——Other Dependencies not specified but need to install:
pip install seaborn
import nltk
nltk.download('punkt')
pip install openpyxl

——Hyperparameter tuning:
//
--dropout=0.5 --lr=0.1 --node_emb_dim=8

Accuracy on the OOD test set 2: 0.2526
Precision on the OOD test set 2 macro / micro: 0.0632, 0.2526
Recall on the OOD test set 2 macro / micro: 0.2500, 0.2526
F1 on the OOD test set 2 macro / micro: 0.1008, 0.2526
Latex: 25.26 & 6.32 & 25.00 & 10.08

Accuracy on the dev set: 0.3050
Precision on the dev set macro / micro: 0.0762, 0.3050
Recall on the dev macro / micro: 0.2500, 0.3050
F1 on the dev macro / micro: 0.1169, 0.3050
Latex: 30.50 & 7.62 & 25.00 & 11.69

//
--dropout=0.5 --lr=0.1 --node_emb_dim=16
Accuracy on the OOD test set 2: 0.2526
Precision on the OOD test set 2 macro / micro: 0.0632, 0.2526
Recall on the OOD test set 2 macro / micro: 0.2500, 0.2526
F1 on the OOD test set 2 macro / micro: 0.1008, 0.2526
Latex: 25.26 & 6.32 & 25.00 & 10.08

Accuracy on the dev set: 0.3050
Precision on the dev set macro / micro: 0.0762, 0.3050
Recall on the dev macro / micro: 0.2500, 0.3050
F1 on the dev macro / micro: 0.1169, 0.3050
Latex: 30.50 & 7.62 & 25.00 & 11.69

//
--dropout=0.5 --lr=0.1 --node_emb_dim=32
Accuracy on the OOD test set 2: 0.2526

Precision on the OOD test set 2 macro / micro: 0.0632, 0.2526
Recall on the OOD test set 2 macro / micro: 0.2500, 0.2526
F1 on the OOD test set 2 macro / micro: 0.1008, 0.2526
Latex: 25.26 & 6.32 & 25.00 & 10.08

Accuracy on the dev set: 0.3050
Precision on the dev set macro / micro: 0.0762, 0.3050
Recall on the dev macro / micro: 0.2500, 0.3050
F1 on the dev macro / micro: 0.1169, 0.3050
Latex: 30.50 & 7.62 & 25.00 & 11.69
"CompareNet_FakeNewsDetection-master/out3" 17078L, 17

//
--dropout=0.5 --lr=0.1 --node_emb_dim=64
Accuracy on the OOD test set 2: 0.2526
Precision on the OOD test set 2 macro / micro: 0.0632, 0.2526
Recall on the OOD test set 2 macro / micro: 0.2500, 0.2526
F1 on the OOD test set 2 macro / micro: 0.1008, 0.2526
Latex: 25.26 & 6.32 & 25.00 & 10.08

Accuracy on the dev set: 0.3050
Precision on the dev set macro / micro: 0.0762, 0.3050
Recall on the dev macro / micro: 0.2500, 0.3050
F1 on the dev macro / micro: 0.1169, 0.3050
Latex: 30.50 & 7.62 & 25.00 & 11.69

//
--dropout=0.5 --lr=0.01 --node_emb_dim=8
Accuracy on the OOD test set 2: 0.2772
Precision on the OOD test set 2 macro / micro: 0.1861, 0.2772
Recall on the OOD test set 2 macro / micro: 0.2743, 0.2772
F1 on the OOD test set 2 macro / micro: 0.1500, 0.2772
Latex: 27.72 & 18.61 & 27.43 & 15.00

Accuracy on the dev set: 0.4022
Precision on the dev set macro / micro: 0.2490, 0.4022
Recall on the dev macro / micro: 0.3094, 0.4022
F1 on the dev macro / micro: 0.2263, 0.4022
Latex: 40.22 & 24.90 & 30.94 & 22.63

//

--dropout=0.5 --lr=0.01 --node_emb_dim=16

Accuracy on the OOD test set 2: 0.2526

Precision on the OOD test set 2 macro / micro: 0.0632, 0.2526

Recall on the OOD test set 2 macro / micro: 0.2500, 0.2526

F1 on the OOD test set 2 macro / micro: 0.1009, 0.2526

Latex: 25.26 & 6.32 & 25.00 & 10.09

Accuracy on the dev set: 0.3052

Precision on the dev set macro / micro: 0.2263, 0.3052

Recall on the dev macro / micro: 0.2502, 0.3052

F1 on the dev macro / micro: 0.1174, 0.3052

Latex: 30.52 & 22.63 & 25.02 & 11.74

//

--dropout=0.5 --lr=0.01 --node_emb_dim=32

Accuracy on the OOD test set 2: 0.2718

Precision on the OOD test set 2 macro / micro: 0.1876, 0.2718

Recall on the OOD test set 2 macro / micro: 0.2690, 0.2718

F1 on the OOD test set 2 macro / micro: 0.1419, 0.2718

Latex: 27.18 & 18.76 & 26.90 & 14.19

Accuracy on the dev set: 0.3706

Precision on the dev set macro / micro: 0.4820, 0.3706

Recall on the dev macro / micro: 0.2835, 0.3706

F1 on the dev macro / micro: 0.1913, 0.3706

Latex: 37.06 & 48.20 & 28.35 & 19.13

//

--dropout=0.5 --lr=0.01 --node_emb_dim=64

Accuracy on the OOD test set 2: 0.2684

Precision on the OOD test set 2 macro / micro: 0.1888, 0.2684

Recall on the OOD test set 2 macro / micro: 0.2657, 0.2684

F1 on the OOD test set 2 macro / micro: 0.1352, 0.2684

Latex: 26.84 & 18.88 & 26.57 & 13.52

Accuracy on the dev set: 0.3655

Precision on the dev set macro / micro: 0.2353, 0.3655

Recall on the dev macro / micro: 0.2792, 0.3655

F1 on the dev macro / micro: 0.1845, 0.3655
Latex: 36.55 & 23.53 & 27.92 & 18.45

//
--dropout=0.5 --lr=0.001 --node_emb_dim=8
Accuracy on the OOD test set 2: 0.6763
Precision on the OOD test set 2 macro / micro: 0.6897, 0.6763
Recall on the OOD test set 2 macro / micro: 0.6766, 0.6763
F1 on the OOD test set 2 macro / micro: 0.6741, 0.6763
Latex: 67.63 & 68.97 & 67.66 & 67.41

