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 1.0982 0.4524 0.2300 0.4524

weight\_b:Parameter containing:

tensor([[0.0478],

[0.0902]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0075]], requires\_grad=True)

test\_f1-ma: 0.2406 test\_f1-mi: 0.4762

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

torch.Size([12772, 200])

2 1.0402 0.4932 0.2202 0.4932

weight\_b:Parameter containing:

tensor([[0.0515],

[0.0940]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0075]], requires\_grad=True)

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

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

torch.Size([12772, 200])

3 1.0276 0.4932 0.2202 0.4932

weight\_b:Parameter containing:

tensor([[0.0530],

[0.0932]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0075]], requires\_grad=True)

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

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

torch.Size([12772, 200])

4 1.0104 0.4966 0.2276 0.4966

weight\_b:Parameter containing:

tensor([[0.0552],

[0.0936]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0075]], requires\_grad=True)

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

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

torch.Size([12772, 200])

5 1.0063 0.4966 0.2746 0.4966

weight\_b:Parameter containing:

tensor([[0.0582],

[0.0934]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0075]], requires\_grad=True)

test\_f1-ma: 0.3162 test\_f1-mi: 0.5374

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

torch.Size([12772, 200])

6 0.9901 0.5068 0.2654 0.5068

weight\_b:Parameter containing:

tensor([[0.0618],

[0.0946]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0075]], requires\_grad=True)

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

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

torch.Size([12772, 200])

7 0.9733 0.4966 0.2290 0.4966

weight\_b:Parameter containing:

tensor([[0.0659],

[0.0973]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0075]], requires\_grad=True)

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

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

torch.Size([12772, 200])

8 0.9499 0.5034 0.2431 0.5034

weight\_b:Parameter containing:

tensor([[0.0702],

[0.1007]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0075]], requires\_grad=True)

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

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

torch.Size([12772, 200])

9 0.9151 0.5238 0.3446 0.5238

weight\_b:Parameter containing:

tensor([[0.0745],

[0.1046]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0075]], requires\_grad=True)

test\_f1-ma: 0.3002 test\_f1-mi: 0.5238

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

torch.Size([12772, 200])

10 0.8819 0.5476 0.4326 0.5476

weight\_b:Parameter containing:

tensor([[0.0789],

[0.1088]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0075]], requires\_grad=True)

test\_f1-ma: 0.4982 test\_f1-mi: 0.5918

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

torch.Size([12772, 200])

11 0.8432 0.5476 0.4527 0.5476

weight\_b:Parameter containing:

tensor([[0.0835],

[0.1132]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0075]], requires\_grad=True)

test\_f1-ma: 0.5074 test\_f1-mi: 0.5986

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

torch.Size([12772, 200])

12 0.8063 0.5714 0.4813 0.5714

weight\_b:Parameter containing:

tensor([[0.0883],

[0.1174]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0075]], requires\_grad=True)

test\_f1-ma: 0.5229 test\_f1-mi: 0.6054

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

torch.Size([12772, 200])

13 0.7972 0.5850 0.5060 0.5850

weight\_b:Parameter containing:

tensor([[0.0932],

[0.1194]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0075]], requires\_grad=True)

test\_f1-ma: 0.5065 test\_f1-mi: 0.5850

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

torch.Size([12772, 200])

14 0.8273 0.5952 0.5307 0.5952

weight\_b:Parameter containing:

tensor([[0.0982],

[0.1188]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0075]], requires\_grad=True)

test\_f1-ma: 0.5793 test\_f1-mi: 0.6463

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

torch.Size([12772, 200])

15 0.7521 0.5986 0.5273 0.5986

weight\_b:Parameter containing:

tensor([[0.1032],

[0.1177]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0075]], requires\_grad=True)

test\_f1-ma: 0.5693 test\_f1-mi: 0.6259

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

torch.Size([12772, 200])

16 0.7461 0.6020 0.5327 0.6020

weight\_b:Parameter containing:

tensor([[0.1084],

[0.1163]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0075]], requires\_grad=True)

test\_f1-ma: 0.6053 test\_f1-mi: 0.6599

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

torch.Size([12772, 200])

