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

DBLP node number: 26128

torch.Size([26128, 200])

1 1.3845 0.2575 0.1024 0.2575

weight\_b:Parameter containing:

tensor([[0.0542],

[0.0080],

[0.0108]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0073]], requires\_grad=True)

test\_f1-ma: 0.1073 test\_f1-mi: 0.2725

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

torch.Size([26128, 200])

2 1.3663 0.3125 0.1805 0.3125

weight\_b:Parameter containing:

tensor([[0.0581],

[0.0112],

[0.0152]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0112]], requires\_grad=True)

test\_f1-ma: 0.1796 test\_f1-mi: 0.3250

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

torch.Size([26128, 200])

3 1.3484 0.4200 0.2726 0.4200

weight\_b:Parameter containing:

tensor([[0.0624],

[0.0146],

[0.0198]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0155]], requires\_grad=True)

test\_f1-ma: 0.2837 test\_f1-mi: 0.4425

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

torch.Size([26128, 200])

4 1.3288 0.5000 0.3219 0.5000

weight\_b:Parameter containing:

tensor([[0.0668],

[0.0180],

[0.0245]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0200]], requires\_grad=True)

test\_f1-ma: 0.3407 test\_f1-mi: 0.5425

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

torch.Size([26128, 200])

5 1.3061 0.4925 0.3439 0.4925

weight\_b:Parameter containing:

tensor([[0.0714],

[0.0217],

[0.0293]], requires\_grad=True)

weight\_a:Parameter containing:

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

test\_f1-ma: 0.3540 test\_f1-mi: 0.5325

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

torch.Size([26128, 200])

6 1.2792 0.4975 0.3695 0.4975

weight\_b:Parameter containing:

tensor([[0.0761],

[0.0253],

[0.0341]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0244]], requires\_grad=True)

test\_f1-ma: 0.3686 test\_f1-mi: 0.5250

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

torch.Size([26128, 200])

7 1.2475 0.5375 0.4212 0.5375

weight\_b:Parameter containing:

tensor([[0.0809],

[0.0292],

[0.0390]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0237]], requires\_grad=True)

test\_f1-ma: 0.4348 test\_f1-mi: 0.5700

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

torch.Size([26128, 200])

8 1.2106 0.5925 0.4943 0.5925

weight\_b:Parameter containing:

tensor([[0.0857],

[0.0334],

[0.0436]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0220]], requires\_grad=True)

test\_f1-ma: 0.5101 test\_f1-mi: 0.6275

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

torch.Size([26128, 200])

9 1.1690 0.6675 0.5822 0.6675

weight\_b:Parameter containing:

tensor([[0.0906],

[0.0379],

[0.0468]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0196]], requires\_grad=True)

test\_f1-ma: 0.6035 test\_f1-mi: 0.7000

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

torch.Size([26128, 200])

10 1.1235 0.7650 0.6976 0.7650

weight\_b:Parameter containing:

tensor([[0.0956],

[0.0425],

[0.0478]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0170]], requires\_grad=True)

test\_f1-ma: 0.6671 test\_f1-mi: 0.7600

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

torch.Size([26128, 200])

11 1.0746 0.8000 0.7493 0.8000

weight\_b:Parameter containing:

tensor([[0.1007],

[0.0473],

[0.0468]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0145]], requires\_grad=True)

test\_f1-ma: 0.7009 test\_f1-mi: 0.7825

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

torch.Size([26128, 200])

12 1.0229 0.8275 0.7777 0.8275

weight\_b:Parameter containing:

tensor([[0.1059],

[0.0523],

[0.0445]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0122]], requires\_grad=True)

test\_f1-ma: 0.7234 test\_f1-mi: 0.7925

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

torch.Size([26128, 200])

13 0.9691 0.8325 0.7870 0.8325

weight\_b:Parameter containing:

tensor([[0.1112],

[0.0572],

[0.0413]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0104]], requires\_grad=True)

test\_f1-ma: 0.7438 test\_f1-mi: 0.8050

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

torch.Size([26128, 200])

