0 abalone N: 4177 d: 8 c: 3

best acc: 0.6652298850574713 C: 10.0 dep: 1 fix: 1

acc: 0.6549329501915708

1 acute-inflammation N: 120 d: 6 c: 2

best acc: 1.0 C: 0.01 dep: 0 fix: 0

acc: 1.0

2 acute-nephritis N: 120 d: 6 c: 2

best acc: 1.0 C: 0.1 dep: 0 fix: 0

acc: 1.0

5 arrhythmia N: 452 d: 262 c: 13

best acc: 0.6902654867256637 C: 0.01 dep: 1 fix: 0

acc: 0.7190265486725664

7 balance-scale N: 625 d: 4 c: 3

best acc: 0.9743589743589743 C: 10.0 dep: 1 fix: 0

acc: 0.983974358974359

8 balloons N: 16 d: 4 c: 2

best acc: 1.0 C: 1.0 dep: 1 fix: 0

acc: 1.0

9 bank N: 4521 d: 16 c: 2

best acc: 0.8938053097345132 C: 1.0 dep: 4 fix: 1

acc: 0.8986725663716814

10 blood N: 748 d: 4 c: 2

best acc: 0.7780748663101604 C: 1.0 dep: 3 fix: 0

acc: 0.7927807486631017

11 breast-cancer N: 286 d: 9 c: 2

best acc: 0.7692307692307693 C: 1.0 dep: 1 fix: 1

acc: 0.7359154929577464

12 breast-cancer-wisc N: 699 d: 9 c: 2

best acc: 0.9713467048710601 C: 1.0 dep: 2 fix: 1

acc: 0.9728571428571429

13 breast-cancer-wisc-diag N: 569 d: 30 c: 2

best acc: 0.9929577464788732 C: 1.0 dep: 3 fix: 0

acc: 0.9683098591549296

14 breast-cancer-wisc-prog N: 198 d: 33 c: 2

best acc: 0.8181818181818182 C: 0.1 dep: 2 fix: 1

acc: 0.8061224489795917

15 breast-tissue N: 106 d: 9 c: 6

best acc: 0.7547169811320755 C: 10.0 dep: 3 fix: 1

acc: 0.7019230769230769

16 car N: 1728 d: 6 c: 4

best acc: 0.9803240740740741 C: 100.0 dep: 4 fix: 4

acc: 0.9855324074074074

17 cardiotocography-10clases N: 2126 d: 21 c: 10

best acc: 0.8240827845719662 C: 1.0 dep: 2 fix: 0

acc: 0.8611111111111112

18 cardiotocography-3clases N: 2126 d: 21 c: 3

best acc: 0.9322671683913453 C: 1000.0 dep: 3 fix: 3

acc: 0.9307909604519774

20 chess-krvkp N: 3196 d: 36 c: 2

best acc: 0.9918648310387985 C: 10.0 dep: 1 fix: 1

acc: 0.9912390488110138

21 congressional-voting N: 435 d: 16 c: 2

best acc: 0.6267281105990783 C: 0.01 dep: 0 fix: 0

acc: 0.6192660550458715

22 conn-bench-sonar-mines-rocks N: 208 d: 60 c: 2

best acc: 0.8269230769230769 C: 0.1 dep: 1 fix: 0

acc: 0.8509615384615384

25 contrac N: 1473 d: 9 c: 3

best acc: 0.5421195652173914 C: 0.1 dep: 1 fix: 1

acc: 0.5360054347826088

26 credit-approval N: 690 d: 15 c: 2

best acc: 0.8956521739130435 C: 0.1 dep: 4 fix: 1

acc: 0.8648255813953487

27 cylinder-bands N: 512 d: 35 c: 2

best acc: 0.8125 C: 1.0 dep: 1 fix: 0

acc: 0.783203125

28 dermatology N: 366 d: 34 c: 6

best acc: 0.994535519125683 C: 10.0 dep: 0 fix: 0

acc: 0.9697802197802199

29 echocardiogram N: 131 d: 10 c: 2