17 0.7146 0.5918 0.5178 0.5918

weight\_b:Parameter containing:

tensor([[0.1137],

[0.1155]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0075]], requires\_grad=True)

test\_f1-ma: 0.5542 test\_f1-mi: 0.6259

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

torch.Size([12772, 200])

18 0.7200 0.5918 0.5305 0.5918

weight\_b:Parameter containing:

tensor([[0.1190],

[0.1152]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0075]], requires\_grad=True)

test\_f1-ma: 0.6080 test\_f1-mi: 0.6463

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

torch.Size([12772, 200])

19 0.6943 0.6293 0.5827 0.6293

weight\_b:Parameter containing:

tensor([[0.1245],

[0.1156]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0075]], requires\_grad=True)

test\_f1-ma: 0.6236 test\_f1-mi: 0.6599

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

torch.Size([12772, 200])

20 0.6747 0.6327 0.5727 0.6327

weight\_b:Parameter containing:

tensor([[0.1301],

[0.1165]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0075]], requires\_grad=True)

test\_f1-ma: 0.6170 test\_f1-mi: 0.6735

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

torch.Size([12772, 200])

21 0.6608 0.6259 0.5398 0.6259

weight\_b:Parameter containing:

tensor([[0.1357],

[0.1180]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0075]], requires\_grad=True)

test\_f1-ma: 0.6151 test\_f1-mi: 0.6735

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

torch.Size([12772, 200])

22 0.6274 0.6361 0.5735 0.6361

weight\_b:Parameter containing:

tensor([[0.1415],

[0.1201]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0075]], requires\_grad=True)

test\_f1-ma: 0.6274 test\_f1-mi: 0.6735

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

torch.Size([12772, 200])

23 0.6168 0.6463 0.6093 0.6463

weight\_b:Parameter containing:

tensor([[0.1471],

[0.1222]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0075]], requires\_grad=True)

test\_f1-ma: 0.6649 test\_f1-mi: 0.7007

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

torch.Size([12772, 200])

24 0.5779 0.6531 0.6135 0.6531

weight\_b:Parameter containing:

tensor([[0.1527],

[0.1243]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0075]], requires\_grad=True)

test\_f1-ma: 0.6772 test\_f1-mi: 0.7075

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

torch.Size([12772, 200])

25 0.6024 0.6531 0.5995 0.6531

weight\_b:Parameter containing:

tensor([[0.1581],

[0.1259]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0075]], requires\_grad=True)

test\_f1-ma: 0.6452 test\_f1-mi: 0.6939

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

torch.Size([12772, 200])

26 0.6618 0.6565 0.6238 0.6565

weight\_b:Parameter containing:

tensor([[0.1625],

[0.1253]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0075]], requires\_grad=True)

test\_f1-ma: 0.6511 test\_f1-mi: 0.6735

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

torch.Size([12772, 200])

27 0.6183 0.6395 0.6079 0.6395

weight\_b:Parameter containing:

tensor([[0.1660],

[0.1241]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0075]], requires\_grad=True)

test\_f1-ma: 0.6233 test\_f1-mi: 0.6599

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

torch.Size([12772, 200])

28 0.5568 0.6565 0.6095 0.6565

weight\_b:Parameter containing:

tensor([[0.1693],

[0.1230]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0075]], requires\_grad=True)

test\_f1-ma: 0.6560 test\_f1-mi: 0.6939

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

torch.Size([12772, 200])

29 0.5615 0.6939 0.6507 0.6939

weight\_b:Parameter containing:

tensor([[0.1727],

[0.1217]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0075]], requires\_grad=True)

test\_f1-ma: 0.6642 test\_f1-mi: 0.7007

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

torch.Size([12772, 200])

30 0.5392 0.7007 0.6695 0.7007

weight\_b:Parameter containing:

tensor([[0.1760],

[0.1205]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0075]], requires\_grad=True)

test\_f1-ma: 0.6653 test\_f1-mi: 0.7007

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

torch.Size([12772, 200])