Accuracy on the dev set: 0.9560
Precision on the dev set macro / micro: 0.9522, 0.9560
Recall on the dev macro / micro: 0.9557, 0.9560
F1 on the dev macro / micro: 0.9539, 0.9560
Latex: 95.60 & 95.22 & 95.57 & 95.39

//
--dropout=0.5 --lr=0.001 --node_emb_dim=16
Accuracy on the OOD test set 2: 0.7002
Precision on the OOD test set 2 macro / micro: 0.7208, 0.7002
Recall on the OOD test set 2 macro / micro: 0.7002, 0.7002
F1 on the OOD test set 2 macro / micro: 0.6958, 0.7002
Latex: 70.02 & 72.08 & 70.02 & 69.58

Accuracy on the dev set: 0.9723
Precision on the dev set macro / micro: 0.9706, 0.9723
Recall on the dev macro / micro: 0.9719, 0.9723
F1 on the dev macro / micro: 0.9712, 0.9723
Latex: 97.23 & 97.06 & 97.19 & 97.12

//
--dropout=0.5 --lr=0.001 --node_emb_dim=32
Accuracy on the OOD test set 2: 0.6517
Precision on the OOD test set 2 macro / micro: 0.6881, 0.6517
Recall on the OOD test set 2 macro / micro: 0.6518, 0.6517
F1 on the OOD test set 2 macro / micro: 0.6422, 0.6517
Latex: 65.17 & 68.81 & 65.18 & 64.22

Accuracy on the dev set: 0.9625
Precision on the dev set macro / micro: 0.9606, 0.9625

Recall on the dev macro / micro: 0.9615, 0.9625
F1 on the dev macro / micro: 0.9610, 0.9625
Latex: 96.25 & 96.06 & 96.15 & 96.10

//
 --dropout=0.5 --lr=0.001 --node_emb_dim=64
Accuracy on the OOD test set 2: 0.6915
Precision on the OOD test set 2 macro / micro: 0.7175, 0.6915
Recall on the OOD test set 2 macro / micro: 0.6913, 0.6915
F1 on the OOD test set 2 macro / micro: 0.6866, 0.6915
Latex: 69.15 & 71.75 & 69.13 & 68.66

Accuracy on the dev set: 0.9555
Precision on the dev set macro / micro: 0.9548, 0.9555
Recall on the dev macro / micro: 0.9533, 0.9555
F1 on the dev macro / micro: 0.9539, 0.9555
Latex: 95.55 & 95.48 & 95.33 & 95.39

//
--dropout=0.5 --lr=0.0001 --node_emb_dim=8
Accuracy on the OOD test set 2: 0.4968
Precision on the OOD test set 2 macro / micro: 0.4355, 0.4968
Recall on the OOD test set 2 macro / micro: 0.4963, 0.4968
F1 on the OOD test set 2 macro / micro: 0.4246, 0.4968
Latex: 49.68 & 43.55 & 49.63 & 42.46

Accuracy on the dev set: 0.8092
Precision on the dev set macro / micro: 0.6030, 0.8092
Recall on the dev macro / micro: 0.7132, 0.8092
F1 on the dev macro / micro: 0.6514, 0.8092
Latex: 80.92 & 60.30 & 71.32 & 65.14

//
--dropout=0.5 --lr=0.0001--node_emb_dim=16
Accuracy on the OOD test set 2: 0.6177
Precision on the OOD test set 2 macro / micro: 0.6182, 0.6177
Recall on the OOD test set 2 macro / micro: 0.6178, 0.6177
F1 on the OOD test set 2 macro / micro: 0.6176, 0.6177
Latex: 61.77 & 61.82 & 61.78 & 61.76

Accuracy on the dev set: 0.8601
Precision on the dev set macro / micro: 0.8439, 0.8601
Recall on the dev macro / micro: 0.8503, 0.8601
F1 on the dev macro / micro: 0.8459, 0.8601
Latex: 86.01 & 84.39 & 85.03 & 84.59

//
--dropout=0.5 --lr=0.0001 --node_emb_dim=32
Accuracy on the OOD test set 2: 0.5712
Precision on the OOD test set 2 macro / micro: 0.4360, 0.5712
Recall on the OOD test set 2 macro / micro: 0.5691, 0.5712
F1 on the OOD test set 2 macro / micro: 0.4918, 0.5712
Latex: 57.12 & 43.60 & 56.91 & 49.18

Accuracy on the dev set: 0.7546
Precision on the dev set macro / micro: 0.5646, 0.7546
Recall on the dev macro / micro: 0.6584, 0.7546
F1 on the dev macro / micro: 0.6071, 0.7546
Latex: 75.46 & 56.46 & 65.84 & 60.71

//
 --dropout=0.5 --lr=0.0001 --node_emb_dim=64
Accuracy on the OOD test set 2: 0.6349
Precision on the OOD test set 2 macro / micro: 0.6473, 0.6349
Recall on the OOD test set 2 macro / micro: 0.6344, 0.6349
F1 on the OOD test set 2 macro / micro: 0.6303, 0.6349
Latex: 63.49 & 64.73 & 63.44 & 63.03

Accuracy on the dev set: 0.8799
Precision on the dev set macro / micro: 0.8719, 0.8799
Recall on the dev macro / micro: 0.8679, 0.8799
F1 on the dev macro / micro: 0.8694, 0.8799
Latex: 87.99 & 87.19 & 86.79 & 86.94

