\_b:Parameter containing:

tensor([[0.1947],

[0.2160]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0522]], requires\_grad=True)

test\_f1-ma: 0.7032 test\_f1-mi: 0.7347

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

torch.Size([12772, 64])

25 0.3600 0.7109 0.6870 0.7109

weight\_b:Parameter containing:

tensor([[0.1995],

[0.2204]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0565]], requires\_grad=True)

test\_f1-ma: 0.7032 test\_f1-mi: 0.7347

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

torch.Size([12772, 64])

26 0.3407 0.7211 0.6927 0.7211

weight\_b:Parameter containing:

tensor([[0.2041],

[0.2247]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0610]], requires\_grad=True)

test\_f1-ma: 0.7032 test\_f1-mi: 0.7347

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

torch.Size([12772, 64])

27 0.3234 0.7211 0.6919 0.7211

weight\_b:Parameter containing:

tensor([[0.2087],

[0.2290]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0654]], requires\_grad=True)

test\_f1-ma: 0.7032 test\_f1-mi: 0.7347

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

torch.Size([12772, 64])

28 0.3060 0.7245 0.6987 0.7245

weight\_b:Parameter containing:

tensor([[0.2133],

[0.2332]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0699]], requires\_grad=True)

test\_f1-ma: 0.7087 test\_f1-mi: 0.7415

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

torch.Size([12772, 64])

29 0.2875 0.7313 0.7053 0.7313

weight\_b:Parameter containing:

tensor([[0.2178],

[0.2374]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0746]], requires\_grad=True)

test\_f1-ma: 0.7087 test\_f1-mi: 0.7415

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

torch.Size([12772, 64])

30 0.2699 0.7313 0.7136 0.7313

weight\_b:Parameter containing:

tensor([[0.2222],

[0.2416]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0797]], requires\_grad=True)

test\_f1-ma: 0.6955 test\_f1-mi: 0.7211

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

torch.Size([12772, 64])

31 0.2543 0.7245 0.7127 0.7245

weight\_b:Parameter containing:

tensor([[0.2266],

[0.2457]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0850]], requires\_grad=True)

test\_f1-ma: 0.6955 test\_f1-mi: 0.7211

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

torch.Size([12772, 64])

32 0.2383 0.7347 0.7232 0.7347

weight\_b:Parameter containing:

tensor([[0.2309],

[0.2498]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0907]], requires\_grad=True)

test\_f1-ma: 0.7112 test\_f1-mi: 0.7347

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

torch.Size([12772, 64])

33 0.2219 0.7483 0.7381 0.7483

weight\_b:Parameter containing:

tensor([[0.2351],

[0.2540]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0966]], requires\_grad=True)

test\_f1-ma: 0.7057 test\_f1-mi: 0.7279

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

torch.Size([12772, 64])

34 0.2075 0.7313 0.7175 0.7313

weight\_b:Parameter containing:

tensor([[0.2393],

[0.2581]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.1027]], requires\_grad=True)

test\_f1-ma: 0.7068 test\_f1-mi: 0.7279

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

torch.Size([12772, 64])

35 0.1937 0.7483 0.7387 0.7483

weight\_b:Parameter containing:

tensor([[0.2434],

[0.2622]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.1088]], requires\_grad=True)

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

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

torch.Size([12772, 64])

36 0.1791 0.7585 0.7490 0.7585

weight\_b:Parameter containing:

tensor([[0.2475],

[0.2663]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.1151]], requires\_grad=True)

test\_f1-ma: 0.7067 test\_f1-mi: 0.7211

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

torch.Size([12772, 64])

37 0.1660 0.7653 0.7561 0.7653

weight\_b:Parameter containing:

tensor([[0.2515],

[0.2704]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.1216]], requires\_grad=True)

test\_f1-ma: 0.7067 test\_f1-mi: 0.7211

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

torch.Size([12772, 64])

38 0.1539 0.7687 0.7608 0.7687

weight\_b:Parameter containing:

tensor([[0.2555],

[0.2745]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.1283]], requires\_grad=True)

test\_f1-ma: 0.6890 test\_f1-mi: 0.7007

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

torch.Size([12772, 64])

39 0.1410 0.7721 0.7641 0.7721

weight\_b:Parameter containing:

tensor([[0.2593],

[0.2785]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.1350]], requires\_grad=True)

