**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 56.2185 0.2425 0.0994 0.2425**

**weight\_b:Parameter containing:**

**tensor([[0.9950],**

**[0.9950],**

**[0.9950]], requires\_grad=True)**

**weight\_a:Parameter containing:**

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

**test\_f1-ma: 0.1342 test\_f1-mi: 0.2775**

**==================================================**

**torch.Size([26128, 200])**

**2 1615.9799 0.4350 0.3162 0.4350**

**weight\_b:Parameter containing:**

**tensor([[0.9912],**

**[0.9911],**

**[0.9912]], requires\_grad=True)**

**weight\_a:Parameter containing:**

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

**test\_f1-ma: 0.3130 test\_f1-mi: 0.4350**

**==================================================**

**torch.Size([26128, 200])**

**3 973.9340 0.3750 0.2728 0.3750**

**weight\_b:Parameter containing:**

**tensor([[0.9870],**

**[0.9868],**

**[0.9873]], requires\_grad=True)**

**weight\_a:Parameter containing:**

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

**test\_f1-ma: 0.2901 test\_f1-mi: 0.3950**

**==================================================**

**torch.Size([26128, 200])**

**4 938.1123 0.5375 0.3445 0.5375**

**weight\_b:Parameter containing:**

**tensor([[0.9826],**

**[0.9823],**

**[0.9832]], requires\_grad=True)**

**weight\_a:Parameter containing:**

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

**test\_f1-ma: 0.3486 test\_f1-mi: 0.5450**

**==================================================**

**torch.Size([26128, 200])**

**5 1108.0272 0.2425 0.1592 0.2425**

**weight\_b:Parameter containing:**

**tensor([[0.9780],**

**[0.9776],**

**[0.9790]], requires\_grad=True)**

**weight\_a:Parameter containing:**

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

**test\_f1-ma: 0.1440 test\_f1-mi: 0.2225**

**==================================================**

**torch.Size([26128, 200])**

**6 548.1278 0.4050 0.2847 0.4050**

**weight\_b:Parameter containing:**

**tensor([[0.9736],**

**[0.9731],**

**[0.9749]], requires\_grad=True)**

**weight\_a:Parameter containing:**

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

**test\_f1-ma: 0.3286 test\_f1-mi: 0.4400**

**==================================================**

**torch.Size([26128, 200])**

**7 149.3961 0.7850 0.6528 0.7850**

**weight\_b:Parameter containing:**

**tensor([[0.9696],**

**[0.9689],**

**[0.9712]], requires\_grad=True)**

**weight\_a:Parameter containing:**

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

**test\_f1-ma: 0.6725 test\_f1-mi: 0.8125**

**==================================================**

**torch.Size([26128, 200])**

**8 304.4906 0.6100 0.5187 0.6100**

**weight\_b:Parameter containing:**

**tensor([[0.9658],**

**[0.9649],**

**[0.9679]], requires\_grad=True)**

**weight\_a:Parameter containing:**

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

**test\_f1-ma: 0.5637 test\_f1-mi: 0.6525**

**==================================================**

**torch.Size([26128, 200])**

**9 225.3463 0.6500 0.6127 0.6500**

**weight\_b:Parameter containing:**

**tensor([[0.9623],**

**[0.9609],**

**[0.9649]], requires\_grad=True)**

**weight\_a:Parameter containing:**

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

**test\_f1-ma: 0.6778 test\_f1-mi: 0.7000**

**==================================================**

**torch.Size([26128, 200])**

**10 113.0915 0.7925 0.7896 0.7925**

**weight\_b:Parameter containing:**

**tensor([[0.9589],**

**[0.9572],**

**[0.9623]], requires\_grad=True)**

**weight\_a:Parameter containing:**

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

**test\_f1-ma: 0.8110 test\_f1-mi: 0.8150**

**==================================================**

**torch.Size([26128, 200])**

**11 110.6292 0.7825 0.7670 0.7825**

**weight\_b:Parameter containing:**

**tensor([[0.9559],**

**[0.9538],**

**[0.9599]], requires\_grad=True)**

**weight\_a:Parameter containing:**

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

**test\_f1-ma: 0.8032 test\_f1-mi: 0.8175**

**==================================================**

**torch.Size([26128, 200])**

**12 106.8688 0.8825 0.8688 0.8825**

**weight\_b:Parameter containing:**

**tensor([[0.9530],**

**[0.9506],**

**[0.9575]], requires\_grad=True)**

**weight\_a:Parameter containing:**

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

**test\_f1-ma: 0.9133 test\_f1-mi: 0.9225**

**==================================================**

**torch.Size([26128, 200])**

**13 142.2041 0.8775 0.8594 0.8775**

**weight\_b:Parameter containing:**

**tensor([[0.9503],**

**[0.9477],**

**[0.9552]], requires\_grad=True)**

**weight\_a:Parameter containing:**

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