//
--mode=0 --dropout=0.6 --lr=0.1 --node_emb_dim=8
Accuracy on the OOD test set 2: 0.2526
Precision on the OOD test set 2 macro / micro: 0.0632, 0.2526
Recall on the OOD test set 2 macro / micro: 0.2500, 0.2526
F1 on the OOD test set 2 macro / micro: 0.1008, 0.2526
Latex: 25.26 & 6.32 & 25.00 & 10.08

```
----------------------------------------------------------------------
Accuracy on the dev set: 0.3050
Precision on the dev set macro / micro: 0.0762, 0.3050
Recall on the dev macro / micro: 0.2500, 0.3050
F1 on the dev macro / micro: 0.1169, 0.3050
Latex: 30.50 &  7.62 & 25.00 & 11.69


//////////////////////////////////////////////////////////////////////////////////////////////
--mode=0 --dropout=0.6 --lr=0.1 --node_emb_dim=16
Accuracy on the OOD test set 2: 0.2526
Precision on the OOD test set 2 macro / micro: 0.0632, 0.2526
Recall on the OOD test set 2 macro / micro: 0.2500, 0.2526
F1 on the OOD test set 2 macro / micro: 0.1008, 0.2526
Latex: 25.26 &  6.32 & 25.00 & 10.08
----------------------------------------------------------------------
Accuracy on the dev set: 0.3050
Precision on the dev set macro / micro: 0.0762, 0.3050
Recall on the dev macro / micro: 0.2500, 0.3050
F1 on the dev macro / micro: 0.1169, 0.3050
Latex: 30.50 &  7.62 & 25.00 & 11.69


//////////////////////////////////////////////////////////////////////////////////////////////
--mode=0 --dropout=0.6 --lr=0.1 --node_emb_dim=32
Accuracy on the OOD test set 2: 0.2526
Precision on the OOD test set 2 macro / micro: 0.0632, 0.2526
Recall on the OOD test set 2 macro / micro: 0.2500, 0.2526
F1 on the OOD test set 2 macro / micro: 0.1008, 0.2526
Latex: 25.26 &  6.32 & 25.00 & 10.08
----------------------------------------------------------------------
Accuracy on the dev set: 0.3050
Precision on the dev set macro / micro: 0.0762, 0.3050
Recall on the dev macro / micro: 0.2500, 0.3050
F1 on the dev macro / micro: 0.1169, 0.3050
Latex: 30.50 &  7.62 & 25.00 & 11.69


//////////////////////////////////////////////////////////////////////////////////////////////
--mode=0 --dropout=0.6 --lr=0.1 --node_emb_dim=64
Accuracy on the OOD test set 2: 0.2526
Precision on the OOD test set 2 macro / micro: 0.0632, 0.2526
Recall on the OOD test set 2 macro / micro: 0.2500, 0.2526
```

F1 on the OOD test set 2 macro / micro: 0.1008, 0.2526
Latex: 25.26 & 6.32 & 25.00 & 10.08

Accuracy on the dev set: 0.3050
Precision on the dev set macro / micro: 0.0762, 0.3050
Recall on the dev macro / micro: 0.2500, 0.3050
F1 on the dev macro / micro: 0.1169, 0.3050
Latex: 30.50 & 7.62 & 25.00 & 11.69

///
--mode=0 --dropout=0.6 --lr=0.01 --node_emb_dim=8
Accuracy on the OOD test set 2: 0.3614
Precision on the OOD test set 2 macro / micro: 0.1925, 0.3614
Recall on the OOD test set 2 macro / micro: 0.3577, 0.3614
F1 on the OOD test set 2 macro / micro: 0.2371, 0.3614
Latex: 36.14 & 19.25 & 35.77 & 23.71

Accuracy on the dev set: 0.4652
Precision on the dev set macro / micro: 0.2652, 0.4652
Recall on the dev macro / micro: 0.3696, 0.4652
F1 on the dev macro / micro: 0.2889, 0.4652
Latex: 46.52 & 26.52 & 36.96 & 28.89

///
--mode=0 --dropout=0.6 --lr=0.01 --node_emb_dim=16
Accuracy on the OOD test set 2: 0.2526
Precision on the OOD test set 2 macro / micro: 0.0632, 0.2526
Recall on the OOD test set 2 macro / micro: 0.2500, 0.2526
F1 on the OOD test set 2 macro / micro: 0.1008, 0.2526
Latex: 25.26 & 6.32 & 25.00 & 10.08

Accuracy on the dev set: 0.3050
Precision on the dev set macro / micro: 0.0762, 0.3050
Recall on the dev macro / micro: 0.2500, 0.3050
F1 on the dev macro / micro: 0.1169, 0.3050
Latex: 30.50 & 7.62 & 25.00 & 11.69

///
--mode=0 --dropout=0.6 --lr=0.01 --node_emb_dim=32
Accuracy on the OOD test set 2: 0.2526

Precision on the OOD test set 2 macro / micro: 0.0632, 0.2526
Recall on the OOD test set 2 macro / micro: 0.2500, 0.2526
F1 on the OOD test set 2 macro / micro: 0.1008, 0.2526
Latex: 25.26 & 6.32 & 25.00 & 10.08

Accuracy on the dev set: 0.3050
Precision on the dev set macro / micro: 0.0762, 0.3050
Recall on the dev macro / micro: 0.2500, 0.3050
F1 on the dev macro / micro: 0.1169, 0.3050
Latex: 30.50 & 7.62 & 25.00 & 11.69

///
--mode=0 --dropout=0.6 --lr=0.01 --node_emb_dim=64
Accuracy on the OOD test set 2: 0.2526
Precision on the OOD test set 2 macro / micro: 0.0632, 0.2526
Recall on the OOD test set 2 macro / micro: 0.2500, 0.2526
F1 on the OOD test set 2 macro / micro: 0.1008, 0.2526
Latex: 25.26 & 6.32 & 25.00 & 10.08

Accuracy on the dev set: 0.3050
Precision on the dev set macro / micro: 0.0762, 0.3050
Recall on the dev macro / micro: 0.2500, 0.3050
F1 on the dev macro / micro: 0.1169, 0.3050
Latex: 30.50 & 7.62 & 25.00 & 11.69