best acc: 0.8923076923076924 C: 1.0 dep: 2 fix: 2

acc: 0.8560606060606061

30 ecoli N: 336 d: 7 c: 8

best acc: 0.8690476190476191 C: 0.1 dep: 0 fix: 0

acc: 0.8660714285714286

31 energy-y1 N: 768 d: 8 c: 3

best acc: 0.9192708333333334 C: 1000.0 dep: 1 fix: 1

acc: 0.9505208333333333

32 energy-y2 N: 768 d: 8 c: 3

best acc: 0.9192708333333334 C: 1.0 dep: 1 fix: 0

acc: 0.87890625

33 fertility N: 100 d: 9 c: 2

best acc: 0.92 C: 1.0 dep: 1 fix: 1

acc: 0.88

34 flags N: 194 d: 28 c: 8

best acc: 0.5670103092783505 C: 1.0 dep: 4 fix: 0

acc: 0.5

35 glass N: 214 d: 9 c: 6

best acc: 0.7383177570093458 C: 10.0 dep: 1 fix: 0

acc: 0.6839622641509434

36 haberman-survival N: 306 d: 3 c: 2

best acc: 0.738562091503268 C: 0.01 dep: 0 fix: 0

acc: 0.7368421052631579

38 heart-cleveland N: 303 d: 13 c: 5

best acc: 0.609271523178808 C: 0.1 dep: 1 fix: 0

acc: 0.5953947368421052

39 heart-hungarian N: 294 d: 12 c: 2

best acc: 0.8979591836734694 C: 1.0 dep: 2 fix: 2

acc: 0.8595890410958903

40 heart-switzerland N: 123 d: 12 c: 5

best acc: 0.4262295081967213 C: 0.1 dep: 0 fix: 0

acc: 0.47580645161290325

41 heart-va N: 200 d: 12 c: 5

best acc: 0.37 C: 0.1 dep: 0 fix: 0

acc: 0.335

42 hepatitis N: 155 d: 19 c: 2

best acc: 0.8051948051948052 C: 10.0 dep: 2 fix: 2

acc: 0.8205128205128205

45 ilpd-indian-liver N: 583 d: 9 c: 2

best acc: 0.7216494845360825 C: 1.0 dep: 3 fix: 1

acc: 0.7277397260273972

47 ionosphere N: 351 d: 33 c: 2

best acc: 0.9542857142857143 C: 1.0 dep: 2 fix: 1

acc: 0.9488636363636364

48 iris N: 150 d: 4 c: 3

best acc: 0.9866666666666667 C: 0.1 dep: 0 fix: 0

acc: 0.972972972972973

49 led-display N: 1000 d: 7 c: 10

best acc: 0.72 C: 0.1 dep: 4 fix: 2

acc: 0.742

50 lenses N: 24 d: 4 c: 3

best acc: 0.8333333333333334 C: 1.0 dep: 3 fix: 1

acc: 0.8333333333333333

52 libras N: 360 d: 90 c: 15

best acc: 0.7888888888888889 C: 10.0 dep: 3 fix: 3

acc: 0.8583333333333333

53 low-res-spect N: 531 d: 100 c: 9

best acc: 0.9056603773584906 C: 0.1 dep: 0 fix: 0

acc: 0.93796992481203

54 lung-cancer N: 32 d: 56 c: 3

best acc: 0.6875 C: 0.1 dep: 3 fix: 0

acc: 0.53125

55 lymphography N: 148 d: 18 c: 4

best acc: 0.8513513513513513 C: 1.0 dep: 2 fix: 1

acc: 0.8716216216216216

57 mammographic N: 961 d: 5 c: 2

best acc: 0.8354166666666667 C: 1.0 dep: 1 fix: 0

acc: 0.8104166666666666

59 molec-biol-promoter N: 106 d: 57 c: 2

best acc: 0.8490566037735849 C: 1.0 dep: 4 fix: 2

acc: 0.8846153846153846

61 molec-biol-splice N: 3190 d: 60 c: 3