**test\_f1-ma: 0.9219 test\_f1-mi: 0.9325**

**==================================================**

**torch.Size([26128, 200])**

**14 123.7748 0.8850 0.8650 0.8850**

**weight\_b:Parameter containing:**

**tensor([[0.9477],**

**[0.9450],**

**[0.9529]], requires\_grad=True)**

**weight\_a:Parameter containing:**

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

**test\_f1-ma: 0.9182 test\_f1-mi: 0.9300**

**==================================================**

**torch.Size([26128, 200])**

**15 70.5754 0.9150 0.8997 0.9150**

**weight\_b:Parameter containing:**

**tensor([[0.9453],**

**[0.9425],**

**[0.9507]], requires\_grad=True)**

**weight\_a:Parameter containing:**

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

**test\_f1-ma: 0.9274 test\_f1-mi: 0.9375**

**==================================================**

**torch.Size([26128, 200])**

**16 41.2740 0.9350 0.9260 0.9350**

**weight\_b:Parameter containing:**

**tensor([[0.9431],**

**[0.9402],**

**[0.9486]], requires\_grad=True)**

**weight\_a:Parameter containing:**

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

**test\_f1-ma: 0.9378 test\_f1-mi: 0.9475**

**==================================================**

**torch.Size([26128, 200])**

**17 45.1168 0.9175 0.9082 0.9175**

**weight\_b:Parameter containing:**

**tensor([[0.9411],**

**[0.9380],**

**[0.9467]], requires\_grad=True)**

**weight\_a:Parameter containing:**

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

**test\_f1-ma: 0.9135 test\_f1-mi: 0.9250**

**==================================================**

**torch.Size([26128, 200])**

**18 70.4053 0.9000 0.8908 0.9000**

**weight\_b:Parameter containing:**

**tensor([[0.9391],**

**[0.9359],**

**[0.9451]], requires\_grad=True)**

**weight\_a:Parameter containing:**

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

**test\_f1-ma: 0.8622 test\_f1-mi: 0.8775**

**==================================================**

**torch.Size([26128, 200])**

**19 89.2415 0.8650 0.8476 0.8650**

**weight\_b:Parameter containing:**

**tensor([[0.9373],**

**[0.9338],**

**[0.9436]], requires\_grad=True)**

**weight\_a:Parameter containing:**

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

**test\_f1-ma: 0.8351 test\_f1-mi: 0.8550**

**==================================================**

**torch.Size([26128, 200])**

**20 78.2721 0.8575 0.8351 0.8575**

**weight\_b:Parameter containing:**

**tensor([[0.9355],**

**[0.9318],**

**[0.9422]], requires\_grad=True)**

**weight\_a:Parameter containing:**

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

**test\_f1-ma: 0.8375 test\_f1-mi: 0.8625**

**==================================================**

**torch.Size([26128, 200])**

**21 53.5364 0.8875 0.8688 0.8875**

**weight\_b:Parameter containing:**

**tensor([[0.9339],**

**[0.9299],**

**[0.9410]], requires\_grad=True)**

**weight\_a:Parameter containing:**

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

**test\_f1-ma: 0.8642 test\_f1-mi: 0.8875**

**==================================================**

**torch.Size([26128, 200])**

**22 42.3839 0.9175 0.9010 0.9175**

**weight\_b:Parameter containing:**

**tensor([[0.9323],**

**[0.9281],**

**[0.9398]], requires\_grad=True)**

**weight\_a:Parameter containing:**

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

**test\_f1-ma: 0.8976 test\_f1-mi: 0.9175**

**==================================================**

**torch.Size([26128, 200])**

**23 42.7011 0.9275 0.9161 0.9275**

**weight\_b:Parameter containing:**

**tensor([[0.9308],**

**[0.9264],**

**[0.9386]], requires\_grad=True)**

**weight\_a:Parameter containing:**

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

**test\_f1-ma: 0.9110 test\_f1-mi: 0.9250**

**==================================================**

**torch.Size([26128, 200])**

**24 46.8574 0.9300 0.9217 0.9300**

**weight\_b:Parameter containing:**

**tensor([[0.9295],**

**[0.9249],**

**[0.9375]], requires\_grad=True)**

**weight\_a:Parameter containing:**

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

**test\_f1-ma: 0.9196 test\_f1-mi: 0.9325**

**==================================================**

**torch.Size([26128, 200])**

**25 48.6918 0.9275 0.9196 0.9275**

**weight\_b:Parameter containing:**

**tensor([[0.9281],**

**[0.9234],**

**[0.9364]], requires\_grad=True)**

**weight\_a:Parameter containing:**

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