31 0.5241 0.6497 0.6198 0.6497

weight\_b:Parameter containing:

tensor([[0.1795],

[0.1198]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0075]], requires\_grad=True)

test\_f1-ma: 0.6313 test\_f1-mi: 0.6735

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

torch.Size([12772, 200])

32 0.5279 0.6497 0.6040 0.6497

weight\_b:Parameter containing:

tensor([[0.1832],

[0.1197]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0075]], requires\_grad=True)

test\_f1-ma: 0.6330 test\_f1-mi: 0.6803

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

torch.Size([12772, 200])

33 0.5025 0.6667 0.6193 0.6667

weight\_b:Parameter containing:

tensor([[0.1872],

[0.1204]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0075]], requires\_grad=True)

test\_f1-ma: 0.6703 test\_f1-mi: 0.7143

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

torch.Size([12772, 200])

34 0.4927 0.6973 0.6584 0.6973

weight\_b:Parameter containing:

tensor([[0.1914],

[0.1216]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0075]], requires\_grad=True)

test\_f1-ma: 0.6665 test\_f1-mi: 0.7007

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

torch.Size([12772, 200])

35 0.4899 0.6939 0.6673 0.6939

weight\_b:Parameter containing:

tensor([[0.1955],

[0.1229]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0075]], requires\_grad=True)

test\_f1-ma: 0.6616 test\_f1-mi: 0.6803

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

torch.Size([12772, 200])

36 0.4520 0.6701 0.6353 0.6701

weight\_b:Parameter containing:

tensor([[0.1996],

[0.1246]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0075]], requires\_grad=True)

test\_f1-ma: 0.6676 test\_f1-mi: 0.6939

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

torch.Size([12772, 200])

37 0.4672 0.6565 0.6142 0.6565

weight\_b:Parameter containing:

tensor([[0.2036],

[0.1266]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0075]], requires\_grad=True)

test\_f1-ma: 0.6472 test\_f1-mi: 0.6871

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

torch.Size([12772, 200])

38 0.4217 0.7109 0.6869 0.7109

weight\_b:Parameter containing:

tensor([[0.2076],

[0.1286]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0075]], requires\_grad=True)

test\_f1-ma: 0.6560 test\_f1-mi: 0.6871

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

torch.Size([12772, 200])

39 0.4367 0.7075 0.6816 0.7075

weight\_b:Parameter containing:

tensor([[0.2110],

[0.1304]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0075]], requires\_grad=True)

test\_f1-ma: 0.6651 test\_f1-mi: 0.6939

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

torch.Size([12772, 200])

40 0.4067 0.6769 0.6436 0.6769

weight\_b:Parameter containing:

tensor([[0.2144],

[0.1323]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0075]], requires\_grad=True)

test\_f1-ma: 0.6466 test\_f1-mi: 0.6871

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

torch.Size([12772, 200])

41 0.4388 0.6803 0.6561 0.6803

weight\_b:Parameter containing:

tensor([[0.2176],

[0.1333]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0075]], requires\_grad=True)

test\_f1-ma: 0.6202 test\_f1-mi: 0.6463

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

torch.Size([12772, 200])

42 0.4754 0.6871 0.6385 0.6871

weight\_b:Parameter containing:

tensor([[0.2207],

[0.1334]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0075]], requires\_grad=True)

test\_f1-ma: 0.6559 test\_f1-mi: 0.7075

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

torch.Size([12772, 200])

43 0.4156 0.6939 0.6619 0.6939

weight\_b:Parameter containing:

tensor([[0.2237],

[0.1332]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0075]], requires\_grad=True)

test\_f1-ma: 0.6513 test\_f1-mi: 0.6871

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

torch.Size([12772, 200])

44 0.4530 0.6667 0.6466 0.6667

weight\_b:Parameter containing:

tensor([[0.2253],

[0.1326]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0075]], requires\_grad=True)

test\_f1-ma: 0.6523 test\_f1-mi: 0.6667

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

torch.Size([12772, 200])