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

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

torch.Size([12772, 64])

40 0.1294 0.7721 0.7640 0.7721

weight\_b:Parameter containing:

tensor([[0.2631],

[0.2826]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.1418]], requires\_grad=True)

test\_f1-ma: 0.7053 test\_f1-mi: 0.7143

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

torch.Size([12772, 64])

41 0.1180 0.7721 0.7640 0.7721

weight\_b:Parameter containing:

tensor([[0.2668],

[0.2866]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.1487]], requires\_grad=True)

test\_f1-ma: 0.6999 test\_f1-mi: 0.7075

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

torch.Size([12772, 64])

42 0.1063 0.7721 0.7687 0.7721

weight\_b:Parameter containing:

tensor([[0.2704],

[0.2906]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.1557]], requires\_grad=True)

test\_f1-ma: 0.7160 test\_f1-mi: 0.7211

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

torch.Size([12772, 64])

43 0.0962 0.7755 0.7718 0.7755

weight\_b:Parameter containing:

tensor([[0.2740],

[0.2946]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.1627]], requires\_grad=True)

test\_f1-ma: 0.7364 test\_f1-mi: 0.7415

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

torch.Size([12772, 64])

44 0.0860 0.7755 0.7703 0.7755

weight\_b:Parameter containing:

tensor([[0.2775],

[0.2985]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.1698]], requires\_grad=True)

test\_f1-ma: 0.7467 test\_f1-mi: 0.7483

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

torch.Size([12772, 64])

45 0.0767 0.7755 0.7682 0.7755

weight\_b:Parameter containing:

tensor([[0.2809],

[0.3024]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.1769]], requires\_grad=True)

test\_f1-ma: 0.7467 test\_f1-mi: 0.7483

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

torch.Size([12772, 64])

46 0.0681 0.7687 0.7607 0.7687

weight\_b:Parameter containing:

tensor([[0.2843],

[0.3061]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.1839]], requires\_grad=True)

test\_f1-ma: 0.7440 test\_f1-mi: 0.7483

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

torch.Size([12772, 64])

47 0.0598 0.7755 0.7703 0.7755

weight\_b:Parameter containing:

tensor([[0.2877],

[0.3099]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.1910]], requires\_grad=True)

test\_f1-ma: 0.7440 test\_f1-mi: 0.7483

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

torch.Size([12772, 64])

48 0.0530 0.7789 0.7748 0.7789

weight\_b:Parameter containing:

tensor([[0.2910],

[0.3135]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.1981]], requires\_grad=True)

test\_f1-ma: 0.7530 test\_f1-mi: 0.7551

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

torch.Size([12772, 64])

49 0.0462 0.7789 0.7748 0.7789

weight\_b:Parameter containing:

tensor([[0.2942],

[0.3171]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.2051]], requires\_grad=True)

test\_f1-ma: 0.7530 test\_f1-mi: 0.7551

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

torch.Size([12772, 64])

50 0.0420 0.7789 0.7766 0.7789

weight\_b:Parameter containing:

tensor([[0.2974],

[0.3206]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.2121]], requires\_grad=True)

test\_f1-ma: 0.7675 test\_f1-mi: 0.7687

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

torch.Size([12772, 64])

51 0.0419 0.7721 0.7680 0.7721

weight\_b:Parameter containing:

tensor([[0.3005],

[0.3240]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.2189]], requires\_grad=True)

test\_f1-ma: 0.7586 test\_f1-mi: 0.7619

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

torch.Size([12772, 64])

52 0.0481 0.7823 0.7798 0.7823

weight\_b:Parameter containing:

tensor([[0.3036],

[0.3272]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.2255]], requires\_grad=True)

test\_f1-ma: 0.7711 test\_f1-mi: 0.7755

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

torch.Size([12772, 64])

53 0.0315 0.7687 0.7639 0.7687

weight\_b:Parameter containing:

tensor([[0.3065],

[0.3304]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.2321]], requires\_grad=True)

test\_f1-ma: 0.7658 test\_f1-mi: 0.7687

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

torch.Size([12772, 64])

54 0.0333 0.7653 0.7591 0.7653

weight\_b:Parameter containing:

tensor([[0.3094],

[0.3335]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.2385]], requires\_grad=True)

test\_f1-ma: 0.7658 test\_f1-mi: 0.7687

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

torch.Size([12772, 64])