**test\_f1-ma: 0.9353 test\_f1-mi: 0.9425**

**==================================================**

**torch.Size([26128, 200])**

**26 47.4253 0.9300 0.9241 0.9300**

**weight\_b:Parameter containing:**

**tensor([[0.9269],**

**[0.9220],**

**[0.9353]], requires\_grad=True)**

**weight\_a:Parameter containing:**

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

**test\_f1-ma: 0.9422 test\_f1-mi: 0.9475**

**==================================================**

**torch.Size([26128, 200])**

**27 44.2577 0.9250 0.9174 0.9250**

**weight\_b:Parameter containing:**

**tensor([[0.9257],**

**[0.9207],**

**[0.9343]], requires\_grad=True)**

**weight\_a:Parameter containing:**

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

**test\_f1-ma: 0.9364 test\_f1-mi: 0.9425**

**==================================================**

**torch.Size([26128, 200])**

**28 40.8631 0.9350 0.9288 0.9350**

**weight\_b:Parameter containing:**

**tensor([[0.9246],**

**[0.9195],**

**[0.9333]], requires\_grad=True)**

**weight\_a:Parameter containing:**

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

**test\_f1-ma: 0.9423 test\_f1-mi: 0.9475**

**==================================================**

**torch.Size([26128, 200])**

**29 37.3893 0.9275 0.9211 0.9275**

**weight\_b:Parameter containing:**

**tensor([[0.9235],**

**[0.9183],**

**[0.9323]], requires\_grad=True)**

**weight\_a:Parameter containing:**

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

**test\_f1-ma: 0.9424 test\_f1-mi: 0.9475**

**==================================================**

**torch.Size([26128, 200])**

**30 33.9614 0.9200 0.9133 0.9200**

**weight\_b:Parameter containing:**

**tensor([[0.9225],**

**[0.9172],**

**[0.9315]], requires\_grad=True)**

**weight\_a:Parameter containing:**

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

**test\_f1-ma: 0.9354 test\_f1-mi: 0.9400**

**==================================================**

**torch.Size([26128, 200])**

**31 30.9323 0.9225 0.9160 0.9225**

**weight\_b:Parameter containing:**

**tensor([[0.9215],**

**[0.9161],**

**[0.9307]], requires\_grad=True)**

**weight\_a:Parameter containing:**

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

**test\_f1-ma: 0.9300 test\_f1-mi: 0.9350**

**==================================================**

**torch.Size([26128, 200])**

**32 26.9962 0.9300 0.9239 0.9300**

**weight\_b:Parameter containing:**

**tensor([[0.9206],**

**[0.9150],**

**[0.9300]], requires\_grad=True)**

**weight\_a:Parameter containing:**

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

**test\_f1-ma: 0.9287 test\_f1-mi: 0.9350**

**==================================================**

**torch.Size([26128, 200])**

**33 24.3421 0.9350 0.9279 0.9350**

**weight\_b:Parameter containing:**

**tensor([[0.9197],**

**[0.9139],**

**[0.9294]], requires\_grad=True)**

**weight\_a:Parameter containing:**

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

**test\_f1-ma: 0.9267 test\_f1-mi: 0.9350**

**==================================================**

**torch.Size([26128, 200])**

**34 25.3102 0.9225 0.9107 0.9225**

**weight\_b:Parameter containing:**

**tensor([[0.9189],**

**[0.9129],**

**[0.9288]], requires\_grad=True)**

**weight\_a:Parameter containing:**

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

**test\_f1-ma: 0.9188 test\_f1-mi: 0.9300**

**==================================================**

**torch.Size([26128, 200])**

**35 27.0873 0.9150 0.9007 0.9150**

**weight\_b:Parameter containing:**

**tensor([[0.9181],**

**[0.9120],**

**[0.9283]], requires\_grad=True)**

**weight\_a:Parameter containing:**

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

**test\_f1-ma: 0.9071 test\_f1-mi: 0.9225**

**==================================================**

**torch.Size([26128, 200])**

**36 27.2204 0.9175 0.9019 0.9175**

**weight\_b:Parameter containing:**

**tensor([[0.9174],**

**[0.9111],**

**[0.9277]], requires\_grad=True)**

**weight\_a:Parameter containing:**

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

**test\_f1-ma: 0.9086 test\_f1-mi: 0.9250**

**==================================================**

**torch.Size([26128, 200])**

**37 24.7703 0.9325 0.9220 0.9325**

**weight\_b:Parameter containing:**

**tensor([[0.9166],**

**[0.9103],**

**[0.9271]], requires\_grad=True)**

**weight\_a:Parameter containing:**

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

**test\_f1-ma: 0.9157 test\_f1-mi: 0.9300**

**==================================================**

**torch.Size([26128, 200])**

**38 21.0951 0.9400 0.9317 0.9400**

**weight\_b:Parameter containing:**

**tensor([[0.9160],**

**[0.9095],**

**[0.9266]], requires\_grad=True)**

**weight\_a:Parameter containing:**

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