45 0.3833 0.6871 0.6586 0.6871

weight\_b:Parameter containing:

tensor([[0.2265],

[0.1323]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0075]], requires\_grad=True)

test\_f1-ma: 0.6791 test\_f1-mi: 0.7007

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

torch.Size([12772, 200])

46 0.3944 0.6871 0.6577 0.6871

weight\_b:Parameter containing:

tensor([[0.2273],

[0.1322]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0075]], requires\_grad=True)

test\_f1-ma: 0.6083 test\_f1-mi: 0.6395

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

torch.Size([12772, 200])

47 0.3753 0.6667 0.6193 0.6667

weight\_b:Parameter containing:

tensor([[0.2285],

[0.1325]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0075]], requires\_grad=True)

test\_f1-ma: 0.6502 test\_f1-mi: 0.7007

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

torch.Size([12772, 200])

48 0.3943 0.6735 0.6439 0.6735

weight\_b:Parameter containing:

tensor([[0.2300],

[0.1326]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0075]], requires\_grad=True)

test\_f1-ma: 0.6252 test\_f1-mi: 0.6531

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

torch.Size([12772, 200])

49 0.3438 0.6803 0.6518 0.6803

weight\_b:Parameter containing:

tensor([[0.2319],

[0.1334]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0075]], requires\_grad=True)

test\_f1-ma: 0.6353 test\_f1-mi: 0.6735

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

torch.Size([12772, 200])

50 0.3309 0.6905 0.6688 0.6905

weight\_b:Parameter containing:

tensor([[0.2340],

[0.1346]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0075]], requires\_grad=True)

test\_f1-ma: 0.6682 test\_f1-mi: 0.6871

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

torch.Size([12772, 200])

51 0.3345 0.6905 0.6676 0.6905

weight\_b:Parameter containing:

tensor([[0.2366],

[0.1361]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0075]], requires\_grad=True)

test\_f1-ma: 0.6892 test\_f1-mi: 0.7075

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

torch.Size([12772, 200])

52 0.3344 0.6803 0.6619 0.6803

weight\_b:Parameter containing:

tensor([[0.2389],

[0.1379]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0075]], requires\_grad=True)

test\_f1-ma: 0.7059 test\_f1-mi: 0.7143

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

torch.Size([12772, 200])

53 0.3139 0.6905 0.6681 0.6905

weight\_b:Parameter containing:

tensor([[0.2416],

[0.1399]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0075]], requires\_grad=True)

test\_f1-ma: 0.7100 test\_f1-mi: 0.7279

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

torch.Size([12772, 200])

54 0.3370 0.7041 0.6879 0.7041

weight\_b:Parameter containing:

tensor([[0.2435],

[0.1417]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0075]], requires\_grad=True)

test\_f1-ma: 0.6813 test\_f1-mi: 0.6871

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

torch.Size([12772, 200])

55 0.4174 0.6633 0.6270 0.6633

weight\_b:Parameter containing:

tensor([[0.2454],

[0.1432]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0075]], requires\_grad=True)

test\_f1-ma: 0.6409 test\_f1-mi: 0.6803

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

torch.Size([12772, 200])

56 0.6274 0.6871 0.6826 0.6871

weight\_b:Parameter containing:

tensor([[0.2443],

[0.1421]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0075]], requires\_grad=True)

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

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

torch.Size([12772, 200])

57 0.3166 0.6905 0.6678 0.6905

weight\_b:Parameter containing:

tensor([[0.2435],

[0.1415]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0075]], requires\_grad=True)

test\_f1-ma: 0.6596 test\_f1-mi: 0.6871

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

torch.Size([12772, 200])

58 0.4499 0.6803 0.6505 0.6803

weight\_b:Parameter containing:

tensor([[0.2432],

[0.1407]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0075]], requires\_grad=True)

test\_f1-ma: 0.6016 test\_f1-mi: 0.6531

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

torch.Size([12772, 200])