///
--mode=0 --dropout=0.6 --lr=0.001 --node_emb_dim=8
Accuracy on the OOD test set 2: 0.6036
Precision on the OOD test set 2 macro / micro: 0.4520, 0.6036
Recall on the OOD test set 2 macro / micro: 0.6019, 0.6036
F1 on the OOD test set 2 macro / micro: 0.5161, 0.6036
Latex: 60.36 & 45.20 & 60.19 & 51.61

Accuracy on the dev set: 0.8226
Precision on the dev set macro / micro: 0.6217, 0.8226
Recall on the dev macro / micro: 0.7255, 0.8226
F1 on the dev macro / micro: 0.6688, 0.8226
Latex: 82.26 & 62.17 & 72.55 & 66.88

///

--mode=0 --dropout=0.6 --lr=0.001 --node_emb_dim=16
Accuracy on the OOD test set 2: 0.6342
Precision on the OOD test set 2 macro / micro: 0.6801, 0.6342
Recall on the OOD test set 2 macro / micro: 0.6335, 0.6342
F1 on the OOD test set 2 macro / micro: 0.6161, 0.6342
Latex: 63.42 & 68.01 & 63.35 & 61.61

Accuracy on the dev set: 0.9504
Precision on the dev set macro / micro: 0.9535, 0.9504
Recall on the dev macro / micro: 0.9473, 0.9504
F1 on the dev macro / micro: 0.9501, 0.9504
Latex: 95.04 & 95.35 & 94.73 & 95.01

///
--mode=0 --dropout=0.6 --lr=0.001 --node_emb_dim=32
Accuracy on the OOD test set 2: 0.6645
Precision on the OOD test set 2 macro / micro: 0.6947, 0.6645
Recall on the OOD test set 2 macro / micro: 0.6641, 0.6645
F1 on the OOD test set 2 macro / micro: 0.6566, 0.6645
Latex: 66.45 & 69.47 & 66.41 & 65.66

Accuracy on the dev set: 0.9381
Precision on the dev set macro / micro: 0.9399, 0.9381
Recall on the dev macro / micro: 0.9346, 0.9381
F1 on the dev macro / micro: 0.9368, 0.9381
Latex: 93.81 & 93.99 & 93.46 & 93.68

///
--mode=0 --dropout=0.6 --lr=0.001 --node_emb_dim=64
Accuracy on the OOD test set 2: 0.6106
Precision on the OOD test set 2 macro / micro: 0.4674, 0.6106
Recall on the OOD test set 2 macro / micro: 0.6088, 0.6106
F1 on the OOD test set 2 macro / micro: 0.5249, 0.6106
Latex: 61.06 & 46.74 & 60.88 & 52.49

Accuracy on the dev set: 0.8132
Precision on the dev set macro / micro: 0.6102, 0.8132
Recall on the dev macro / micro: 0.7148, 0.8132
F1 on the dev macro / micro: 0.6573, 0.8132
Latex: 81.32 & 61.02 & 71.48 & 65.73

```
/////////////////////////////////////////////////////////////////////////////////////////
--mode=0 --dropout=0.6 --lr=0.0001 --node_emb_dim=8
Accuracy on the OOD test set 2: 0.5008
Precision on the OOD test set 2 macro / micro: 0.4361, 0.5008
Recall on the OOD test set 2 macro / micro: 0.5002, 0.5008
F1 on the OOD test set 2 macro / micro: 0.4319, 0.5008
Latex: 50.08 & 43.61 & 50.02 & 43.19
----------------------------------------------------------------------
Accuracy on the dev set: 0.8083
Precision on the dev set macro / micro: 0.6016, 0.8083
Recall on the dev macro / micro: 0.7118, 0.8083
F1 on the dev macro / micro: 0.6500, 0.8083
Latex: 80.83 & 60.16 & 71.18 & 65.00


/////////////////////////////////////////////////////////////////////////////////////////
--mode=0 --dropout=0.6 --lr=0.0001 --node_emb_dim=16
Accuracy on the OOD test set 2: 0.5325
Precision on the OOD test set 2 macro / micro: 0.5822, 0.5325
Recall on the OOD test set 2 macro / micro: 0.5330, 0.5325
F1 on the OOD test set 2 macro / micro: 0.5182, 0.5325
Latex: 53.25 & 58.22 & 53.30 & 51.82
----------------------------------------------------------------------
Accuracy on the dev set: 0.7479
Precision on the dev set macro / micro: 0.7896, 0.7479
Recall on the dev macro / micro: 0.7359, 0.7479
F1 on the dev macro / micro: 0.7095, 0.7479
Latex: 74.79 & 78.96 & 73.59 & 70.95


/////////////////////////////////////////////////////////////////////////////////////////
--mode=0 --dropout=0.6 --lr=0.0001 --node_emb_dim=32
Accuracy on the OOD test set 2: 0.5719
Precision on the OOD test set 2 macro / micro: 0.4443, 0.5719
Recall on the OOD test set 2 macro / micro: 0.5705, 0.5719
F1 on the OOD test set 2 macro / micro: 0.4932, 0.5719
Latex: 57.19 & 44.43 & 57.05 & 49.32
----------------------------------------------------------------------
Accuracy on the dev set: 0.8200
Precision on the dev set macro / micro: 0.6123, 0.8200
Recall on the dev macro / micro: 0.7208, 0.8200
F1 on the dev macro / micro: 0.6618, 0.8200
```

Latex: 82.00 & 61.23 & 72.08 & 66.18

//
--mode=0 --dropout=0.6 --lr=0.0001 --node_emb_dim=64
Accuracy on the OOD test set 2: 0.6389
Precision on the OOD test set 2 macro / micro: 0.6406, 0.6389
Recall on the OOD test set 2 macro / micro: 0.6391, 0.6389
F1 on the OOD test set 2 macro / micro: 0.6367, 0.6389
Latex: 63.89 & 64.06 & 63.91 & 63.67

Accuracy on the dev set: 0.8804
Precision on the dev set macro / micro: 0.8664, 0.8804
Recall on the dev macro / micro: 0.8660, 0.8804
F1 on the dev macro / micro: 0.8649, 0.8804
Latex: 88.04 & 86.64 & 86.60 & 86.49