**test\_f1-ma: 0.9273 test\_f1-mi: 0.9375**

**==================================================**

**torch.Size([26128, 200])**

**39 17.3854 0.9375 0.9289 0.9375**

**weight\_b:Parameter containing:**

**tensor([[0.9153],**

**[0.9088],**

**[0.9260]], requires\_grad=True)**

**weight\_a:Parameter containing:**

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

**test\_f1-ma: 0.9318 test\_f1-mi: 0.9400**

**==================================================**

**torch.Size([26128, 200])**

**40 15.6965 0.9425 0.9362 0.9425**

**weight\_b:Parameter containing:**

**tensor([[0.9147],**

**[0.9082],**

**[0.9255]], requires\_grad=True)**

**weight\_a:Parameter containing:**

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

**test\_f1-ma: 0.9365 test\_f1-mi: 0.9425**

**==================================================**

**torch.Size([26128, 200])**

**41 16.1482 0.9425 0.9367 0.9425**

**weight\_b:Parameter containing:**

**tensor([[0.9142],**

**[0.9075],**

**[0.9250]], requires\_grad=True)**

**weight\_a:Parameter containing:**

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

**test\_f1-ma: 0.9503 test\_f1-mi: 0.9550**

**==================================================**

**torch.Size([26128, 200])**

**42 17.7401 0.9400 0.9348 0.9400**

**weight\_b:Parameter containing:**

**tensor([[0.9136],**

**[0.9069],**

**[0.9246]], requires\_grad=True)**

**weight\_a:Parameter containing:**

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

**test\_f1-ma: 0.9490 test\_f1-mi: 0.9525**

**==================================================**

**torch.Size([26128, 200])**

**43 17.4239 0.9400 0.9349 0.9400**

**weight\_b:Parameter containing:**

**tensor([[0.9131],**

**[0.9063],**

**[0.9242]], requires\_grad=True)**

**weight\_a:Parameter containing:**

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

**test\_f1-ma: 0.9462 test\_f1-mi: 0.9500**

**==================================================**

**torch.Size([26128, 200])**

**44 15.8219 0.9400 0.9346 0.9400**

**weight\_b:Parameter containing:**

**tensor([[0.9126],**

**[0.9057],**

**[0.9238]], requires\_grad=True)**

**weight\_a:Parameter containing:**

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

**test\_f1-ma: 0.9568 test\_f1-mi: 0.9600**

**==================================================**

**torch.Size([26128, 200])**

**45 13.1536 0.9450 0.9403 0.9450**

**weight\_b:Parameter containing:**

**tensor([[0.9121],**

**[0.9052],**

**[0.9234]], requires\_grad=True)**

**weight\_a:Parameter containing:**

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

**test\_f1-ma: 0.9446 test\_f1-mi: 0.9500**

**==================================================**

**torch.Size([26128, 200])**

**46 11.2056 0.9375 0.9304 0.9375**

**weight\_b:Parameter containing:**

**tensor([[0.9117],**

**[0.9047],**

**[0.9231]], requires\_grad=True)**

**weight\_a:Parameter containing:**

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

**test\_f1-ma: 0.9448 test\_f1-mi: 0.9500**

**==================================================**

**torch.Size([26128, 200])**

**47 11.0108 0.9400 0.9320 0.9400**

**weight\_b:Parameter containing:**

**tensor([[0.9113],**

**[0.9042],**

**[0.9227]], requires\_grad=True)**

**weight\_a:Parameter containing:**

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

**test\_f1-ma: 0.9377 test\_f1-mi: 0.9450**

**==================================================**

**torch.Size([26128, 200])**

**48 11.2870 0.9325 0.9239 0.9325**

**weight\_b:Parameter containing:**

**tensor([[0.9109],**

**[0.9037],**

**[0.9224]], requires\_grad=True)**

**weight\_a:Parameter containing:**

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

**test\_f1-ma: 0.9365 test\_f1-mi: 0.9450**

**==================================================**

**torch.Size([26128, 200])**

**49 11.2763 0.9275 0.9183 0.9275**

**weight\_b:Parameter containing:**

**tensor([[0.9105],**

**[0.9033],**

**[0.9221]], requires\_grad=True)**

**weight\_a:Parameter containing:**

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

**test\_f1-ma: 0.9295 test\_f1-mi: 0.9400**

**==================================================**

**torch.Size([26128, 200])**

**50 10.3852 0.9275 0.9185 0.9275**

**weight\_b:Parameter containing:**

**tensor([[0.9101],**

**[0.9029],**

**[0.9217]], requires\_grad=True)**

**weight\_a:Parameter containing:**

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