55 0.0280 0.7755 0.7700 0.7755

weight\_b:Parameter containing:

tensor([[0.3121],

[0.3365]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.2448]], requires\_grad=True)

test\_f1-ma: 0.7686 test\_f1-mi: 0.7755

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

torch.Size([12772, 64])

56 0.0273 0.7789 0.7751 0.7789

weight\_b:Parameter containing:

tensor([[0.3148],

[0.3394]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.2509]], requires\_grad=True)

test\_f1-ma: 0.7686 test\_f1-mi: 0.7755

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

torch.Size([12772, 64])

57 0.0213 0.7721 0.7670 0.7721

weight\_b:Parameter containing:

tensor([[0.3174],

[0.3422]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.2568]], requires\_grad=True)

test\_f1-ma: 0.7622 test\_f1-mi: 0.7687

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

torch.Size([12772, 64])

58 0.0250 0.7721 0.7660 0.7721

weight\_b:Parameter containing:

tensor([[0.3199],

[0.3449]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.2625]], requires\_grad=True)

test\_f1-ma: 0.7566 test\_f1-mi: 0.7619

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

torch.Size([12772, 64])

59 0.0166 0.7789 0.7741 0.7789

weight\_b:Parameter containing:

tensor([[0.3223],

[0.3475]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.2681]], requires\_grad=True)

test\_f1-ma: 0.7686 test\_f1-mi: 0.7755

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

torch.Size([12772, 64])

60 0.0264 0.7857 0.7802 0.7857

weight\_b:Parameter containing:

tensor([[0.3247],

[0.3500]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.2735]], requires\_grad=True)

test\_f1-ma: 0.7631 test\_f1-mi: 0.7687

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

torch.Size([12772, 64])

61 0.0138 0.7721 0.7660 0.7721

weight\_b:Parameter containing:

tensor([[0.3269],

[0.3523]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.2787]], requires\_grad=True)

test\_f1-ma: 0.7622 test\_f1-mi: 0.7687

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

torch.Size([12772, 64])

62 0.0265 0.7687 0.7629 0.7687

weight\_b:Parameter containing:

tensor([[0.3292],

[0.3547]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.2837]], requires\_grad=True)

test\_f1-ma: 0.7364 test\_f1-mi: 0.7415

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

torch.Size([12772, 64])

63 0.0123 0.7789 0.7728 0.7789

weight\_b:Parameter containing:

tensor([[0.3313],

[0.3569]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.2886]], requires\_grad=True)

test\_f1-ma: 0.7686 test\_f1-mi: 0.7755

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

torch.Size([12772, 64])

64 0.0300 0.7789 0.7726 0.7789

weight\_b:Parameter containing:

tensor([[0.3335],

[0.3590]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.2933]], requires\_grad=True)

test\_f1-ma: 0.7593 test\_f1-mi: 0.7619

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

torch.Size([12772, 64])

65 0.0115 0.7789 0.7718 0.7789

weight\_b:Parameter containing:

tensor([[0.3355],

[0.3610]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.2978]], requires\_grad=True)

test\_f1-ma: 0.7686 test\_f1-mi: 0.7755

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

torch.Size([12772, 64])

66 0.0240 0.7687 0.7633 0.7687

weight\_b:Parameter containing:

tensor([[0.3376],

[0.3630]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.3022]], requires\_grad=True)

test\_f1-ma: 0.7418 test\_f1-mi: 0.7483

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torch.Size([12772, 64])

67 0.0112 0.7789 0.7722 0.7789

weight\_b:Parameter containing:

tensor([[0.3395],

[0.3650]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.3065]], requires\_grad=True)

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

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

torch.Size([12772, 64])

68 0.0160 0.7755 0.7697 0.7755

weight\_b:Parameter containing:

tensor([[0.3414],

[0.3668]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.3106]], requires\_grad=True)

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

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

torch.Size([12772, 64])

69 0.0183 0.7789 0.7727 0.7789

weight\_b:Parameter containing:

tensor([[0.3431],

[0.3686]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.3146]], requires\_grad=True)

test\_f1-ma: 0.7666 test\_f1-mi: 0.7687

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

torch.Size([12772, 64])

70 0.0098 0.7823 0.7753 0.7823

weight\_b:Parameter containing:

tensor([[0.3449],

[0.3703]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.3185]], requires\_grad=True)

test\_f1-ma: 0.7786 test\_f1-mi: 0.7823

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

torch.Size([12772, 64])