best acc: 0.8551724137931035 C: 10.0 dep: 4 fix: 4

acc: 0.8701380175658721

66 musk-1 N: 476 d: 166 c: 2

best acc: 0.8991596638655462 C: 0.1 dep: 4 fix: 2

acc: 0.8781512605042017

69 oocytes\_merluccius\_nucleus\_4d N: 1022 d: 41 c: 2

best acc: 0.8454011741682974 C: 10.0 dep: 3 fix: 3

acc: 0.8411764705882353

70 oocytes\_merluccius\_states\_2f N: 1022 d: 25 c: 3

best acc: 0.9315068493150684 C: 10.0 dep: 3 fix: 0

acc: 0.9294117647058824

71 oocytes\_trisopterus\_nucleus\_2f N: 912 d: 25 c: 2

best acc: 0.8267543859649122 C: 10.0 dep: 1 fix: 1

acc: 0.8662280701754386

72 oocytes\_trisopterus\_states\_5b N: 912 d: 32 c: 3

best acc: 0.9385964912280702 C: 10.0 dep: 1 fix: 1

acc: 0.944078947368421

74 ozone N: 2536 d: 72 c: 2

best acc: 0.9716088328075709 C: 0.01 dep: 0 fix: 0

acc: 0.9716088328075709

76 parkinsons N: 195 d: 22 c: 2

best acc: 0.9484536082474226 C: 10.0 dep: 1 fix: 1

acc: 0.9183673469387754

78 pima N: 768 d: 8 c: 2

best acc: 0.7838541666666666 C: 0.1 dep: 3 fix: 2

acc: 0.7552083333333334

79 pittsburg-bridges-MATERIAL N: 106 d: 7 c: 3

best acc: 0.8867924528301887 C: 0.1 dep: 0 fix: 0

acc: 0.9134615384615385

80 pittsburg-bridges-REL-L N: 103 d: 7 c: 3

best acc: 0.803921568627451 C: 10.0 dep: 4 fix: 2

acc: 0.7307692307692307

81 pittsburg-bridges-SPAN N: 92 d: 7 c: 3

best acc: 0.7391304347826086 C: 1.0 dep: 0 fix: 0

acc: 0.7173913043478262

82 pittsburg-bridges-T-OR-D N: 102 d: 7 c: 2

best acc: 0.8823529411764706 C: 1.0 dep: 0 fix: 0

acc: 0.8400000000000001

83 pittsburg-bridges-TYPE N: 105 d: 7 c: 6

best acc: 0.6730769230769231 C: 1.0 dep: 2 fix: 0

acc: 0.7019230769230769

84 planning N: 182 d: 12 c: 2

best acc: 0.7252747252747253 C: 1.0 dep: 0 fix: 0

acc: 0.7111111111111111

85 plant-margin N: 1600 d: 64 c: 100

best acc: 0.8125 C: 0.1 dep: 0 fix: 0

acc: 0.838125

86 plant-shape N: 1600 d: 64 c: 100

best acc: 0.69125 C: 10.0 dep: 2 fix: 1

acc: 0.7318749999999999

87 plant-texture N: 1599 d: 64 c: 100

best acc: 0.8160200250312891 C: 1.0 dep: 1 fix: 1

acc: 0.849375

88 post-operative N: 90 d: 8 c: 3

best acc: 0.7111111111111111 C: 0.01 dep: 0 fix: 0

acc: 0.7272727272727273

89 primary-tumor N: 330 d: 17 c: 15

best acc: 0.47878787878787876 C: 1.0 dep: 3 fix: 2

acc: 0.5213414634146342

91 seeds N: 210 d: 7 c: 3

best acc: 0.9333333333333333 C: 10000.0 dep: 0 fix: 0

acc: 0.9278846153846154

92 semeion N: 1593 d: 256 c: 10

best acc: 0.9472361809045227 C: 1.0 dep: 4 fix: 4

acc: 0.9566582914572865

94 spambase N: 4601 d: 57 c: 2