14 0.9143 0.8375 0.8002 0.8375

weight\_b:Parameter containing:

tensor([[0.1165],

[0.0620],

[0.0376]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0092]], requires\_grad=True)

test\_f1-ma: 0.7541 test\_f1-mi: 0.8100

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

torch.Size([26128, 200])

15 0.8593 0.8525 0.8249 0.8525

weight\_b:Parameter containing:

tensor([[0.1219],

[0.0667],

[0.0335]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0084]], requires\_grad=True)

test\_f1-ma: 0.7742 test\_f1-mi: 0.8150

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

torch.Size([26128, 200])

16 0.8051 0.8700 0.8484 0.8700

weight\_b:Parameter containing:

tensor([[0.1273],

[0.0711],

[0.0290]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0082]], requires\_grad=True)

test\_f1-ma: 0.7950 test\_f1-mi: 0.8250

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

torch.Size([26128, 200])

17 0.7521 0.8775 0.8596 0.8775

weight\_b:Parameter containing:

tensor([[0.1327],

[0.0753],

[0.0242]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0083]], requires\_grad=True)

test\_f1-ma: 0.8262 test\_f1-mi: 0.8450

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

torch.Size([26128, 200])

18 0.7009 0.8850 0.8712 0.8850

weight\_b:Parameter containing:

tensor([[0.1382],

[0.0792],

[0.0192]], requires\_grad=True)

weight\_a:Parameter containing:

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

test\_f1-ma: 0.8457 test\_f1-mi: 0.8600

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

torch.Size([26128, 200])

19 0.6518 0.8850 0.8706 0.8850

weight\_b:Parameter containing:

tensor([[0.1437],

[0.0830],

[0.0140]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0095]], requires\_grad=True)

test\_f1-ma: 0.8380 test\_f1-mi: 0.8525

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

torch.Size([26128, 200])

20 0.6052 0.8975 0.8853 0.8975

weight\_b:Parameter containing:

tensor([[0.1492],

[0.0866],

[0.0087]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0103]], requires\_grad=True)

test\_f1-ma: 0.8398 test\_f1-mi: 0.8550

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

torch.Size([26128, 200])

21 0.5612 0.9000 0.8875 0.9000

weight\_b:Parameter containing:

tensor([[0.1547],

[0.0902],

[0.0032]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0112]], requires\_grad=True)

test\_f1-ma: 0.8412 test\_f1-mi: 0.8550

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

torch.Size([26128, 200])

22 0.5201 0.8975 0.8858 0.8975

weight\_b:Parameter containing:

tensor([[ 0.1601],

[ 0.0937],

[-0.0024]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0120]], requires\_grad=True)

test\_f1-ma: 0.8487 test\_f1-mi: 0.8600

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

torch.Size([26128, 200])

23 0.4819 0.8950 0.8835 0.8950

weight\_b:Parameter containing:

tensor([[ 0.1655],

[ 0.0972],

[-0.0075]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0129]], requires\_grad=True)

test\_f1-ma: 0.8539 test\_f1-mi: 0.8650

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

torch.Size([26128, 200])

24 0.4466 0.8950 0.8846 0.8950

weight\_b:Parameter containing:

tensor([[ 0.1709],

[ 0.1008],

[-0.0122]], requires\_grad=True)

weight\_a:Parameter containing:

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

test\_f1-ma: 0.8503 test\_f1-mi: 0.8600

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

torch.Size([26128, 200])

25 0.4142 0.8925 0.8832 0.8925

weight\_b:Parameter containing:

tensor([[ 0.1761],

[ 0.1044],

[-0.0165]], requires\_grad=True)

weight\_a:Parameter containing:

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

test\_f1-ma: 0.8503 test\_f1-mi: 0.8600

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

torch.Size([26128, 200])

26 0.3846 0.8900 0.8811 0.8900

weight\_b:Parameter containing:

tensor([[ 0.1813],

[ 0.1080],

[-0.0204]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0162]], requires\_grad=True)

test\_f1-ma: 0.8520 test\_f1-mi: 0.8625

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

torch.Size([26128, 200])