59 0.3407 0.7313 0.7179 0.7313

weight\_b:Parameter containing:

tensor([[0.2427],

[0.1402]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0075]], requires\_grad=True)

test\_f1-ma: 0.7184 test\_f1-mi: 0.7279

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

torch.Size([12772, 200])

60 0.4243 0.7211 0.7141 0.7211

weight\_b:Parameter containing:

tensor([[0.2414],

[0.1394]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0075]], requires\_grad=True)

test\_f1-ma: 0.6798 test\_f1-mi: 0.6803

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

torch.Size([12772, 200])

61 0.3417 0.7143 0.7029 0.7143

weight\_b:Parameter containing:

tensor([[0.2405],

[0.1389]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0075]], requires\_grad=True)

test\_f1-ma: 0.7281 test\_f1-mi: 0.7415

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

torch.Size([12772, 200])

62 0.3553 0.6905 0.6646 0.6905

weight\_b:Parameter containing:

tensor([[0.2405],

[0.1390]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0075]], requires\_grad=True)

test\_f1-ma: 0.6676 test\_f1-mi: 0.6939

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

torch.Size([12772, 200])

63 0.3896 0.6769 0.6387 0.6769

weight\_b:Parameter containing:

tensor([[0.2413],

[0.1395]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0075]], requires\_grad=True)

test\_f1-ma: 0.6458 test\_f1-mi: 0.6803

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

torch.Size([12772, 200])

64 0.3118 0.7211 0.7049 0.7211

weight\_b:Parameter containing:

tensor([[0.2426],

[0.1404]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0075]], requires\_grad=True)

test\_f1-ma: 0.7506 test\_f1-mi: 0.7619

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

torch.Size([12772, 200])

65 0.3560 0.7245 0.7107 0.7245

weight\_b:Parameter containing:

tensor([[0.2439],

[0.1413]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0075]], requires\_grad=True)

test\_f1-ma: 0.6874 test\_f1-mi: 0.6939

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

torch.Size([12772, 200])

66 0.3687 0.6973 0.6848 0.6973

weight\_b:Parameter containing:

tensor([[0.2450],

[0.1421]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0075]], requires\_grad=True)

test\_f1-ma: 0.6962 test\_f1-mi: 0.7007

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

torch.Size([12772, 200])

67 0.2916 0.7177 0.6974 0.7177

weight\_b:Parameter containing:

tensor([[0.2465],

[0.1433]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0075]], requires\_grad=True)

test\_f1-ma: 0.7469 test\_f1-mi: 0.7551

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

torch.Size([12772, 200])

68 0.3549 0.7109 0.6861 0.7109

weight\_b:Parameter containing:

tensor([[0.2482],

[0.1446]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0075]], requires\_grad=True)

test\_f1-ma: 0.6925 test\_f1-mi: 0.7075

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

torch.Size([12772, 200])

69 0.2770 0.7211 0.6963 0.7211

weight\_b:Parameter containing:

tensor([[0.2504],

[0.1462]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0075]], requires\_grad=True)

test\_f1-ma: 0.7496 test\_f1-mi: 0.7619

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

torch.Size([12772, 200])

70 0.3151 0.7245 0.7137 0.7245

weight\_b:Parameter containing:

tensor([[0.2525],

[0.1475]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0075]], requires\_grad=True)

test\_f1-ma: 0.7290 test\_f1-mi: 0.7279

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

torch.Size([12772, 200])

71 0.3582 0.7177 0.7048 0.7177

weight\_b:Parameter containing:

tensor([[0.2544],

[0.1480]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0075]], requires\_grad=True)

test\_f1-ma: 0.7127 test\_f1-mi: 0.7211

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

torch.Size([12772, 200])

72 0.3230 0.6973 0.6657 0.6973

weight\_b:Parameter containing:

tensor([[0.2570],

[0.1480]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0075]], requires\_grad=True)

test\_f1-ma: 0.7133 test\_f1-mi: 0.7347

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

torch.Size([12772, 200])

73 0.3027 0.7177 0.6921 0.7177

weight\_b:Parameter containing:

tensor([[0.2600],

[0.1482]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0075]], requires\_grad=True)

test\_f1-ma: 0.7116 test\_f1-mi: 0.7347

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

torch.Size([12772, 200])