//
--mode=0 --dropout=0.7 --lr=0.1 --node_emb_dim=8
Accuracy on the OOD test set 2: 0.2526
Precision on the OOD test set 2 macro / micro: 0.0632, 0.2526
Recall on the OOD test set 2 macro / micro: 0.2500, 0.2526
F1 on the OOD test set 2 macro / micro: 0.1008, 0.2526
Latex: 25.26 & 6.32 & 25.00 & 10.08

Accuracy on the dev set: 0.3050
Precision on the dev set macro / micro: 0.0762, 0.3050
Recall on the dev macro / micro: 0.2500, 0.3050
F1 on the dev macro / micro: 0.1169, 0.3050
Latex: 30.50 & 7.62 & 25.00 & 11.69

//
--mode=0 --dropout=0.7 --lr=0.1 --node_emb_dim=16
Accuracy on the OOD test set 2: 0.2526
Precision on the OOD test set 2 macro / micro: 0.0632, 0.2526
Recall on the OOD test set 2 macro / micro: 0.2500, 0.2526
F1 on the OOD test set 2 macro / micro: 0.1008, 0.2526
Latex: 25.26 & 6.32 & 25.00 & 10.08

Accuracy on the dev set: 0.3050
Precision on the dev set macro / micro: 0.0762, 0.3050

Recall on the dev macro / micro: 0.2500, 0.3050
F1 on the dev macro / micro: 0.1169, 0.3050
Latex: 30.50 & 7.62 & 25.00 & 11.69

//
--mode=0 --dropout=0.7 --lr=0.1 --node_emb_dim=32
Accuracy on the OOD test set 2: 0.2526
Precision on the OOD test set 2 macro / micro: 0.0632, 0.2526
Recall on the OOD test set 2 macro / micro: 0.2500, 0.2526
F1 on the OOD test set 2 macro / micro: 0.1008, 0.2526
Latex: 25.26 & 6.32 & 25.00 & 10.08

Accuracy on the dev set: 0.3050
Precision on the dev set macro / micro: 0.0762, 0.3050
Recall on the dev macro / micro: 0.2500, 0.3050
F1 on the dev macro / micro: 0.1169, 0.3050
Latex: 30.50 & 7.62 & 25.00 & 11.69

//
--mode=0 --dropout=0.7 --lr=0.1 --node_emb_dim=64
Accuracy on the OOD test set 2: 0.2526
Precision on the OOD test set 2 macro / micro: 0.0632, 0.2526
Recall on the OOD test set 2 macro / micro: 0.2500, 0.2526
F1 on the OOD test set 2 macro / micro: 0.1008, 0.2526
Latex: 25.26 & 6.32 & 25.00 & 10.08

Accuracy on the dev set: 0.3050
Precision on the dev set macro / micro: 0.0762, 0.3050
Recall on the dev macro / micro: 0.2500, 0.3050
F1 on the dev macro / micro: 0.1169, 0.3050
Latex: 30.50 & 7.62 & 25.00 & 11.69

//
--mode=0 --dropout=0.7 --lr=0.01 --node_emb_dim=8
Accuracy on the OOD test set 2: 0.4207
Precision on the OOD test set 2 macro / micro: 0.2112, 0.4207
Recall on the OOD test set 2 macro / micro: 0.4163, 0.4207
F1 on the OOD test set 2 macro / micro: 0.2799, 0.4207
Latex: 42.07 & 21.12 & 41.63 & 27.99

Accuracy on the dev set: 0.5941
Precision on the dev set macro / micro: 0.2983, 0.5941
Recall on the dev macro / micro: 0.4671, 0.5941
F1 on the dev macro / micro: 0.3635, 0.5941
Latex: 59.41 & 29.83 & 46.71 & 36.35

//
--mode=0 --dropout=0.7 --lr=0.01 --node_emb_dim=16
Accuracy on the OOD test set 2: 0.2748
Precision on the OOD test set 2 macro / micro: 0.1691, 0.2748
Recall on the OOD test set 2 macro / micro: 0.2720, 0.2748
F1 on the OOD test set 2 macro / micro: 0.1482, 0.2748
Latex: 27.48 & 16.91 & 27.20 & 14.82

Accuracy on the dev set: 0.3812
Precision on the dev set macro / micro: 0.2661, 0.3812
Recall on the dev macro / micro: 0.3069, 0.3812
F1 on the dev macro / micro: 0.2213, 0.3812
Latex: 38.12 & 26.61 & 30.69 & 22.13

//
--mode=0 --dropout=0.7 --lr=0.01 --node_emb_dim=32
Accuracy on the OOD test set 2: 0.3479
Precision on the OOD test set 2 macro / micro: 0.1837, 0.3479
Recall on the OOD test set 2 macro / micro: 0.3443, 0.3479
F1 on the OOD test set 2 macro / micro: 0.2316, 0.3479
Latex: 34.79 & 18.37 & 34.43 & 23.16

Accuracy on the dev set: 0.4146
Precision on the dev set macro / micro: 0.2260, 0.4146
Recall on the dev macro / micro: 0.3307, 0.4146
F1 on the dev macro / micro: 0.2510, 0.4146
Latex: 41.46 & 22.60 & 33.07 & 25.10

//
--mode=0 --dropout=0.7 --lr=0.01 --node_emb_dim=64
Accuracy on the OOD test set 2: 0.2526
Precision on the OOD test set 2 macro / micro: 0.0632, 0.2526
Recall on the OOD test set 2 macro / micro: 0.2500, 0.2526
F1 on the OOD test set 2 macro / micro: 0.1008, 0.2526