27 0.3576 0.8900 0.8816 0.8900

weight\_b:Parameter containing:

tensor([[ 0.1864],

[ 0.1119],

[-0.0240]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0179]], requires\_grad=True)

test\_f1-ma: 0.8521 test\_f1-mi: 0.8625

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

torch.Size([26128, 200])

28 0.3330 0.8850 0.8765 0.8850

weight\_b:Parameter containing:

tensor([[ 0.1914],

[ 0.1160],

[-0.0272]], requires\_grad=True)

weight\_a:Parameter containing:

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

test\_f1-ma: 0.8516 test\_f1-mi: 0.8625

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

torch.Size([26128, 200])

29 0.3108 0.8800 0.8719 0.8800

weight\_b:Parameter containing:

tensor([[ 0.1963],

[ 0.1205],

[-0.0302]], requires\_grad=True)

weight\_a:Parameter containing:

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

test\_f1-ma: 0.8536 test\_f1-mi: 0.8650

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

torch.Size([26128, 200])

30 0.2906 0.8775 0.8700 0.8775

weight\_b:Parameter containing:

tensor([[ 0.2011],

[ 0.1253],

[-0.0330]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0248]], requires\_grad=True)

test\_f1-ma: 0.8538 test\_f1-mi: 0.8650

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

torch.Size([26128, 200])

31 0.2723 0.8775 0.8704 0.8775

weight\_b:Parameter containing:

tensor([[ 0.2058],

[ 0.1305],

[-0.0355]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0277]], requires\_grad=True)

test\_f1-ma: 0.8470 test\_f1-mi: 0.8600

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

torch.Size([26128, 200])

32 0.2558 0.8750 0.8676 0.8750

weight\_b:Parameter containing:

tensor([[ 0.2103],

[ 0.1360],

[-0.0378]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0309]], requires\_grad=True)

test\_f1-ma: 0.8470 test\_f1-mi: 0.8600

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

torch.Size([26128, 200])

33 0.2409 0.8725 0.8654 0.8725

weight\_b:Parameter containing:

tensor([[ 0.2148],

[ 0.1417],

[-0.0399]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0344]], requires\_grad=True)

test\_f1-ma: 0.8435 test\_f1-mi: 0.8550

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

torch.Size([26128, 200])

34 0.2275 0.8750 0.8684 0.8750

weight\_b:Parameter containing:

tensor([[ 0.2191],

[ 0.1478],

[-0.0418]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0382]], requires\_grad=True)

test\_f1-ma: 0.8407 test\_f1-mi: 0.8525

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

torch.Size([26128, 200])

35 0.2154 0.8725 0.8664 0.8725

weight\_b:Parameter containing:

tensor([[ 0.2233],

[ 0.1539],

[-0.0436]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0424]], requires\_grad=True)

test\_f1-ma: 0.8407 test\_f1-mi: 0.8525

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

torch.Size([26128, 200])

36 0.2045 0.8725 0.8659 0.8725

weight\_b:Parameter containing:

tensor([[ 0.2274],

[ 0.1601],

[-0.0453]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0470]], requires\_grad=True)

test\_f1-ma: 0.8407 test\_f1-mi: 0.8525

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

torch.Size([26128, 200])

37 0.1947 0.8700 0.8635 0.8700

weight\_b:Parameter containing:

tensor([[ 0.2314],

[ 0.1665],

[-0.0469]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0519]], requires\_grad=True)

test\_f1-ma: 0.8408 test\_f1-mi: 0.8525

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

torch.Size([26128, 200])

38 0.1856 0.8700 0.8635 0.8700

weight\_b:Parameter containing:

tensor([[ 0.2353],

[ 0.1728],

[-0.0484]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0574]], requires\_grad=True)

test\_f1-ma: 0.8408 test\_f1-mi: 0.8525

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

torch.Size([26128, 200])