71 0.0126 0.7755 0.7691 0.7755

weight\_b:Parameter containing:

tensor([[0.3466],

[0.3720]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.3223]], requires\_grad=True)

test\_f1-ma: 0.7637 test\_f1-mi: 0.7687

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

torch.Size([12772, 64])

72 0.0140 0.7755 0.7691 0.7755

weight\_b:Parameter containing:

tensor([[0.3483],

[0.3736]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.3260]], requires\_grad=True)

test\_f1-ma: 0.7621 test\_f1-mi: 0.7687

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

torch.Size([12772, 64])

73 0.0103 0.7789 0.7722 0.7789

weight\_b:Parameter containing:

tensor([[0.3500],

[0.3752]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.3296]], requires\_grad=True)

test\_f1-ma: 0.7639 test\_f1-mi: 0.7687

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

torch.Size([12772, 64])

74 0.0120 0.7823 0.7745 0.7823

weight\_b:Parameter containing:

tensor([[0.3516],

[0.3767]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.3331]], requires\_grad=True)

test\_f1-ma: 0.7677 test\_f1-mi: 0.7687

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

torch.Size([12772, 64])

75 0.0123 0.7891 0.7808 0.7891

weight\_b:Parameter containing:

tensor([[0.3532],

[0.3782]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.3366]], requires\_grad=True)

test\_f1-ma: 0.7677 test\_f1-mi: 0.7687

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

torch.Size([12772, 64])

76 0.0097 0.7823 0.7748 0.7823

weight\_b:Parameter containing:

tensor([[0.3547],

[0.3797]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.3400]], requires\_grad=True)

test\_f1-ma: 0.7677 test\_f1-mi: 0.7687

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

torch.Size([12772, 64])

77 0.0100 0.7789 0.7722 0.7789

weight\_b:Parameter containing:

tensor([[0.3563],

[0.3812]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.3433]], requires\_grad=True)

test\_f1-ma: 0.7731 test\_f1-mi: 0.7755

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

torch.Size([12772, 64])

78 0.0108 0.7721 0.7660 0.7721

weight\_b:Parameter containing:

tensor([[0.3577],

[0.3826]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.3466]], requires\_grad=True)

test\_f1-ma: 0.7611 test\_f1-mi: 0.7687

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

torch.Size([12772, 64])

79 0.0100 0.7789 0.7705 0.7789

weight\_b:Parameter containing:

tensor([[0.3591],

[0.3840]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.3498]], requires\_grad=True)

test\_f1-ma: 0.7676 test\_f1-mi: 0.7755

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

torch.Size([12772, 64])

80 0.0094 0.7823 0.7748 0.7823

weight\_b:Parameter containing:

tensor([[0.3605],

[0.3854]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.3529]], requires\_grad=True)

test\_f1-ma: 0.7639 test\_f1-mi: 0.7687

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

torch.Size([12772, 64])

81 0.0092 0.7891 0.7809 0.7891

weight\_b:Parameter containing:

tensor([[0.3618],

[0.3868]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.3560]], requires\_grad=True)

test\_f1-ma: 0.7795 test\_f1-mi: 0.7823

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

torch.Size([12772, 64])

82 0.0103 0.7857 0.7757 0.7857

weight\_b:Parameter containing:

tensor([[0.3631],

[0.3881]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.3591]], requires\_grad=True)

test\_f1-ma: 0.7795 test\_f1-mi: 0.7823

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

torch.Size([12772, 64])

83 0.0090 0.7857 0.7754 0.7857

weight\_b:Parameter containing:

tensor([[0.3644],

[0.3894]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.3621]], requires\_grad=True)

test\_f1-ma: 0.7731 test\_f1-mi: 0.7755

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

torch.Size([12772, 64])

84 0.0087 0.7823 0.7728 0.7823

weight\_b:Parameter containing:

tensor([[0.3657],

[0.3908]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.3650]], requires\_grad=True)

test\_f1-ma: 0.7786 test\_f1-mi: 0.7823

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

torch.Size([12772, 64])

85 0.0098 0.7755 0.7652 0.7755

weight\_b:Parameter containing:

tensor([[0.3669],

[0.3921]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.3679]], requires\_grad=True)

test\_f1-ma: 0.7611 test\_f1-mi: 0.7687

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

torch.Size([12772, 64])