Latex: 25.26 & 6.32 & 25.00 & 10.08

Accuracy on the dev set: 0.3050

Precision on the dev set macro / micro: 0.0762, 0.3050

Recall on the dev macro / micro: 0.2500, 0.3050

F1 on the dev macro / micro: 0.1169, 0.3050

Latex: 30.50 & 7.62 & 25.00 & 11.69

//

--mode=0 --dropout=0.7 --lr=0.001 --node_emb_dim=8

Accuracy on the OOD test set 2: 0.7265

Precision on the OOD test set 2 macro / micro: 0.7281, 0.7265

Recall on the OOD test set 2 macro / micro: 0.7267, 0.7265

F1 on the OOD test set 2 macro / micro: 0.7245, 0.7265

Latex: 72.65 & 72.81 & 72.67 & 72.45

Accuracy on the dev set: 0.9588

Precision on the dev set macro / micro: 0.9600, 0.9588

Recall on the dev macro / micro: 0.9551, 0.9588

F1 on the dev macro / micro: 0.9566, 0.9588

Latex: 95.88 & 96.00 & 95.51 & 95.66

//

--mode=0 --dropout=0.7 --lr=0.001 --node_emb_dim=16

Accuracy on the OOD test set 2: 0.6750

Precision on the OOD test set 2 macro / micro: 0.6996, 0.6750

Recall on the OOD test set 2 macro / micro: 0.6745, 0.6750

F1 on the OOD test set 2 macro / micro: 0.6645, 0.6750

Latex: 67.50 & 69.96 & 67.45 & 66.45

Accuracy on the dev set: 0.9475

Precision on the dev set macro / micro: 0.9450, 0.9475

Recall on the dev macro / micro: 0.9442, 0.9475

F1 on the dev macro / micro: 0.9445, 0.9475

Latex: 94.75 & 94.50 & 94.42 & 94.45

//

--mode=0 --dropout=0.7 --lr=0.001 --node_emb_dim=32

Accuracy on the OOD test set 2: 0.6625

Precision on the OOD test set 2 macro / micro: 0.6879, 0.6625

Recall on the OOD test set 2 macro / micro: 0.6616, 0.6625
F1 on the OOD test set 2 macro / micro: 0.6419, 0.6625
Latex: 66.25 & 68.79 & 66.16 & 64.19

Accuracy on the dev set: 0.9660
Precision on the dev set macro / micro: 0.9672, 0.9660
Recall on the dev macro / micro: 0.9625, 0.9660
F1 on the dev macro / micro: 0.9648, 0.9660
Latex: 96.60 & 96.72 & 96.25 & 96.48

//
--mode=0 --dropout=0.7 --lr=0.001 --node_emb_dim=64
Accuracy on the OOD test set 2: 0.5918
Precision on the OOD test set 2 macro / micro: 0.4479, 0.5918
Recall on the OOD test set 2 macro / micro: 0.5895, 0.5918
F1 on the OOD test set 2 macro / micro: 0.5081, 0.5918
Latex: 59.18 & 44.79 & 58.95 & 50.81

Accuracy on the dev set: 0.7791
Precision on the dev set macro / micro: 0.5818, 0.7791
Recall on the dev macro / micro: 0.6790, 0.7791
F1 on the dev macro / micro: 0.6246, 0.7791
Latex: 77.91 & 58.18 & 67.90 & 62.46

//
--mode=0 --dropout=0.7 --lr=0.0001 --node_emb_dim=8
Accuracy on the OOD test set 2: 0.5076
Precision on the OOD test set 2 macro / micro: 0.4387, 0.5076
Recall on the OOD test set 2 macro / micro: 0.5069, 0.5076
F1 on the OOD test set 2 macro / micro: 0.4393, 0.5076
Latex: 50.76 & 43.87 & 50.69 & 43.93

Accuracy on the dev set: 0.8103
Precision on the dev set macro / micro: 0.6040, 0.8103
Recall on the dev macro / micro: 0.7147, 0.8103
F1 on the dev macro / micro: 0.6517, 0.8103
Latex: 81.03 & 60.40 & 71.47 & 65.17

//
--mode=0 --dropout=0.7 --lr=0.0001 --node_emb_dim=16

Accuracy on the OOD test set 2: 0.6143
Precision on the OOD test set 2 macro / micro: 0.6403, 0.6143
Recall on the OOD test set 2 macro / micro: 0.6157, 0.6143
F1 on the OOD test set 2 macro / micro: 0.6113, 0.6143
Latex: 61.43 & 64.03 & 61.57 & 61.13

Accuracy on the dev set: 0.9332
Precision on the dev set macro / micro: 0.9225, 0.9332
Recall on the dev macro / micro: 0.9310, 0.9332
F1 on the dev macro / micro: 0.9249, 0.9332
Latex: 93.32 & 92.25 & 93.10 & 92.49

//
--mode=0 --dropout=0.7 --lr=0.0001 --node_emb_dim=32
Accuracy on the OOD test set 2: 0.4032
Precision on the OOD test set 2 macro / micro: 0.4722, 0.4032
Recall on the OOD test set 2 macro / micro: 0.3990, 0.4032
F1 on the OOD test set 2 macro / micro: 0.2726, 0.4032
Latex: 40.32 & 47.22 & 39.90 & 27.26

Accuracy on the dev set: 0.5892
Precision on the dev set macro / micro: 0.6527, 0.5892
Recall on the dev macro / micro: 0.4658, 0.5892
F1 on the dev macro / micro: 0.3805, 0.5892
Latex: 58.92 & 65.27 & 46.58 & 38.05

//
--mode=0 --dropout=0.7 --lr=0.0001 --node_emb_dim=64
Accuracy on the OOD test set 2: 0.6362
Precision on the OOD test set 2 macro / micro: 0.6633, 0.6362
Recall on the OOD test set 2 macro / micro: 0.6373, 0.6362
F1 on the OOD test set 2 macro / micro: 0.6352, 0.6362
Latex: 63.62 & 66.33 & 63.73 & 63.52