39 0.1773 0.8675 0.8610 0.8675

weight\_b:Parameter containing:

tensor([[ 0.2390],

[ 0.1791],

[-0.0499]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0632]], requires\_grad=True)

test\_f1-ma: 0.8408 test\_f1-mi: 0.8525

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

torch.Size([26128, 200])

40 0.1695 0.8625 0.8564 0.8625

weight\_b:Parameter containing:

tensor([[ 0.2427],

[ 0.1855],

[-0.0514]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0693]], requires\_grad=True)

test\_f1-ma: 0.8391 test\_f1-mi: 0.8500

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

torch.Size([26128, 200])

41 0.1623 0.8625 0.8565 0.8625

weight\_b:Parameter containing:

tensor([[ 0.2463],

[ 0.1912],

[-0.0530]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0755]], requires\_grad=True)

test\_f1-ma: 0.8321 test\_f1-mi: 0.8425

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

torch.Size([26128, 200])

42 0.1566 0.8625 0.8555 0.8625

weight\_b:Parameter containing:

tensor([[ 0.2498],

[ 0.1904],

[-0.0548]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0768]], requires\_grad=True)

test\_f1-ma: 0.8293 test\_f1-mi: 0.8400

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

torch.Size([26128, 200])

43 0.1526 0.8625 0.8570 0.8625

weight\_b:Parameter containing:

tensor([[ 0.2532],

[ 0.1929],

[-0.0569]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0802]], requires\_grad=True)

test\_f1-ma: 0.8319 test\_f1-mi: 0.8425

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

torch.Size([26128, 200])

44 0.1446 0.8575 0.8513 0.8575

weight\_b:Parameter containing:

tensor([[ 0.2565],

[ 0.1955],

[-0.0594]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0837]], requires\_grad=True)

test\_f1-ma: 0.8359 test\_f1-mi: 0.8475

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

torch.Size([26128, 200])

45 0.1430 0.8600 0.8535 0.8600

weight\_b:Parameter containing:

tensor([[ 0.2597],

[ 0.1943],

[-0.0623]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0834]], requires\_grad=True)

test\_f1-ma: 0.8415 test\_f1-mi: 0.8525

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

torch.Size([26128, 200])

46 0.1358 0.8575 0.8514 0.8575

weight\_b:Parameter containing:

tensor([[ 0.2628],

[ 0.1946],

[-0.0657]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0844]], requires\_grad=True)

test\_f1-ma: 0.8342 test\_f1-mi: 0.8450

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

torch.Size([26128, 200])

47 0.1340 0.8625 0.8565 0.8625

weight\_b:Parameter containing:

tensor([[ 0.2658],

[ 0.1966],

[-0.0697]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0869]], requires\_grad=True)

test\_f1-ma: 0.8362 test\_f1-mi: 0.8475

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

torch.Size([26128, 200])

48 0.1265 0.8650 0.8591 0.8650

weight\_b:Parameter containing:

tensor([[ 0.2688],

[ 0.1991],

[-0.0742]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0898]], requires\_grad=True)

test\_f1-ma: 0.8374 test\_f1-mi: 0.8475

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

torch.Size([26128, 200])

49 0.1252 0.8650 0.8587 0.8650

weight\_b:Parameter containing:

tensor([[ 0.2717],

[ 0.1996],

[-0.0791]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0910]], requires\_grad=True)

test\_f1-ma: 0.8394 test\_f1-mi: 0.8500

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

torch.Size([26128, 200])

50 0.1192 0.8650 0.8587 0.8650

weight\_b:Parameter containing:

tensor([[ 0.2745],

[ 0.1997],

[-0.0846]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0921]], requires\_grad=True)

test\_f1-ma: 0.8430 test\_f1-mi: 0.8525

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

torch.Size([26128, 200])

51 0.1158 0.8600 0.8539 0.8600

weight\_b:Parameter containing:

tensor([[ 0.2773],

[ 0.2011],

[-0.0906]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0942]], requires\_grad=True)

test\_f1-ma: 0.8362 test\_f1-mi: 0.8475

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

torch.Size([26128, 200])