[4]+ Killed python3 UCI.py -max\_tot 150000 -max\_dep 5 -file NTK\_outputs.csv

Killed

sai@sairog14:~/Desktop$ python3 UCI.py -file NTK\_outputs.csv

2 statlog-australian-credit N: 690 d: 14 c: 2

best acc: 0.6782608695652174 C: 0.01 dep: 0 fix: 0

acc: 0.6802325581395349

3 statlog-german-credit N: 1000 d: 24 c: 2

best acc: 0.772 C: 1.0 dep: 2 fix: 2

acc: 0.776

4 statlog-heart N: 270 d: 13 c: 2

best acc: 0.8814814814814815 C: 0.01 dep: 0 fix: 0

acc: 0.8805970149253731

5 statlog-image N: 2310 d: 18 c: 7

best acc: 0.9653679653679653 C: 10.0 dep: 1 fix: 0

acc: 0.9805025996533796

8 statlog-vehicle N: 846 d: 18 c: 4

best acc: 0.8156028368794326 C: 10.0 dep: 2 fix: 1

acc: 0.8341232227488151

9 steel-plates N: 1941 d: 27 c: 7

best acc: 0.7587628865979381 C: 1.0 dep: 4 fix: 1

acc: 0.7778350515463918

10 synthetic-control N: 600 d: 60 c: 6

best acc: 0.99 C: 1.0 dep: 2 fix: 2

acc: 0.995

11 teaching N: 151 d: 5 c: 3

best acc: 0.64 C: 10.0 dep: 1 fix: 1

acc: 0.5986842105263158

13 tic-tac-toe N: 958 d: 9 c: 2

best acc: 0.9916492693110647 C: 10.0 dep: 1 fix: 1

acc: 0.997907949790795

14 titanic N: 2201 d: 3 c: 2

best acc: 0.7863636363636364 C: 1.0 dep: 1 fix: 0

acc: 0.7895454545454546

15 trains N: 10 d: 29 c: 2

best acc: 0.6 C: 0.1 dep: 0 fix: 0

acc: 0.875

17 vertebral-column-2clases N: 310 d: 6 c: 2

best acc: 0.8516129032258064 C: 10.0 dep: 1 fix: 1

acc: 0.8603896103896104

18 vertebral-column-3clases N: 310 d: 6 c: 3

best acc: 0.864516129032258 C: 10.0 dep: 2 fix: 2

acc: 0.8409090909090909

20 waveform N: 5000 d: 21 c: 3

Killed

sai@sairog14:~/Desktop$ python3 UCI.py -file NTK\_outputs.csv

0 spambase N: 4601 d: 57 c: 2

best acc: 0.9391304347826087 C: 1.0 dep: 3 fix: 1

acc: 0.9452173913043479

2 waveform N: 5000 d: 21 c: 3

Killed

sai@sairog14:~/Desktop$ python3 UCI.py -file NTK\_outputs.csv

1 waveform-noise N: 5000 d: 40 c: 3

^Z

[3]+ Stopped python3 UCI.py -file NTK\_outputs.csv

sai@sairog14:~/Desktop$ python3 UCI.py -file NTK\_outputs.csv

1 wine N: 178 d: 13 c: 3

best acc: 0.9887640449438202 C: 0.1 dep: 1 fix: 0

acc: 0.9772727272727273

2 wine-quality-red N: 1599 d: 11 c: 6

best acc: 0.6245306633291614 C: 100.0 dep: 2 fix: 1

acc: 0.65625

3 wine-quality-white N: 4898 d: 11 c: 7

Killed

sai@sairog14:~/Desktop$ python3 UCI.py -file NTK\_outputs.csv

0 yeast N: 1484 d: 8 c: 10

best acc: 0.6078167115902965 C: 1.0 dep: 0 fix: 0

acc: 0.5977088948787062

1 zoo N: 101 d: 16 c: 7

best acc: 0.96 C: 0.1 dep: 0 fix: 0

acc: 0.96

avg\_acc: 77.88544474393531