Accuracy on the dev set: 0.9106
Precision on the dev set macro / micro: 0.8949, 0.9106
Recall on the dev macro / micro: 0.9068, 0.9106
F1 on the dev macro / micro: 0.8971, 0.9106
Latex: 91.06 & 89.49 & 90.68 & 89.71

```
/////////////////////////////////////////////////////////////////////////////////////////////////////
--mode=0 --dropout=0.8 --lr=0.1 --node_emb_dim=8
Accuracy on the OOD test set 2: 0.2526
Precision on the OOD test set 2 macro / micro: 0.0632, 0.2526
Recall on the OOD test set 2 macro / micro: 0.2500, 0.2526
F1 on the OOD test set 2 macro / micro: 0.1008, 0.2526
Latex: 25.26 &  6.32 & 25.00 & 10.08
---------------------------------------------------------------------
Accuracy on the dev set: 0.3050
Precision on the dev set macro / micro: 0.0762, 0.3050
Recall on the dev macro / micro: 0.2500, 0.3050
F1 on the dev macro / micro: 0.1169, 0.3050
Latex: 30.50 &  7.62 & 25.00 & 11.69


/////////////////////////////////////////////////////////////////////////////////////////////////////
--mode=0 --dropout=0.8 --lr=0.1 --node_emb_dim=16
Accuracy on the OOD test set 2: 0.2526
Precision on the OOD test set 2 macro / micro: 0.0632, 0.2526
Recall on the OOD test set 2 macro / micro: 0.2500, 0.2526
F1 on the OOD test set 2 macro / micro: 0.1008, 0.2526
Latex: 25.26 &  6.32 & 25.00 & 10.08
---------------------------------------------------------------------
Accuracy on the dev set: 0.3050
Precision on the dev set macro / micro: 0.0762, 0.3050
Recall on the dev macro / micro: 0.2500, 0.3050
F1 on the dev macro / micro: 0.1169, 0.3050
Latex: 30.50 &  7.62 & 25.00 & 11.69


/////////////////////////////////////////////////////////////////////////////////////////////////////
--mode=0 --dropout=0.8 --lr=0.1 --node_emb_dim=32
Accuracy on the OOD test set 2: 0.2526
Precision on the OOD test set 2 macro / micro: 0.0632, 0.2526
Recall on the OOD test set 2 macro / micro: 0.2500, 0.2526
F1 on the OOD test set 2 macro / micro: 0.1008, 0.2526
Latex: 25.26 &  6.32 & 25.00 & 10.08
---------------------------------------------------------------------
Accuracy on the dev set: 0.3050
Precision on the dev set macro / micro: 0.0762, 0.3050
Recall on the dev macro / micro: 0.2500, 0.3050
F1 on the dev macro / micro: 0.1169, 0.3050
Latex: 30.50 &  7.62 & 25.00 & 11.69
```

//
--mode=0 --dropout=0.8 --lr=0.1 --node_emb_dim=64
Accuracy on the OOD test set 2: 0.2526
Precision on the OOD test set 2 macro / micro: 0.0632, 0.2526
Recall on the OOD test set 2 macro / micro: 0.2500, 0.2526
F1 on the OOD test set 2 macro / micro: 0.1008, 0.2526
Latex: 25.26 & 6.32 & 25.00 & 10.08

Accuracy on the dev set: 0.3050
Precision on the dev set macro / micro: 0.0762, 0.3050
Recall on the dev macro / micro: 0.2500, 0.3050
F1 on the dev macro / micro: 0.1169, 0.3050
Latex: 30.50 & 7.62 & 25.00 & 11.69

//
--mode=0 --dropout=0.8 --lr=0.01 --node_emb_dim=8
Accuracy on the OOD test set 2: 0.2526
Precision on the OOD test set 2 macro / micro: 0.0632, 0.2526
Recall on the OOD test set 2 macro / micro: 0.2500, 0.2526
F1 on the OOD test set 2 macro / micro: 0.1008, 0.2526
Latex: 25.26 & 6.32 & 25.00 & 10.08

Accuracy on the dev set: 0.3052
Precision on the dev set macro / micro: 0.3263, 0.3052
Recall on the dev macro / micro: 0.2502, 0.3052
F1 on the dev macro / micro: 0.1172, 0.3052
Latex: 30.52 & 32.63 & 25.02 & 11.72

//
--mode=0 --dropout=0.8 --lr=0.01 --node_emb_dim=16
Accuracy on the OOD test set 2: 0.3398
Precision on the OOD test set 2 macro / micro: 0.1910, 0.3398
Recall on the OOD test set 2 macro / micro: 0.3363, 0.3398
F1 on the OOD test set 2 macro / micro: 0.2189, 0.3398
Latex: 33.98 & 19.10 & 33.63 & 21.89

Accuracy on the dev set: 0.4668
Precision on the dev set macro / micro: 0.2737, 0.4668
Recall on the dev macro / micro: 0.3710, 0.4668

F1 on the dev macro / micro: 0.2917, 0.4668
Latex: 46.68 & 27.37 & 37.10 & 29.17

//
--mode=0 --dropout=0.8 --lr=0.01 --node_emb_dim=32
Accuracy on the OOD test set 2: 0.2526
Precision on the OOD test set 2 macro / micro: 0.0632, 0.2526
Recall on the OOD test set 2 macro / micro: 0.2500, 0.2526
F1 on the OOD test set 2 macro / micro: 0.1008, 0.2526
Latex: 25.26 & 6.32 & 25.00 & 10.08

Accuracy on the dev set: 0.3051
Precision on the dev set macro / micro: 0.1421, 0.3051
Recall on the dev macro / micro: 0.2501, 0.3051
F1 on the dev macro / micro: 0.1177, 0.3051
Latex: 30.51 & 14.21 & 25.01 & 11.77

//
--mode=0 --dropout=0.8 --lr=0.01 --node_emb_dim=64
Accuracy on the OOD test set 2: 0.2526
Precision on the OOD test set 2 macro / micro: 0.0632, 0.2526
Recall on the OOD test set 2 macro / micro: 0.2500, 0.2526
F1 on the OOD test set 2 macro / micro: 0.1008, 0.2526
Latex: 25.26 & 6.32 & 25.00 & 10.08

Accuracy on the dev set: 0.3050
Precision on the dev set macro / micro: 0.0762, 0.3050
Recall on the dev macro / micro: 0.2500, 0.3050
F1 on the dev macro / micro: 0.1169, 0.3050
Latex: 30.50 & 7.62 & 25.00 & 11.69