52 0.1130 0.8625 0.8562 0.8625

weight\_b:Parameter containing:

tensor([[ 0.2800],

[ 0.2036],

[-0.0971]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.0973]], requires\_grad=True)

test\_f1-ma: 0.8392 test\_f1-mi: 0.8500

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

torch.Size([26128, 200])

53 0.1085 0.8600 0.8539 0.8600

weight\_b:Parameter containing:

tensor([[ 0.2826],

[ 0.2057],

[-0.1039]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.1003]], requires\_grad=True)

test\_f1-ma: 0.8421 test\_f1-mi: 0.8525

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

torch.Size([26128, 200])

54 0.1072 0.8600 0.8539 0.8600

weight\_b:Parameter containing:

tensor([[ 0.2852],

[ 0.2051],

[-0.1110]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.1013]], requires\_grad=True)

test\_f1-ma: 0.8386 test\_f1-mi: 0.8500

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

torch.Size([26128, 200])

55 0.1058 0.8600 0.8547 0.8600

weight\_b:Parameter containing:

tensor([[ 0.2877],

[ 0.2066],

[-0.1185]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.1042]], requires\_grad=True)

test\_f1-ma: 0.8323 test\_f1-mi: 0.8425

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

torch.Size([26128, 200])

56 0.1010 0.8625 0.8571 0.8625

weight\_b:Parameter containing:

tensor([[ 0.2902],

[ 0.2085],

[-0.1262]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.1077]], requires\_grad=True)

test\_f1-ma: 0.8483 test\_f1-mi: 0.8575

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

torch.Size([26128, 200])

57 0.1023 0.8650 0.8593 0.8650

weight\_b:Parameter containing:

tensor([[ 0.2926],

[ 0.2075],

[-0.1341]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.1084]], requires\_grad=True)

test\_f1-ma: 0.8427 test\_f1-mi: 0.8525

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

torch.Size([26128, 200])

58 0.0969 0.8650 0.8610 0.8650

weight\_b:Parameter containing:

tensor([[ 0.2950],

[ 0.2077],

[-0.1422]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.1102]], requires\_grad=True)

test\_f1-ma: 0.8330 test\_f1-mi: 0.8425

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

torch.Size([26128, 200])

59 0.0960 0.8700 0.8662 0.8700

weight\_b:Parameter containing:

tensor([[ 0.2973],

[ 0.2094],

[-0.1504]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.1132]], requires\_grad=True)

test\_f1-ma: 0.8336 test\_f1-mi: 0.8425

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

torch.Size([26128, 200])

60 0.0889 0.8625 0.8574 0.8625

weight\_b:Parameter containing:

tensor([[ 0.2996],

[ 0.2109],

[-0.1589]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.1162]], requires\_grad=True)

test\_f1-ma: 0.8438 test\_f1-mi: 0.8525

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

torch.Size([26128, 200])

61 0.0911 0.8675 0.8623 0.8675

weight\_b:Parameter containing:

tensor([[ 0.3018],

[ 0.2104],

[-0.1674]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.1175]], requires\_grad=True)

test\_f1-ma: 0.8396 test\_f1-mi: 0.8500

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

torch.Size([26128, 200])

62 0.0834 0.8625 0.8564 0.8625

weight\_b:Parameter containing:

tensor([[ 0.3040],

[ 0.2100],

[-0.1761]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.1190]], requires\_grad=True)

test\_f1-ma: 0.8407 test\_f1-mi: 0.8500

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

torch.Size([26128, 200])

63 0.0847 0.8750 0.8709 0.8750

weight\_b:Parameter containing:

tensor([[ 0.3061],

[ 0.2109],

[-0.1848]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.1217]], requires\_grad=True)

test\_f1-ma: 0.8389 test\_f1-mi: 0.8475

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

torch.Size([26128, 200])