86 0.0090 0.7789 0.7683 0.7789

weight\_b:Parameter containing:

tensor([[0.3681],

[0.3934]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.3709]], requires\_grad=True)

test\_f1-ma: 0.7637 test\_f1-mi: 0.7687

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

torch.Size([12772, 64])

87 0.0087 0.7789 0.7683 0.7789

weight\_b:Parameter containing:

tensor([[0.3693],

[0.3947]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.3737]], requires\_grad=True)

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

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

torch.Size([12772, 64])

88 0.0092 0.7755 0.7656 0.7755

weight\_b:Parameter containing:

tensor([[0.3704],

[0.3960]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.3766]], requires\_grad=True)

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

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

torch.Size([12772, 64])

89 0.0091 0.7755 0.7656 0.7755

weight\_b:Parameter containing:

tensor([[0.3716],

[0.3972]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.3794]], requires\_grad=True)

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

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

torch.Size([12772, 64])

90 0.0086 0.7755 0.7656 0.7755

weight\_b:Parameter containing:

tensor([[0.3728],

[0.3985]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.3821]], requires\_grad=True)

test\_f1-ma: 0.7795 test\_f1-mi: 0.7823

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

torch.Size([12772, 64])

91 0.0088 0.7755 0.7660 0.7755

weight\_b:Parameter containing:

tensor([[0.3739],

[0.3998]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.3849]], requires\_grad=True)

test\_f1-ma: 0.7731 test\_f1-mi: 0.7755

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

torch.Size([12772, 64])

92 0.0091 0.7755 0.7660 0.7755

weight\_b:Parameter containing:

tensor([[0.3750],

[0.4010]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.3877]], requires\_grad=True)

test\_f1-ma: 0.7667 test\_f1-mi: 0.7687

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

torch.Size([12772, 64])

93 0.0086 0.7755 0.7660 0.7755

weight\_b:Parameter containing:

tensor([[0.3761],

[0.4023]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.3904]], requires\_grad=True)

test\_f1-ma: 0.7731 test\_f1-mi: 0.7755

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

torch.Size([12772, 64])

94 0.0089 0.7755 0.7656 0.7755

weight\_b:Parameter containing:

tensor([[0.3772],

[0.4035]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.3931]], requires\_grad=True)

test\_f1-ma: 0.7795 test\_f1-mi: 0.7823

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

torch.Size([12772, 64])

95 0.0089 0.7755 0.7656 0.7755

weight\_b:Parameter containing:

tensor([[0.3783],

[0.4048]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.3958]], requires\_grad=True)

test\_f1-ma: 0.7795 test\_f1-mi: 0.7823

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

torch.Size([12772, 64])

96 0.0085 0.7755 0.7660 0.7755

weight\_b:Parameter containing:

tensor([[0.3794],

[0.4060]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.3985]], requires\_grad=True)

test\_f1-ma: 0.7731 test\_f1-mi: 0.7755

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

torch.Size([12772, 64])

97 0.0089 0.7721 0.7620 0.7721

weight\_b:Parameter containing:

tensor([[0.3805],

[0.4073]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.4012]], requires\_grad=True)

test\_f1-ma: 0.7648 test\_f1-mi: 0.7687

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

torch.Size([12772, 64])

98 0.0086 0.7755 0.7651 0.7755

weight\_b:Parameter containing:

tensor([[0.3816],

[0.4085]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.4038]], requires\_grad=True)

test\_f1-ma: 0.7648 test\_f1-mi: 0.7687

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

torch.Size([12772, 64])

99 0.0086 0.7755 0.7647 0.7755

weight\_b:Parameter containing:

tensor([[0.3827],

[0.4098]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.4065]], requires\_grad=True)

test\_f1-ma: 0.7712 test\_f1-mi: 0.7755

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

torch.Size([12772, 64])

100 0.0087 0.7755 0.7656 0.7755

weight\_b:Parameter containing:

tensor([[0.3838],

[0.4110]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.4092]], requires\_grad=True)

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

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

time: 244.3359558582

[Classification] Macro-F1: 0.7795 (0.0000) | Micro-F1: 0.7687 (0.0000)

[0.7794674859190988, 0.7687074829931972]

Test F1-ma: 0.7794674859, F1-mi: 0.7687074830

Process finished with exit code 0