**test\_f1-ma: 0.9267 test\_f1-mi: 0.9375**

**==================================================**

**torch.Size([26128, 200])**

**51 9.2049 0.9325 0.9249 0.9325**

**weight\_b:Parameter containing:**

**tensor([[0.9098],**

**[0.9025],**

**[0.9215]], requires\_grad=True)**

**weight\_a:Parameter containing:**

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

**test\_f1-ma: 0.9330 test\_f1-mi: 0.9425**

**==================================================**

**torch.Size([26128, 200])**

**52 8.1790 0.9300 0.9220 0.9300**

**weight\_b:Parameter containing:**

**tensor([[0.9095],**

**[0.9021],**

**[0.9212]], requires\_grad=True)**

**weight\_a:Parameter containing:**

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

**test\_f1-ma: 0.9489 test\_f1-mi: 0.9550**

**==================================================**

**torch.Size([26128, 200])**

**53 7.7637 0.9375 0.9319 0.9375**

**weight\_b:Parameter containing:**

**tensor([[0.9092],**

**[0.9018],**

**[0.9210]], requires\_grad=True)**

**weight\_a:Parameter containing:**

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

**test\_f1-ma: 0.9470 test\_f1-mi: 0.9525**

**==================================================**

**torch.Size([26128, 200])**

**54 7.7479 0.9400 0.9347 0.9400**

**weight\_b:Parameter containing:**

**tensor([[0.9089],**

**[0.9014],**

**[0.9207]], requires\_grad=True)**

**weight\_a:Parameter containing:**

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

**test\_f1-ma: 0.9454 test\_f1-mi: 0.9500**

**==================================================**

**torch.Size([26128, 200])**

**55 7.8011 0.9500 0.9458 0.9500**

**weight\_b:Parameter containing:**

**tensor([[0.9086],**

**[0.9011],**

**[0.9205]], requires\_grad=True)**

**weight\_a:Parameter containing:**

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

**test\_f1-ma: 0.9486 test\_f1-mi: 0.9525**

**==================================================**

**torch.Size([26128, 200])**

**56 7.1408 0.9475 0.9431 0.9475**

**weight\_b:Parameter containing:**

**tensor([[0.9084],**

**[0.9008],**

**[0.9203]], requires\_grad=True)**

**weight\_a:Parameter containing:**

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

**test\_f1-ma: 0.9450 test\_f1-mi: 0.9500**

**==================================================**

**torch.Size([26128, 200])**

**57 6.9593 0.9375 0.9322 0.9375**

**weight\_b:Parameter containing:**

**tensor([[0.9081],**

**[0.9005],**

**[0.9201]], requires\_grad=True)**

**weight\_a:Parameter containing:**

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

**test\_f1-ma: 0.9445 test\_f1-mi: 0.9500**

**==================================================**

**torch.Size([26128, 200])**

**58 6.0861 0.9425 0.9363 0.9425**

**weight\_b:Parameter containing:**

**tensor([[0.9079],**

**[0.9002],**

**[0.9199]], requires\_grad=True)**

**weight\_a:Parameter containing:**

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

**test\_f1-ma: 0.9464 test\_f1-mi: 0.9525**

**==================================================**

**torch.Size([26128, 200])**

**59 5.7465 0.9425 0.9361 0.9425**

**weight\_b:Parameter containing:**

**tensor([[0.9077],**

**[0.9000],**

**[0.9198]], requires\_grad=True)**

**weight\_a:Parameter containing:**

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

**test\_f1-ma: 0.9452 test\_f1-mi: 0.9525**

**==================================================**

**torch.Size([26128, 200])**

**60 5.7692 0.9325 0.9258 0.9325**

**weight\_b:Parameter containing:**

**tensor([[0.9075],**

**[0.8997],**

**[0.9196]], requires\_grad=True)**

**weight\_a:Parameter containing:**

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

**test\_f1-ma: 0.9428 test\_f1-mi: 0.9500**

**==================================================**

**torch.Size([26128, 200])**

**61 5.3587 0.9300 0.9229 0.9300**

**weight\_b:Parameter containing:**

**tensor([[0.9073],**

**[0.8995],**

**[0.9194]], requires\_grad=True)**

**weight\_a:Parameter containing:**

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

**test\_f1-ma: 0.9328 test\_f1-mi: 0.9425**

**==================================================**

**torch.Size([26128, 200])**

**62 4.9602 0.9350 0.9291 0.9350**

**weight\_b:Parameter containing:**

**tensor([[0.9071],**

**[0.8993],**

**[0.9192]], requires\_grad=True)**

**weight\_a:Parameter containing:**

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

**test\_f1-ma: 0.9398 test\_f1-mi: 0.9475**

**==================================================**

**torch.Size([26128, 200])**

**63 4.6435 0.9275 0.9198 0.9275**

**weight\_b:Parameter containing:**

**tensor([[0.9069],**

**[0.8991],**

**[0.9191]], requires\_grad=True)**

**weight\_a:Parameter containing:**

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