74 0.2863 0.7211 0.7068 0.7211

weight\_b:Parameter containing:

tensor([[0.2624],

[0.1484]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0075]], requires\_grad=True)

test\_f1-ma: 0.7245 test\_f1-mi: 0.7347

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

torch.Size([12772, 200])

75 0.2848 0.7347 0.7267 0.7347

weight\_b:Parameter containing:

tensor([[0.2638],

[0.1487]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0075]], requires\_grad=True)

test\_f1-ma: 0.7011 test\_f1-mi: 0.7007

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

torch.Size([12772, 200])

76 0.2512 0.7143 0.6932 0.7143

weight\_b:Parameter containing:

tensor([[0.2648],

[0.1494]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0075]], requires\_grad=True)

test\_f1-ma: 0.7004 test\_f1-mi: 0.7075

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

torch.Size([12772, 200])

77 0.2948 0.7245 0.6997 0.7245

weight\_b:Parameter containing:

tensor([[0.2658],

[0.1504]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0075]], requires\_grad=True)

test\_f1-ma: 0.6728 test\_f1-mi: 0.7007

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

torch.Size([12772, 200])

78 0.2231 0.7177 0.7013 0.7177

weight\_b:Parameter containing:

tensor([[0.2667],

[0.1516]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0075]], requires\_grad=True)

test\_f1-ma: 0.7347 test\_f1-mi: 0.7415

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

torch.Size([12772, 200])

79 0.2835 0.7177 0.7093 0.7177

weight\_b:Parameter containing:

tensor([[0.2670],

[0.1524]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0075]], requires\_grad=True)

test\_f1-ma: 0.7314 test\_f1-mi: 0.7279

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

torch.Size([12772, 200])

80 0.2463 0.7211 0.7075 0.7211

weight\_b:Parameter containing:

tensor([[0.2675],

[0.1534]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0075]], requires\_grad=True)

test\_f1-ma: 0.7148 test\_f1-mi: 0.7279

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

torch.Size([12772, 200])

81 0.2867 0.7007 0.6721 0.7007

weight\_b:Parameter containing:

tensor([[0.2684],

[0.1544]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0075]], requires\_grad=True)

test\_f1-ma: 0.7220 test\_f1-mi: 0.7415

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

torch.Size([12772, 200])

82 0.2272 0.7279 0.7141 0.7279

weight\_b:Parameter containing:

tensor([[0.2692],

[0.1555]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0075]], requires\_grad=True)

test\_f1-ma: 0.7110 test\_f1-mi: 0.7075

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

torch.Size([12772, 200])

83 0.2808 0.7177 0.7065 0.7177

weight\_b:Parameter containing:

tensor([[0.2695],

[0.1563]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0075]], requires\_grad=True)

test\_f1-ma: 0.6965 test\_f1-mi: 0.7007

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

torch.Size([12772, 200])

84 0.2459 0.7075 0.6809 0.7075

weight\_b:Parameter containing:

tensor([[0.2703],

[0.1572]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0075]], requires\_grad=True)

test\_f1-ma: 0.7005 test\_f1-mi: 0.7211

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

torch.Size([12772, 200])

85 0.2360 0.7211 0.7021 0.7211

weight\_b:Parameter containing:

tensor([[0.2714],

[0.1582]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0075]], requires\_grad=True)

test\_f1-ma: 0.7103 test\_f1-mi: 0.7279

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

torch.Size([12772, 200])

86 0.2289 0.7415 0.7329 0.7415

weight\_b:Parameter containing:

tensor([[0.2722],

[0.1593]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0075]], requires\_grad=True)

test\_f1-ma: 0.7307 test\_f1-mi: 0.7347

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

torch.Size([12772, 200])

87 0.2197 0.7449 0.7397 0.7449

weight\_b:Parameter containing:

tensor([[0.2727],

[0.1603]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0075]], requires\_grad=True)

test\_f1-ma: 0.7533 test\_f1-mi: 0.7551

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

torch.Size([12772, 200])