64 0.0816 0.8625 0.8568 0.8625

weight\_b:Parameter containing:

tensor([[ 0.3082],

[ 0.2128],

[-0.1937]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.1251]], requires\_grad=True)

test\_f1-ma: 0.8497 test\_f1-mi: 0.8575

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

torch.Size([26128, 200])

65 0.0825 0.8725 0.8669 0.8725

weight\_b:Parameter containing:

tensor([[ 0.3103],

[ 0.2122],

[-0.2027]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.1268]], requires\_grad=True)

test\_f1-ma: 0.8390 test\_f1-mi: 0.8475

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

torch.Size([26128, 200])

66 0.0727 0.8675 0.8617 0.8675

weight\_b:Parameter containing:

tensor([[ 0.3123],

[ 0.2115],

[-0.2117]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.1285]], requires\_grad=True)

test\_f1-ma: 0.8456 test\_f1-mi: 0.8550

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

torch.Size([26128, 200])

67 0.0748 0.8700 0.8650 0.8700

weight\_b:Parameter containing:

tensor([[ 0.3143],

[ 0.2119],

[-0.2208]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.1311]], requires\_grad=True)

test\_f1-ma: 0.8534 test\_f1-mi: 0.8625

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

torch.Size([26128, 200])

68 0.0699 0.8700 0.8652 0.8700

weight\_b:Parameter containing:

tensor([[ 0.3162],

[ 0.2130],

[-0.2301]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.1344]], requires\_grad=True)

test\_f1-ma: 0.8538 test\_f1-mi: 0.8625

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

torch.Size([26128, 200])

69 0.0668 0.8650 0.8591 0.8650

weight\_b:Parameter containing:

tensor([[ 0.3181],

[ 0.2136],

[-0.2393]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.1374]], requires\_grad=True)

test\_f1-ma: 0.8381 test\_f1-mi: 0.8475

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

torch.Size([26128, 200])

70 0.0671 0.8675 0.8613 0.8675

weight\_b:Parameter containing:

tensor([[ 0.3200],

[ 0.2132],

[-0.2486]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.1402]], requires\_grad=True)

test\_f1-ma: 0.8434 test\_f1-mi: 0.8525

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

torch.Size([26128, 200])

71 0.0628 0.8775 0.8732 0.8775

weight\_b:Parameter containing:

tensor([[ 0.3218],

[ 0.2131],

[-0.2580]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.1433]], requires\_grad=True)

test\_f1-ma: 0.8621 test\_f1-mi: 0.8700

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

torch.Size([26128, 200])

72 0.0639 0.8750 0.8710 0.8750

weight\_b:Parameter containing:

tensor([[ 0.3236],

[ 0.2135],

[-0.2674]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.1469]], requires\_grad=True)

test\_f1-ma: 0.8674 test\_f1-mi: 0.8750

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

torch.Size([26128, 200])

73 0.0566 0.8800 0.8747 0.8800

weight\_b:Parameter containing:

tensor([[ 0.3254],

[ 0.2140],

[-0.2769]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.1508]], requires\_grad=True)

test\_f1-ma: 0.8582 test\_f1-mi: 0.8675

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

torch.Size([26128, 200])

74 0.0604 0.8750 0.8700 0.8750

weight\_b:Parameter containing:

tensor([[ 0.3271],

[ 0.2128],

[-0.2865]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.1536]], requires\_grad=True)

test\_f1-ma: 0.8550 test\_f1-mi: 0.8650

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

torch.Size([26128, 200])

75 0.0525 0.8900 0.8857 0.8900

weight\_b:Parameter containing:

tensor([[ 0.3288],

[ 0.2125],

[-0.2960]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.1571]], requires\_grad=True)

test\_f1-ma: 0.8673 test\_f1-mi: 0.8750

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

torch.Size([26128, 200])

76 0.0568 0.8875 0.8832 0.8875

weight\_b:Parameter containing:

tensor([[ 0.3305],

[ 0.2129],

[-0.3057]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.1614]], requires\_grad=True)

test\_f1-ma: 0.8819 test\_f1-mi: 0.8900

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

torch.Size([26128, 200])