**test\_f1-ma: 0.9464 test\_f1-mi: 0.9525**

**==================================================**

**torch.Size([26128, 200])**

**64 4.3942 0.9375 0.9335 0.9375**

**weight\_b:Parameter containing:**

**tensor([[0.9067],**

**[0.8989],**

**[0.9189]], requires\_grad=True)**

**weight\_a:Parameter containing:**

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

**test\_f1-ma: 0.9314 test\_f1-mi: 0.9375**

**==================================================**

**torch.Size([26128, 200])**

**65 4.4351 0.9325 0.9269 0.9325**

**weight\_b:Parameter containing:**

**tensor([[0.9066],**

**[0.8987],**

**[0.9188]], requires\_grad=True)**

**weight\_a:Parameter containing:**

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

**test\_f1-ma: 0.9482 test\_f1-mi: 0.9525**

**==================================================**

**torch.Size([26128, 200])**

**66 4.8250 0.9275 0.9230 0.9275**

**weight\_b:Parameter containing:**

**tensor([[0.9064],**

**[0.8985],**

**[0.9187]], requires\_grad=True)**

**weight\_a:Parameter containing:**

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

**test\_f1-ma: 0.9287 test\_f1-mi: 0.9350**

**==================================================**

**torch.Size([26128, 200])**

**67 4.6968 0.9225 0.9174 0.9225**

**weight\_b:Parameter containing:**

**tensor([[0.9063],**

**[0.8983],**

**[0.9185]], requires\_grad=True)**

**weight\_a:Parameter containing:**

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

**test\_f1-ma: 0.9396 test\_f1-mi: 0.9450**

**==================================================**

**torch.Size([26128, 200])**

**68 5.0532 0.9300 0.9260 0.9300**

**weight\_b:Parameter containing:**

**tensor([[0.9061],**

**[0.8981],**

**[0.9184]], requires\_grad=True)**

**weight\_a:Parameter containing:**

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

**test\_f1-ma: 0.9254 test\_f1-mi: 0.9325**

**==================================================**

**torch.Size([26128, 200])**

**69 4.4796 0.9275 0.9200 0.9275**

**weight\_b:Parameter containing:**

**tensor([[0.9060],**

**[0.8980],**

**[0.9183]], requires\_grad=True)**

**weight\_a:Parameter containing:**

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

**test\_f1-ma: 0.9377 test\_f1-mi: 0.9450**

**==================================================**

**torch.Size([26128, 200])**

**70 3.6608 0.9375 0.9321 0.9375**

**weight\_b:Parameter containing:**

**tensor([[0.9058],**

**[0.8978],**

**[0.9182]], requires\_grad=True)**

**weight\_a:Parameter containing:**

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

**test\_f1-ma: 0.9367 test\_f1-mi: 0.9425**

**==================================================**

**torch.Size([26128, 200])**

**71 2.9327 0.9350 0.9287 0.9350**

**weight\_b:Parameter containing:**

**tensor([[0.9057],**

**[0.8977],**

**[0.9181]], requires\_grad=True)**

**weight\_a:Parameter containing:**

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

**test\_f1-ma: 0.9415 test\_f1-mi: 0.9475**

**==================================================**

**torch.Size([26128, 200])**

**72 3.5069 0.9275 0.9204 0.9275**

**weight\_b:Parameter containing:**

**tensor([[0.9056],**

**[0.8975],**

**[0.9180]], requires\_grad=True)**

**weight\_a:Parameter containing:**

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

**test\_f1-ma: 0.9294 test\_f1-mi: 0.9375**

**==================================================**

**torch.Size([26128, 200])**

**73 3.2091 0.9300 0.9262 0.9300**

**weight\_b:Parameter containing:**

**tensor([[0.9055],**

**[0.8974],**

**[0.9179]], requires\_grad=True)**

**weight\_a:Parameter containing:**

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

**test\_f1-ma: 0.9287 test\_f1-mi: 0.9350**

**==================================================**

**torch.Size([26128, 200])**

**74 2.7917 0.9300 0.9252 0.9300**

**weight\_b:Parameter containing:**

**tensor([[0.9054],**

**[0.8973],**

**[0.9178]], requires\_grad=True)**

**weight\_a:Parameter containing:**

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

**test\_f1-ma: 0.9364 test\_f1-mi: 0.9400**

**==================================================**

**torch.Size([26128, 200])**

**75 3.4758 0.9325 0.9275 0.9325**

**weight\_b:Parameter containing:**

**tensor([[0.9053],**

**[0.8971],**

**[0.9177]], requires\_grad=True)**

**weight\_a:Parameter containing:**

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

**test\_f1-ma: 0.9323 test\_f1-mi: 0.9375**

**==================================================**

**torch.Size([26128, 200])**

**76 3.7109 0.9300 0.9252 0.9300**

**weight\_b:Parameter containing:**

**tensor([[0.9052],**

**[0.8970],**

**[0.9177]], requires\_grad=True)**

**weight\_a:Parameter containing:**

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