88 0.2135 0.7381 0.7248 0.7381

weight\_b:Parameter containing:

tensor([[0.2736],

[0.1616]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0075]], requires\_grad=True)

test\_f1-ma: 0.7270 test\_f1-mi: 0.7347

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

torch.Size([12772, 200])

89 0.1992 0.7211 0.7036 0.7211

weight\_b:Parameter containing:

tensor([[0.2749],

[0.1630]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0075]], requires\_grad=True)

test\_f1-ma: 0.7381 test\_f1-mi: 0.7483

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

torch.Size([12772, 200])

90 0.1977 0.7517 0.7459 0.7517

weight\_b:Parameter containing:

tensor([[0.2761],

[0.1643]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0075]], requires\_grad=True)

test\_f1-ma: 0.7413 test\_f1-mi: 0.7415

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

torch.Size([12772, 200])

91 0.1789 0.7381 0.7284 0.7381

weight\_b:Parameter containing:

tensor([[0.2776],

[0.1657]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0075]], requires\_grad=True)

test\_f1-ma: 0.7480 test\_f1-mi: 0.7551

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

torch.Size([12772, 200])

92 0.1958 0.7279 0.7068 0.7279

weight\_b:Parameter containing:

tensor([[0.2796],

[0.1670]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0075]], requires\_grad=True)

test\_f1-ma: 0.7610 test\_f1-mi: 0.7687

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

torch.Size([12772, 200])

93 0.1629 0.7483 0.7416 0.7483

weight\_b:Parameter containing:

tensor([[0.2814],

[0.1687]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0075]], requires\_grad=True)

test\_f1-ma: 0.7366 test\_f1-mi: 0.7415

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

torch.Size([12772, 200])

94 0.1860 0.7517 0.7450 0.7517

weight\_b:Parameter containing:

tensor([[0.2826],

[0.1702]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0075]], requires\_grad=True)

test\_f1-ma: 0.7349 test\_f1-mi: 0.7347

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

torch.Size([12772, 200])

95 0.1702 0.7415 0.7256 0.7415

weight\_b:Parameter containing:

tensor([[0.2842],

[0.1718]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0075]], requires\_grad=True)

test\_f1-ma: 0.7408 test\_f1-mi: 0.7483

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

torch.Size([12772, 200])

96 0.1974 0.7483 0.7350 0.7483

weight\_b:Parameter containing:

tensor([[0.2857],

[0.1730]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0075]], requires\_grad=True)

test\_f1-ma: 0.7290 test\_f1-mi: 0.7279

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

torch.Size([12772, 200])

97 1.0185 0.6633 0.6352 0.6633

weight\_b:Parameter containing:

tensor([[0.2865],

[0.1700]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0075]], requires\_grad=True)

test\_f1-ma: 0.5853 test\_f1-mi: 0.6122

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

torch.Size([12772, 200])

98 2.5455 0.6156 0.5487 0.6156

weight\_b:Parameter containing:

tensor([[0.2830],

[0.1645]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0075]], requires\_grad=True)

test\_f1-ma: 0.5341 test\_f1-mi: 0.5714

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

torch.Size([12772, 200])

99 2.6755 0.5816 0.4553 0.5816

weight\_b:Parameter containing:

tensor([[0.2779],

[0.1575]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0075]], requires\_grad=True)

test\_f1-ma: 0.5104 test\_f1-mi: 0.6054

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

torch.Size([12772, 200])

100 0.3727 0.6939 0.6632 0.6939

weight\_b:Parameter containing:

tensor([[0.2730],

[0.1512]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0075]], requires\_grad=True)

test\_f1-ma: 0.6754 test\_f1-mi: 0.6939

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

time: 796.3650465012

[Classification] Macro-F1: 0.7413 (0.0000) | Micro-F1: 0.7415 (0.0000)

[0.7413076871702398, 0.7414965986394558]

Test F1-ma: 0.7413076872, F1-mi: 0.7414965986

Process finished with exit code 0