77 0.0581 0.8925 0.8870 0.8925

weight\_b:Parameter containing:

tensor([[ 0.3321],

[ 0.2122],

[-0.3153]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.1648]], requires\_grad=True)

test\_f1-ma: 0.8717 test\_f1-mi: 0.8800

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

torch.Size([26128, 200])

78 0.0768 0.8875 0.8833 0.8875

weight\_b:Parameter containing:

tensor([[ 0.3336],

[ 0.2088],

[-0.3249]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.1660]], requires\_grad=True)

test\_f1-ma: 0.8716 test\_f1-mi: 0.8775

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

torch.Size([26128, 200])

79 0.0747 0.9000 0.8963 0.9000

weight\_b:Parameter containing:

tensor([[ 0.3351],

[ 0.2082],

[-0.3347]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.1688]], requires\_grad=True)

test\_f1-ma: 0.8636 test\_f1-mi: 0.8775

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

torch.Size([26128, 200])

80 0.0611 0.9000 0.8953 0.9000

weight\_b:Parameter containing:

tensor([[ 0.3366],

[ 0.2083],

[-0.3443]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.1722]], requires\_grad=True)

test\_f1-ma: 0.8934 test\_f1-mi: 0.9025

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

torch.Size([26128, 200])

81 0.0483 0.9000 0.8942 0.9000

weight\_b:Parameter containing:

tensor([[ 0.3380],

[ 0.2072],

[-0.3537]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.1747]], requires\_grad=True)

test\_f1-ma: 0.8858 test\_f1-mi: 0.8925

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

torch.Size([26128, 200])

82 0.0532 0.8850 0.8808 0.8850

weight\_b:Parameter containing:

tensor([[ 0.3394],

[ 0.2047],

[-0.3629]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.1758]], requires\_grad=True)

test\_f1-ma: 0.8748 test\_f1-mi: 0.8800

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

torch.Size([26128, 200])

83 0.0467 0.8975 0.8933 0.8975

weight\_b:Parameter containing:

tensor([[ 0.3407],

[ 0.2025],

[-0.3720]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.1773]], requires\_grad=True)

test\_f1-ma: 0.8807 test\_f1-mi: 0.8875

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

torch.Size([26128, 200])

84 0.0431 0.8975 0.8936 0.8975

weight\_b:Parameter containing:

tensor([[ 0.3421],

[ 0.2012],

[-0.3813]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.1795]], requires\_grad=True)

test\_f1-ma: 0.8794 test\_f1-mi: 0.8875

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

torch.Size([26128, 200])

85 0.0401 0.9150 0.9114 0.9150

weight\_b:Parameter containing:

tensor([[ 0.3434],

[ 0.2007],

[-0.3905]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.1823]], requires\_grad=True)

test\_f1-ma: 0.8969 test\_f1-mi: 0.9050

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

torch.Size([26128, 200])

86 0.0400 0.9175 0.9129 0.9175

weight\_b:Parameter containing:

tensor([[ 0.3447],

[ 0.2003],

[-0.3997]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.1854]], requires\_grad=True)

test\_f1-ma: 0.9046 test\_f1-mi: 0.9125

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

torch.Size([26128, 200])

87 0.0381 0.9175 0.9128 0.9175

weight\_b:Parameter containing:

tensor([[ 0.3459],

[ 0.1998],

[-0.4088]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.1885]], requires\_grad=True)

test\_f1-ma: 0.9031 test\_f1-mi: 0.9100

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

torch.Size([26128, 200])

88 0.0327 0.9050 0.8999 0.9050

weight\_b:Parameter containing:

tensor([[ 0.3472],

[ 0.1991],

[-0.4177]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.1916]], requires\_grad=True)

test\_f1-ma: 0.8897 test\_f1-mi: 0.8975

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

torch.Size([26128, 200])

89 0.0309 0.9050 0.8999 0.9050

weight\_b:Parameter containing:

tensor([[ 0.3484],

[ 0.1983],

[-0.4263]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.1945]], requires\_grad=True)

test\_f1-ma: 0.8942 test\_f1-mi: 0.9025

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

torch.Size([26128, 200])