//
--mode=0 --dropout=0.8 --lr=0.001 --node_emb_dim=8
Accuracy on the OOD test set 2: 0.5079
Precision on the OOD test set 2 macro / micro: 0.5556, 0.5079
Recall on the OOD test set 2 macro / micro: 0.5084, 0.5079
F1 on the OOD test set 2 macro / micro: 0.4839, 0.5079
Latex: 50.79 & 55.56 & 50.84 & 48.39

Accuracy on the dev set: 0.7000

Precision on the dev set macro / micro: 0.7443, 0.7000
Recall on the dev macro / micro: 0.6961, 0.7000
F1 on the dev macro / micro: 0.6502, 0.7000
Latex: 70.00 & 74.43 & 69.61 & 65.02

//
--mode=0 --dropout=0.8 --lr=0.001 --node_emb_dim=16
Accuracy on the OOD test set 2: 0.6730
Precision on the OOD test set 2 macro / micro: 0.7018, 0.6730
Recall on the OOD test set 2 macro / micro: 0.6728, 0.6730
F1 on the OOD test set 2 macro / micro: 0.6656, 0.6730
Latex: 67.30 & 70.18 & 67.28 & 66.56

Accuracy on the dev set: 0.9731
Precision on the dev set macro / micro: 0.9741, 0.9731
Recall on the dev macro / micro: 0.9707, 0.9731
F1 on the dev macro / micro: 0.9724, 0.9731
Latex: 97.31 & 97.41 & 97.07 & 97.24

//
--mode=0 --dropout=0.8 --lr=0.001 --node_emb_dim=32
Accuracy on the OOD test set 2: 0.6440
Precision on the OOD test set 2 macro / micro: 0.6731, 0.6440
Recall on the OOD test set 2 macro / micro: 0.6431, 0.6440
F1 on the OOD test set 2 macro / micro: 0.6183, 0.6440
Latex: 64.40 & 67.31 & 64.31 & 61.83

Accuracy on the dev set: 0.9730
Precision on the dev set macro / micro: 0.9747, 0.9730
Recall on the dev macro / micro: 0.9693, 0.9730
F1 on the dev macro / micro: 0.9719, 0.9730
Latex: 97.30 & 97.47 & 96.93 & 97.19

//
--mode=0 --dropout=0.8 --lr=0.001 --node_emb_dim=64
Accuracy on the OOD test set 2: 0.6373
Precision on the OOD test set 2 macro / micro: 0.6733, 0.6373
Recall on the OOD test set 2 macro / micro: 0.6371, 0.6373
F1 on the OOD test set 2 macro / micro: 0.6261, 0.6373
Latex: 63.73 & 67.33 & 63.71 & 62.61

Accuracy on the dev set: 0.9658
Precision on the dev set macro / micro: 0.9663, 0.9658
Recall on the dev macro / micro: 0.9629, 0.9658
F1 on the dev macro / micro: 0.9645, 0.9658
Latex: 96.58 & 96.63 & 96.29 & 96.45

///
--mode=0 --dropout=0.8 --lr=0.0001 --node_emb_dim=8
Accuracy on the OOD test set 2: 0.4372
Precision on the OOD test set 2 macro / micro: 0.4189, 0.4372
Recall on the OOD test set 2 macro / micro: 0.4374, 0.4372
F1 on the OOD test set 2 macro / micro: 0.3729, 0.4372
Latex: 43.72 & 41.89 & 43.74 & 37.29

Accuracy on the dev set: 0.7876
Precision on the dev set macro / micro: 0.6059, 0.7876
Recall on the dev macro / micro: 0.6987, 0.7876
F1 on the dev macro / micro: 0.6372, 0.7876
Latex: 78.76 & 60.59 & 69.87 & 63.72

///
--mode=0 --dropout=0.8 --lr=0.0001 --node_emb_dim=16
Accuracy on the OOD test set 2: 0.6140
Precision on the OOD test set 2 macro / micro: 0.6157, 0.6140
Recall on the OOD test set 2 macro / micro: 0.6142, 0.6140
F1 on the OOD test set 2 macro / micro: 0.6114, 0.6140
Latex: 61.40 & 61.57 & 61.42 & 61.14

Accuracy on the dev set: 0.9428
Precision on the dev set macro / micro: 0.9383, 0.9428
Recall on the dev macro / micro: 0.9339, 0.9428
F1 on the dev macro / micro: 0.9340, 0.9428
Latex: 94.28 & 93.83 & 93.39 & 93.40

///
--mode=0 --dropout=0.8 --lr=0.0001 --node_emb_dim=32
Accuracy on the OOD test set 2: 0.7194
Precision on the OOD test set 2 macro / micro: 0.7268, 0.7194
Recall on the OOD test set 2 macro / micro: 0.7196, 0.7194

F1 on the OOD test set 2 macro / micro: 0.7172, 0.7194
Latex: 71.94 & 72.68 & 71.96 & 71.72

Accuracy on the dev set: 0.9727
Precision on the dev set macro / micro: 0.9721, 0.9727
Recall on the dev macro / micro: 0.9706, 0.9727
F1 on the dev macro / micro: 0.9712, 0.9727
Latex: 97.27 & 97.21 & 97.06 & 97.12

//
--mode=0 --dropout=0.8 --lr=0.0001 --node_emb_dim=64
Accuracy on the OOD test set 2: 0.5770
Precision on the OOD test set 2 macro / micro: 0.4594, 0.5770
Recall on the OOD test set 2 macro / micro: 0.5756, 0.5770
F1 on the OOD test set 2 macro / micro: 0.4998, 0.5770
Latex: 57.70 & 45.94 & 57.56 & 49.98

Accuracy on the dev set: 0.8248
Precision on the dev set macro / micro: 0.6132, 0.8248
Recall on the dev macro / micro: 0.7273, 0.8248
F1 on the dev macro / micro: 0.6644, 0.8248
Latex: 82.48 & 61.32 & 72.73 & 66.44