**test\_f1-ma: 0.9287 test\_f1-mi: 0.9350**

**==================================================**

**torch.Size([26128, 200])**

**77 2.8719 0.9350 0.9294 0.9350**

**weight\_b:Parameter containing:**

**tensor([[0.9051],**

**[0.8969],**

**[0.9176]], requires\_grad=True)**

**weight\_a:Parameter containing:**

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

**test\_f1-ma: 0.9415 test\_f1-mi: 0.9450**

**==================================================**

**torch.Size([26128, 200])**

**78 2.4220 0.9300 0.9235 0.9300**

**weight\_b:Parameter containing:**

**tensor([[0.9050],**

**[0.8968],**

**[0.9175]], requires\_grad=True)**

**weight\_a:Parameter containing:**

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

**test\_f1-ma: 0.9496 test\_f1-mi: 0.9525**

**==================================================**

**torch.Size([26128, 200])**

**79 2.1620 0.9300 0.9245 0.9300**

**weight\_b:Parameter containing:**

**tensor([[0.9049],**

**[0.8967],**

**[0.9174]], requires\_grad=True)**

**weight\_a:Parameter containing:**

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

**test\_f1-ma: 0.9362 test\_f1-mi: 0.9400**

**==================================================**

**torch.Size([26128, 200])**

**80 2.2081 0.9300 0.9253 0.9300**

**weight\_b:Parameter containing:**

**tensor([[0.9048],**

**[0.8966],**

**[0.9174]], requires\_grad=True)**

**weight\_a:Parameter containing:**

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

**test\_f1-ma: 0.9352 test\_f1-mi: 0.9375**

**==================================================**

**torch.Size([26128, 200])**

**81 2.0754 0.9350 0.9297 0.9350**

**weight\_b:Parameter containing:**

**tensor([[0.9047],**

**[0.8965],**

**[0.9173]], requires\_grad=True)**

**weight\_a:Parameter containing:**

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

**test\_f1-ma: 0.9423 test\_f1-mi: 0.9450**

**==================================================**

**torch.Size([26128, 200])**

**82 1.7925 0.9300 0.9239 0.9300**

**weight\_b:Parameter containing:**

**tensor([[0.9047],**

**[0.8964],**

**[0.9173]], requires\_grad=True)**

**weight\_a:Parameter containing:**

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

**test\_f1-ma: 0.9416 test\_f1-mi: 0.9450**

**==================================================**

**torch.Size([26128, 200])**

**83 1.9371 0.9300 0.9233 0.9300**

**weight\_b:Parameter containing:**

**tensor([[0.9046],**

**[0.8963],**

**[0.9172]], requires\_grad=True)**

**weight\_a:Parameter containing:**

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

**test\_f1-ma: 0.9379 test\_f1-mi: 0.9425**

**==================================================**

**torch.Size([26128, 200])**

**84 1.6313 0.9350 0.9297 0.9350**

**weight\_b:Parameter containing:**

**tensor([[0.9045],**

**[0.8962],**

**[0.9172]], requires\_grad=True)**

**weight\_a:Parameter containing:**

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

**test\_f1-ma: 0.9475 test\_f1-mi: 0.9500**

**==================================================**

**torch.Size([26128, 200])**

**85 1.4790 0.9350 0.9298 0.9350**

**weight\_b:Parameter containing:**

**tensor([[0.9045],**

**[0.8961],**

**[0.9171]], requires\_grad=True)**

**weight\_a:Parameter containing:**

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

**test\_f1-ma: 0.9521 test\_f1-mi: 0.9550**

**==================================================**

**torch.Size([26128, 200])**

**86 1.7648 0.9275 0.9229 0.9275**

**weight\_b:Parameter containing:**

**tensor([[0.9044],**

**[0.8960],**

**[0.9171]], requires\_grad=True)**

**weight\_a:Parameter containing:**

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

**test\_f1-ma: 0.9304 test\_f1-mi: 0.9350**

**==================================================**

**torch.Size([26128, 200])**

**87 2.2144 0.9250 0.9195 0.9250**

**weight\_b:Parameter containing:**

**tensor([[0.9043],**

**[0.8959],**

**[0.9170]], requires\_grad=True)**

**weight\_a:Parameter containing:**

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

**test\_f1-ma: 0.9225 test\_f1-mi: 0.9300**

**==================================================**

**torch.Size([26128, 200])**

**88 4.6513 0.9025 0.8992 0.9025**

**weight\_b:Parameter containing:**

**tensor([[0.9043],**

**[0.8958],**

**[0.9170]], requires\_grad=True)**

**weight\_a:Parameter containing:**

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