90 0.0305 0.9100 0.9055 0.9100

weight\_b:Parameter containing:

tensor([[ 0.3495],

[ 0.1973],

[-0.4347]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.1973]], requires\_grad=True)

test\_f1-ma: 0.9001 test\_f1-mi: 0.9075

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

torch.Size([26128, 200])

91 0.0279 0.9125 0.9084 0.9125

weight\_b:Parameter containing:

tensor([[ 0.3506],

[ 0.1965],

[-0.4429]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.2002]], requires\_grad=True)

test\_f1-ma: 0.9023 test\_f1-mi: 0.9100

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

torch.Size([26128, 200])

92 0.0253 0.9200 0.9156 0.9200

weight\_b:Parameter containing:

tensor([[ 0.3517],

[ 0.1959],

[-0.4509]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.2032]], requires\_grad=True)

test\_f1-ma: 0.9069 test\_f1-mi: 0.9150

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

torch.Size([26128, 200])

93 0.0248 0.9175 0.9135 0.9175

weight\_b:Parameter containing:

tensor([[ 0.3528],

[ 0.1957],

[-0.4588]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.2064]], requires\_grad=True)

test\_f1-ma: 0.9031 test\_f1-mi: 0.9125

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

torch.Size([26128, 200])

94 0.0243 0.9225 0.9184 0.9225

weight\_b:Parameter containing:

tensor([[ 0.3538],

[ 0.1956],

[-0.4663]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.2096]], requires\_grad=True)

test\_f1-ma: 0.9061 test\_f1-mi: 0.9150

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

torch.Size([26128, 200])

95 0.0219 0.9275 0.9235 0.9275

weight\_b:Parameter containing:

tensor([[ 0.3548],

[ 0.1953],

[-0.4735]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.2127]], requires\_grad=True)

test\_f1-ma: 0.9063 test\_f1-mi: 0.9150

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

torch.Size([26128, 200])

96 0.0201 0.9275 0.9236 0.9275

weight\_b:Parameter containing:

tensor([[ 0.3558],

[ 0.1952],

[-0.4805]], requires\_grad=True)

weight\_a:Parameter containing:

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

test\_f1-ma: 0.9098 test\_f1-mi: 0.9175

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

torch.Size([26128, 200])

97 0.0201 0.9275 0.9235 0.9275

weight\_b:Parameter containing:

tensor([[ 0.3568],

[ 0.1953],

[-0.4875]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.2192]], requires\_grad=True)

test\_f1-ma: 0.9098 test\_f1-mi: 0.9175

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

torch.Size([26128, 200])

98 0.0183 0.9250 0.9213 0.9250

weight\_b:Parameter containing:

tensor([[ 0.3577],

[ 0.1953],

[-0.4942]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.2222]], requires\_grad=True)

test\_f1-ma: 0.9087 test\_f1-mi: 0.9175

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

torch.Size([26128, 200])

99 0.0172 0.9325 0.9294 0.9325

weight\_b:Parameter containing:

tensor([[ 0.3586],

[ 0.1952],

[-0.5008]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.2253]], requires\_grad=True)

test\_f1-ma: 0.9108 test\_f1-mi: 0.9200

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

torch.Size([26128, 200])

100 0.0170 0.9350 0.9320 0.9350

weight\_b:Parameter containing:

tensor([[ 0.3595],

[ 0.1953],

[-0.5073]], requires\_grad=True)

weight\_a:Parameter containing:

tensor([[0.2284]], requires\_grad=True)

test\_f1-ma: 0.9135 test\_f1-mi: 0.9225

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

time: 2025.4583921432

[Classification] Macro-F1: 0.9135 (0.0000) | Micro-F1: 0.9225 (0.0000)

[0.9134522137360352, 0.9225]

Test F1-ma: 0.9134522137, F1-mi: 0.9225000000

Process finished with exit code 0