**test\_f1-ma: 0.8973 test\_f1-mi: 0.9025**

**==================================================**

**torch.Size([26128, 200])**

**89 34.6046 0.7050 0.6718 0.7050**

**weight\_b:Parameter containing:**

**tensor([[0.9041],**

**[0.8957],**

**[0.9169]], requires\_grad=True)**

**weight\_a:Parameter containing:**

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

**test\_f1-ma: 0.6786 test\_f1-mi: 0.7175**

**==================================================**

**torch.Size([26128, 200])**

**90 261.5356 0.3400 0.2253 0.3400**

**weight\_b:Parameter containing:**

**tensor([[0.9035],**

**[0.8949],**

**[0.9164]], requires\_grad=True)**

**weight\_a:Parameter containing:**

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

**test\_f1-ma: 0.2259 test\_f1-mi: 0.3375**

**==================================================**

**torch.Size([26128, 200])**

**91 119.0395 0.6200 0.6131 0.6200**

**weight\_b:Parameter containing:**

**tensor([[0.9027],**

**[0.8938],**

**[0.9158]], requires\_grad=True)**

**weight\_a:Parameter containing:**

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

**test\_f1-ma: 0.6387 test\_f1-mi: 0.6375**

**==================================================**

**torch.Size([26128, 200])**

**92 44.7871 0.9000 0.8876 0.9000**

**weight\_b:Parameter containing:**

**tensor([[0.9018],**

**[0.8928],**

**[0.9151]], requires\_grad=True)**

**weight\_a:Parameter containing:**

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

**test\_f1-ma: 0.9011 test\_f1-mi: 0.9175**

**==================================================**

**torch.Size([26128, 200])**

**93 41.2595 0.9125 0.9014 0.9125**

**weight\_b:Parameter containing:**

**tensor([[0.9010],**

**[0.8919],**

**[0.9143]], requires\_grad=True)**

**weight\_a:Parameter containing:**

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

**test\_f1-ma: 0.9310 test\_f1-mi: 0.9400**

**==================================================**

**torch.Size([26128, 200])**

**94 73.5934 0.9175 0.9100 0.9175**

**weight\_b:Parameter containing:**

**tensor([[0.9001],**

**[0.8908],**

**[0.9135]], requires\_grad=True)**

**weight\_a:Parameter containing:**

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

**test\_f1-ma: 0.9149 test\_f1-mi: 0.9250**

**==================================================**

**torch.Size([26128, 200])**

**95 77.2870 0.9250 0.9193 0.9250**

**weight\_b:Parameter containing:**

**tensor([[0.8991],**

**[0.8896],**

**[0.9128]], requires\_grad=True)**

**weight\_a:Parameter containing:**

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

**test\_f1-ma: 0.9274 test\_f1-mi: 0.9350**

**==================================================**

**torch.Size([26128, 200])**

**96 66.5989 0.9125 0.9055 0.9125**

**weight\_b:Parameter containing:**

**tensor([[0.8980],**

**[0.8882],**

**[0.9122]], requires\_grad=True)**

**weight\_a:Parameter containing:**

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

**test\_f1-ma: 0.9343 test\_f1-mi: 0.9400**

**==================================================**

**torch.Size([26128, 200])**

**97 57.3593 0.9125 0.9053 0.9125**

**weight\_b:Parameter containing:**

**tensor([[0.8970],**

**[0.8867],**

**[0.9116]], requires\_grad=True)**

**weight\_a:Parameter containing:**

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

**test\_f1-ma: 0.9247 test\_f1-mi: 0.9325**

**==================================================**

**torch.Size([26128, 200])**

**98 52.4916 0.8950 0.8864 0.8950**

**weight\_b:Parameter containing:**

**tensor([[0.8959],**

**[0.8852],**

**[0.9111]], requires\_grad=True)**

**weight\_a:Parameter containing:**

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

**test\_f1-ma: 0.9197 test\_f1-mi: 0.9275**

**==================================================**

**torch.Size([26128, 200])**

**99 55.2526 0.9075 0.8979 0.9075**

**weight\_b:Parameter containing:**

**tensor([[0.8948],**

**[0.8837],**

**[0.9105]], requires\_grad=True)**

**weight\_a:Parameter containing:**

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

**test\_f1-ma: 0.9111 test\_f1-mi: 0.9200**

**==================================================**

**torch.Size([26128, 200])**

**100 48.4854 0.9150 0.9038 0.9150**

**weight\_b:Parameter containing:**

**tensor([[0.8937],**

**[0.8823],**

**[0.9097]], requires\_grad=True)**

**weight\_a:Parameter containing:**

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

**test\_f1-ma: 0.9112 test\_f1-mi: 0.9225**

**==================================================**

**time: 3269.1664249897**

**[Classification] Macro-F1: 0.9486 (0.0000) | Micro-F1: 0.9525 (0.0000)**

**[0.9485514605541683, 0.9525]**

**Test F1-ma: 0.9485514606, F1-mi: 0.9525000000**

**Process finished with exit code 0**