80 images in training set

36 images in test1 set

40 images in test2 set

creating net

Training underway (going to 100 epochs)

Will save network every 100 epochs

0 0.0

epoch: 0% | learning rate: 0.300000

result on trainlist:

0% 80 0.314059%

result on testlist:

0% 36 0.325954%

epoch: 1% | learning rate: 0.300000

result on trainlist:

0% 80 0.305061%

result on testlist:

2.77778% 35 0.316368%

epoch: 2% | learning rate: 0.300000

result on trainlist:

0% 80 0.300514%

result on testlist:

2.77778% 35 0.312111%

epoch: 3% | learning rate: 0.300000

result on trainlist:

1.25% 79 0.29963%

result on testlist:

2.77778% 35 0.312603%

epoch: 4% | learning rate: 0.300000

result on trainlist:

2.5% 78 0.295829%

result on testlist:

2.77778% 35 0.310235%

epoch: 5% | learning rate: 0.300000

result on trainlist:

7.5% 74 0.291208%

result on testlist:

5.55556% 34 0.306853%

epoch: 6% | learning rate: 0.300000

result on trainlist:

12.5% 70 0.285941%

result on testlist:

5.55556% 34 0.302611%

epoch: 7% | learning rate: 0.300000

result on trainlist:

12.5% 70 0.27946%

result on testlist:

11.1111% 32 0.297096%

epoch: 8% | learning rate: 0.300000

result on trainlist:

16.25% 67 0.271733%

result on testlist:

13.8889% 31 0.290397%

epoch: 9% | learning rate: 0.300000

result on trainlist:

21.25% 63 0.262699%

result on testlist:

16.6667% 30 0.282486%

epoch: 10% | learning rate: 0.300000

result on trainlist:

23.75% 61 0.252086%

result on testlist:

16.6667% 30 0.273113%

epoch: 11% | learning rate: 0.300000

result on trainlist:

30% 56 0.240229%

result on testlist:

16.6667% 30 0.262575%

epoch: 12% | learning rate: 0.300000

result on trainlist:

31.25% 55 0.227688%

result on testlist:

22.2222% 28 0.25137%

epoch: 13% | learning rate: 0.300000

result on trainlist:

35% 52 0.215014%

result on testlist:

25% 27 0.240023%

epoch: 14% | learning rate: 0.300000

result on trainlist:

35% 52 0.202396%

result on testlist:

25% 27 0.228797%

epoch: 15% | learning rate: 0.300000

result on trainlist:

35% 52 0.189457%

result on testlist:

25% 27 0.217396%

epoch: 16% | learning rate: 0.300000

result on trainlist:

41.25% 47 0.176539%

result on testlist:

33.3333% 24 0.20605%

epoch: 17% | learning rate: 0.300000

result on trainlist:

43.75% 45 0.164629%

result on testlist:

36.1111% 23 0.195583%

epoch: 18% | learning rate: 0.300000

result on trainlist:

51.25% 39 0.15418%

result on testlist:

38.8889% 22 0.186369%

epoch: 19% | learning rate: 0.300000

result on trainlist:

55% 36 0.14512%

result on testlist:

41.6667% 21 0.178351%

epoch: 20% | learning rate: 0.300000

result on trainlist:

56.25% 35 0.137202%

result on testlist:

47.2222% 19 0.171333%

epoch: 21% | learning rate: 0.300000

result on trainlist:

60% 32 0.130181%

result on testlist:

47.2222% 19 0.165109%

epoch: 22% | learning rate: 0.300000

result on trainlist:

62.5% 30 0.123854%

result on testlist:

47.2222% 19 0.159492%

epoch: 23% | learning rate: 0.300000

result on trainlist:

66.25% 27 0.118064%

result on testlist:

55.5556% 16 0.154326%

epoch: 24% | learning rate: 0.300000

result on trainlist:

70% 24 0.112693%

result on testlist:

58.3333% 15 0.149489%

epoch: 25% | learning rate: 0.300000

result on trainlist:

73.75% 21 0.107658%

result on testlist:

61.1111% 14 0.144892%

epoch: 26% | learning rate: 0.300000

result on trainlist:

77.5% 18 0.102902%

result on testlist:

63.8889% 13 0.140481%

epoch: 27% | learning rate: 0.300000

result on trainlist:

78.75% 17 0.0983823%

result on testlist:

63.8889% 13 0.136221%

epoch: 28% | learning rate: 0.300000

result on trainlist:

82.5% 14 0.0940707%

result on testlist:

63.8889% 13 0.132098%

epoch: 29% | learning rate: 0.300000

result on trainlist:

82.5% 14 0.0899444%

result on testlist:

66.6667% 12 0.128102%

epoch: 30% | learning rate: 0.300000

result on trainlist:

85% 12 0.0859861%

result on testlist:

69.4444% 11 0.124233%

epoch: 31% | learning rate: 0.300000

result on trainlist:

88.75% 9 0.0821841%

result on testlist:

72.2222% 10 0.120493%

epoch: 32% | learning rate: 0.300000

result on trainlist:

88.75% 9 0.0785325%

result on testlist:

72.2222% 10 0.116888%

epoch: 33% | learning rate: 0.300000

result on trainlist:

92.5% 6 0.0750309%

result on testlist:

72.2222% 10 0.113424%

epoch: 34% | learning rate: 0.300000

result on trainlist:

93.75% 5 0.0716828%

result on testlist:

75% 9 0.110108%

epoch: 35% | learning rate: 0.300000

result on trainlist:

93.75% 5 0.0684935%

result on testlist:

75% 9 0.106942%

epoch: 36% | learning rate: 0.300000

result on trainlist:

93.75% 5 0.0654689%

result on testlist:

77.7778% 8 0.103931%

epoch: 37% | learning rate: 0.300000

result on trainlist:

93.75% 5 0.0626132%

result on testlist:

77.7778% 8 0.101073%

epoch: 38% | learning rate: 0.300000

result on trainlist:

95% 4 0.0599285%

result on testlist:

80.5556% 7 0.0983657%

epoch: 39% | learning rate: 0.300000

result on trainlist:

95% 4 0.0574144%

result on testlist:

80.5556% 7 0.0958046%

epoch: 40% | learning rate: 0.300000

result on trainlist:

95% 4 0.0550673%

result on testlist:

80.5556% 7 0.0933835%

epoch: 41% | learning rate: 0.300000

result on trainlist:

96.25% 3 0.0528814%

result on testlist:

80.5556% 7 0.0910956%

epoch: 42% | learning rate: 0.300000

result on trainlist:

96.25% 3 0.0508489%

result on testlist:

83.3333% 6 0.0889335%

epoch: 43% | learning rate: 0.300000

result on trainlist:

96.25% 3 0.0489608%

result on testlist:

83.3333% 6 0.0868896%

epoch: 44% | learning rate: 0.300000

result on trainlist:

96.25% 3 0.0472074%

result on testlist:

83.3333% 6 0.0849567%

epoch: 45% | learning rate: 0.300000

result on trainlist:

96.25% 3 0.0455794%

result on testlist:

83.3333% 6 0.0831282%

epoch: 46% | learning rate: 0.300000

result on trainlist:

97.5% 2 0.0440673%

result on testlist:

83.3333% 6 0.0813981%

epoch: 47% | learning rate: 0.300000

result on trainlist:

97.5% 2 0.0426626%

result on testlist:

86.1111% 5 0.079761%

epoch: 48% | learning rate: 0.300000

result on trainlist:

97.5% 2 0.0413571%

result on testlist:

86.1111% 5 0.0782118%

epoch: 49% | learning rate: 0.300000

result on trainlist:

97.5% 2 0.0401433%

result on testlist:

86.1111% 5 0.0767463%

epoch: 50% | learning rate: 0.300000

result on trainlist:

97.5% 2 0.0390141%

result on testlist:

86.1111% 5 0.0753604%

epoch: 51% | learning rate: 0.300000

result on trainlist:

97.5% 2 0.0379632%

result on testlist:

86.1111% 5 0.0740503%

epoch: 52% | learning rate: 0.300000

result on trainlist:

98.75% 1 0.0369847%

result on testlist:

86.1111% 5 0.0728124%

epoch: 53% | learning rate: 0.300000

result on trainlist:

100% 0 0.0360731%

result on testlist:

88.8889% 4 0.0716435%

epoch: 54% | learning rate: 0.300000

result on trainlist:

100% 0 0.0352233%

result on testlist:

88.8889% 4 0.0705402%

epoch: 55% | learning rate: 0.300000

result on trainlist:

100% 0 0.0344306%

result on testlist:

88.8889% 4 0.0694994%

epoch: 56% | learning rate: 0.300000

result on trainlist:

100% 0 0.0336906%

result on testlist:

88.8889% 4 0.068518%

epoch: 57% | learning rate: 0.300000

result on trainlist:

100% 0 0.0329993%

result on testlist:

88.8889% 4 0.067593%

epoch: 58% | learning rate: 0.300000

result on trainlist:

100% 0 0.0323528%

result on testlist:

88.8889% 4 0.0667215%

epoch: 59% | learning rate: 0.300000

result on trainlist:

100% 0 0.0317476%

result on testlist:

88.8889% 4 0.0659005%

epoch: 60% | learning rate: 0.300000

result on trainlist:

100% 0 0.0311804%

result on testlist:

91.6667% 3 0.0651273%

epoch: 61% | learning rate: 0.300000

result on trainlist:

100% 0 0.0306482%

result on testlist:

91.6667% 3 0.0643991%

epoch: 62% | learning rate: 0.300000

result on trainlist:

100% 0 0.030148%

result on testlist:

91.6667% 3 0.0637133%

epoch: 63% | learning rate: 0.300000

result on trainlist:

100% 0 0.0296772%

result on testlist:

91.6667% 3 0.0630674%

epoch: 64% | learning rate: 0.300000

result on trainlist:

100% 0 0.0292335%

result on testlist:

91.6667% 3 0.0624587%

epoch: 65% | learning rate: 0.300000

result on trainlist:

100% 0 0.0288146%

result on testlist:

91.6667% 3 0.0618851%

epoch: 66% | learning rate: 0.300000

result on trainlist:

100% 0 0.0284185%

result on testlist:

91.6667% 3 0.0613444%

epoch: 67% | learning rate: 0.300000

result on trainlist:

100% 0 0.0280432%

result on testlist:

91.6667% 3 0.0608343%

epoch: 68% | learning rate: 0.300000

result on trainlist:

100% 0 0.0276872%

result on testlist:

91.6667% 3 0.0603529%

epoch: 69% | learning rate: 0.300000

result on trainlist:

100% 0 0.0273488%

result on testlist:

91.6667% 3 0.0598983%

epoch: 70% | learning rate: 0.300000

result on trainlist:

100% 0 0.0270266%

result on testlist:

91.6667% 3 0.0594688%

epoch: 71% | learning rate: 0.300000

result on trainlist:

100% 0 0.0267194%

result on testlist:

91.6667% 3 0.0590627%

epoch: 72% | learning rate: 0.300000

result on trainlist:

100% 0 0.0264259%

result on testlist:

91.6667% 3 0.0586785%

epoch: 73% | learning rate: 0.300000

result on trainlist:

100% 0 0.0261451%

result on testlist:

91.6667% 3 0.0583148%

epoch: 74% | learning rate: 0.300000

result on trainlist:

100% 0 0.0258761%

result on testlist:

91.6667% 3 0.0579701%

epoch: 75% | learning rate: 0.300000

result on trainlist:

100% 0 0.025618%

result on testlist:

91.6667% 3 0.0576433%

epoch: 76% | learning rate: 0.300000

result on trainlist:

100% 0 0.0253699%

result on testlist:

91.6667% 3 0.0573332%

epoch: 77% | learning rate: 0.300000

result on trainlist:

100% 0 0.0251311%

result on testlist:

91.6667% 3 0.0570386%

epoch: 78% | learning rate: 0.300000

result on trainlist:

100% 0 0.0249011%

result on testlist:

91.6667% 3 0.0567586%

epoch: 79% | learning rate: 0.300000

result on trainlist:

100% 0 0.0246792%

result on testlist:

91.6667% 3 0.0564923%

epoch: 80% | learning rate: 0.300000

result on trainlist:

100% 0 0.0244648%

result on testlist:

91.6667% 3 0.0562387%

epoch: 81% | learning rate: 0.300000

result on trainlist:

100% 0 0.0242574%

result on testlist:

91.6667% 3 0.0559971%

epoch: 82% | learning rate: 0.300000

result on trainlist:

100% 0 0.0240567%

result on testlist:

91.6667% 3 0.0557666%

epoch: 83% | learning rate: 0.300000

result on trainlist:

100% 0 0.0238622%

result on testlist:

91.6667% 3 0.0555466%

epoch: 84% | learning rate: 0.300000

result on trainlist:

100% 0 0.0236735%

result on testlist:

91.6667% 3 0.0553364%

epoch: 85% | learning rate: 0.300000

result on trainlist:

100% 0 0.0234902%

result on testlist:

91.6667% 3 0.0551354%

epoch: 86% | learning rate: 0.300000

result on trainlist:

100% 0 0.0233121%

result on testlist:

91.6667% 3 0.0549431%

epoch: 87% | learning rate: 0.300000

result on trainlist:

100% 0 0.0231389%

result on testlist:

91.6667% 3 0.0547588%

epoch: 88% | learning rate: 0.300000

result on trainlist:

100% 0 0.0229702%

result on testlist:

91.6667% 3 0.0545822%

epoch: 89% | learning rate: 0.300000

result on trainlist:

100% 0 0.0228059%

result on testlist:

91.6667% 3 0.0544126%

epoch: 90% | learning rate: 0.300000

result on trainlist:

100% 0 0.0226457%

result on testlist:

91.6667% 3 0.0542498%

epoch: 91% | learning rate: 0.300000

result on trainlist:

100% 0 0.0224894%

result on testlist:

94.4444% 2 0.0540933%

epoch: 92% | learning rate: 0.300000

result on trainlist:

100% 0 0.0223369%

result on testlist:

94.4444% 2 0.0539427%

epoch: 93% | learning rate: 0.300000

result on trainlist:

100% 0 0.0221878%

result on testlist:

94.4444% 2 0.0537976%

epoch: 94% | learning rate: 0.300000

result on trainlist:

100% 0 0.0220421%

result on testlist:

94.4444% 2 0.0536578%

epoch: 95% | learning rate: 0.300000

result on trainlist:

100% 0 0.0218996%

result on testlist:

94.4444% 2 0.053523%

epoch: 96% | learning rate: 0.300000

result on trainlist:

100% 0 0.0217601%

result on testlist:

94.4444% 2 0.0533928%

epoch: 97% | learning rate: 0.300000

result on trainlist:

100% 0 0.0216235%

result on testlist:

94.4444% 2 0.0532669%

epoch: 98% | learning rate: 0.300000

result on trainlist:

100% 0 0.0214897%

result on testlist:

94.4444% 2 0.0531452%

epoch: 99% | learning rate: 0.300000

result on trainlist:

100% 0 0.0213586%

result on testlist:

94.4444% 2 0.0530275%

Saving 960x20x20 network to 'mininetwork.net'

epoch: 100% | learning rate: 0.300000

result on trainlist:

100% 0 0.02123%

result on testlist:

94.4444% 2 0.0529134%

epoch: 101% | learning rate: 0.300000

result on trainlist:

100% 0 0.0211038%

result on testlist:

97.2222% 1 0.0528027%

epoch: 102% | learning rate: 0.300000

result on trainlist:

100% 0 0.02098%

result on testlist:

97.2222% 1 0.0526954%

epoch: 103% | learning rate: 0.300000

result on trainlist:

100% 0 0.0208584%

result on testlist:

97.2222% 1 0.0525912%

epoch: 104% | learning rate: 0.300000

result on trainlist:

100% 0 0.020739%

result on testlist:

97.2222% 1 0.0524899%

epoch: 105% | learning rate: 0.300000

result on trainlist:

100% 0 0.0206217%

result on testlist:

97.2222% 1 0.0523914%

epoch: 106% | learning rate: 0.300000

result on trainlist:

100% 0 0.0205063%

result on testlist:

97.2222% 1 0.0522955%

epoch: 107% | learning rate: 0.300000

result on trainlist:

100% 0 0.0203928%

result on testlist:

97.2222% 1 0.0522021%

epoch: 108% | learning rate: 0.300000

result on trainlist:

100% 0 0.0202812%

result on testlist:

97.2222% 1 0.0521111%

epoch: 109% | learning rate: 0.300000

result on trainlist:

100% 0 0.0201714%

result on testlist:

97.2222% 1 0.0520223%

epoch: 110% | learning rate: 0.300000

result on trainlist:

100% 0 0.0200632%

result on testlist:

97.2222% 1 0.0519357%

epoch: 111% | learning rate: 0.300000

result on trainlist:

100% 0 0.0199567%

result on testlist:

97.2222% 1 0.0518511%

epoch: 112% | learning rate: 0.300000

result on trainlist:

100% 0 0.0198519%

result on testlist:

97.2222% 1 0.0517685%

epoch: 113% | learning rate: 0.300000

result on trainlist:

100% 0 0.0197485%

result on testlist:

97.2222% 1 0.0516876%

epoch: 114% | learning rate: 0.300000

result on trainlist:

100% 0 0.0196467%

result on testlist:

97.2222% 1 0.0516086%

epoch: 115% | learning rate: 0.300000

result on trainlist:

100% 0 0.0195463%

result on testlist:

97.2222% 1 0.0515312%

epoch: 116% | learning rate: 0.300000

result on trainlist:

100% 0 0.0194472%

result on testlist:

97.2222% 1 0.0514553%

epoch: 117% | learning rate: 0.300000

result on trainlist:

100% 0 0.0193496%

result on testlist:

97.2222% 1 0.051381%

epoch: 118% | learning rate: 0.300000

result on trainlist:

100% 0 0.0192532%

result on testlist:

97.2222% 1 0.0513082%

epoch: 119% | learning rate: 0.300000

result on trainlist:

100% 0 0.0191582%

result on testlist:

97.2222% 1 0.0512367%

epoch: 120% | learning rate: 0.300000

result on trainlist:

100% 0 0.0190643%

result on testlist:

97.2222% 1 0.0511666%

epoch: 121% | learning rate: 0.300000

result on trainlist:

100% 0 0.0189717%

result on testlist:

97.2222% 1 0.0510977%

epoch: 122% | learning rate: 0.300000

result on trainlist:

100% 0 0.0188802%

result on testlist:

97.2222% 1 0.05103%

epoch: 123% | learning rate: 0.300000

result on trainlist:

100% 0 0.0187899%

result on testlist:

97.2222% 1 0.0509635%

epoch: 124% | learning rate: 0.300000

result on trainlist:

100% 0 0.0187006%

result on testlist:

97.2222% 1 0.0508981%

epoch: 125% | learning rate: 0.300000

result on trainlist:

100% 0 0.0186125%

result on testlist:

97.2222% 1 0.0508338%

epoch: 126% | learning rate: 0.300000

result on trainlist:

100% 0 0.0185254%

result on testlist:

97.2222% 1 0.0507705%

epoch: 127% | learning rate: 0.300000

result on trainlist:

100% 0 0.0184393%

result on testlist:

97.2222% 1 0.0507082%

epoch: 128% | learning rate: 0.300000

result on trainlist:

100% 0 0.0183542%

result on testlist:

97.2222% 1 0.0506468%

epoch: 129% | learning rate: 0.300000

result on trainlist:

100% 0 0.01827%

result on testlist:

97.2222% 1 0.0505863%

epoch: 130% | learning rate: 0.300000

result on trainlist:

100% 0 0.0181868%

result on testlist:

97.2222% 1 0.0505267%

epoch: 131% | learning rate: 0.300000

result on trainlist:

100% 0 0.0181046%

result on testlist:

97.2222% 1 0.050468%

epoch: 132% | learning rate: 0.300000

result on trainlist:

100% 0 0.0180232%

result on testlist:

97.2222% 1 0.05041%

epoch: 133% | learning rate: 0.300000

result on trainlist:

100% 0 0.0179427%

result on testlist:

97.2222% 1 0.0503528%

epoch: 134% | learning rate: 0.300000

result on trainlist:

100% 0 0.0178631%

result on testlist:

97.2222% 1 0.0502964%

epoch: 135% | learning rate: 0.300000

result on trainlist:

100% 0 0.0177843%

result on testlist:

97.2222% 1 0.0502406%

epoch: 136% | learning rate: 0.300000

result on trainlist:

100% 0 0.0177064%

result on testlist:

97.2222% 1 0.0501855%

epoch: 137% | learning rate: 0.300000

result on trainlist:

100% 0 0.0176292%

result on testlist:

97.2222% 1 0.0501311%

epoch: 138% | learning rate: 0.300000

result on trainlist:

100% 0 0.0175528%

result on testlist:

97.2222% 1 0.0500773%

epoch: 139% | learning rate: 0.300000

result on trainlist:

100% 0 0.0174772%

result on testlist:

97.2222% 1 0.0500241%

epoch: 140% | learning rate: 0.300000

result on trainlist:

100% 0 0.0174024%

result on testlist:

97.2222% 1 0.0499715%

epoch: 141% | learning rate: 0.300000

result on trainlist:

100% 0 0.0173282%

result on testlist:

97.2222% 1 0.0499195%

epoch: 142% | learning rate: 0.300000

result on trainlist:

100% 0 0.0172548%

result on testlist:

97.2222% 1 0.049868%

epoch: 143% | learning rate: 0.300000

result on trainlist:

100% 0 0.0171821%

result on testlist:

97.2222% 1 0.0498169%

epoch: 144% | learning rate: 0.300000

result on trainlist:

100% 0 0.0171101%

result on testlist:

97.2222% 1 0.0497664%

epoch: 145% | learning rate: 0.300000

result on trainlist:

100% 0 0.0170387%

result on testlist:

97.2222% 1 0.0497164%

epoch: 146% | learning rate: 0.300000

result on trainlist:

100% 0 0.016968%

result on testlist:

97.2222% 1 0.0496668%

epoch: 147% | learning rate: 0.300000

result on trainlist:

100% 0 0.016898%

result on testlist:

97.2222% 1 0.0496176%

epoch: 148% | learning rate: 0.300000

result on trainlist:

100% 0 0.0168285%

result on testlist:

97.2222% 1 0.0495689%

epoch: 149% | learning rate: 0.300000

result on trainlist:

100% 0 0.0167597%

result on testlist:

97.2222% 1 0.0495205%

epoch: 150% | learning rate: 0.300000

result on trainlist:

100% 0 0.0166915%

result on testlist:

97.2222% 1 0.0494726%

epoch: 151% | learning rate: 0.300000

result on trainlist:

100% 0 0.0166238%

result on testlist:

97.2222% 1 0.049425%

epoch: 152% | learning rate: 0.300000

result on trainlist:

100% 0 0.0165568%

result on testlist:

97.2222% 1 0.0493778%

epoch: 153% | learning rate: 0.300000

result on trainlist:

100% 0 0.0164903%

result on testlist:

97.2222% 1 0.0493309%

epoch: 154% | learning rate: 0.300000

result on trainlist:

100% 0 0.0164243%

result on testlist:

97.2222% 1 0.0492843%

epoch: 155% | learning rate: 0.300000

result on trainlist:

100% 0 0.0163589%

result on testlist:

97.2222% 1 0.0492381%

epoch: 156% | learning rate: 0.300000

result on trainlist:

100% 0 0.016294%

result on testlist:

97.2222% 1 0.0491922%

epoch: 157% | learning rate: 0.300000

result on trainlist:

100% 0 0.0162296%

result on testlist:

97.2222% 1 0.0491466%

epoch: 158% | learning rate: 0.300000

result on trainlist:

100% 0 0.0161657%

result on testlist:

97.2222% 1 0.0491012%

epoch: 159% | learning rate: 0.300000

result on trainlist:

100% 0 0.0161023%

result on testlist:

97.2222% 1 0.0490562%

epoch: 160% | learning rate: 0.300000

result on trainlist:

100% 0 0.0160394%

result on testlist:

97.2222% 1 0.0490114%

epoch: 161% | learning rate: 0.300000

result on trainlist:

100% 0 0.015977%

result on testlist:

97.2222% 1 0.0489669%

epoch: 162% | learning rate: 0.300000

result on trainlist:

100% 0 0.015915%

result on testlist:

94.4444% 2 0.0489226%

epoch: 163% | learning rate: 0.300000

result on trainlist:

100% 0 0.0158535%

result on testlist:

94.4444% 2 0.0488786%

epoch: 164% | learning rate: 0.300000

result on trainlist:

100% 0 0.0157924%

result on testlist:

94.4444% 2 0.0488348%

epoch: 165% | learning rate: 0.300000

result on trainlist:

100% 0 0.0157317%

result on testlist:

94.4444% 2 0.0487913%

epoch: 166% | learning rate: 0.300000

result on trainlist:

100% 0 0.0156715%

result on testlist:

94.4444% 2 0.048748%

epoch: 167% | learning rate: 0.300000

result on trainlist:

100% 0 0.0156117%

result on testlist:

94.4444% 2 0.0487049%

epoch: 168% | learning rate: 0.300000

result on trainlist:

100% 0 0.0155523%

result on testlist:

94.4444% 2 0.048662%

epoch: 169% | learning rate: 0.300000

result on trainlist:

100% 0 0.0154933%

result on testlist:

94.4444% 2 0.0486194%

epoch: 170% | learning rate: 0.300000

result on trainlist:

100% 0 0.0154347%

result on testlist:

94.4444% 2 0.048577%

epoch: 171% | learning rate: 0.300000

result on trainlist:

100% 0 0.0153765%

result on testlist:

94.4444% 2 0.0485348%

epoch: 172% | learning rate: 0.300000

result on trainlist:

100% 0 0.0153187%

result on testlist:

94.4444% 2 0.0484928%

epoch: 173% | learning rate: 0.300000

result on trainlist:

100% 0 0.0152612%

result on testlist:

94.4444% 2 0.0484511%

epoch: 174% | learning rate: 0.300000

result on trainlist:

100% 0 0.0152041%

result on testlist:

94.4444% 2 0.0484095%

epoch: 175% | learning rate: 0.300000

result on trainlist:

100% 0 0.0151474%

result on testlist:

94.4444% 2 0.0483682%

epoch: 176% | learning rate: 0.300000

result on trainlist:

100% 0 0.015091%

result on testlist:

94.4444% 2 0.048327%

epoch: 177% | learning rate: 0.300000

result on trainlist:

100% 0 0.015035%

result on testlist:

94.4444% 2 0.0482861%

epoch: 178% | learning rate: 0.300000

result on trainlist:

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94.4444% 2 0.0482454%

epoch: 179% | learning rate: 0.300000

result on trainlist:

100% 0 0.014924%

result on testlist:

94.4444% 2 0.0482049%

epoch: 180% | learning rate: 0.300000

result on trainlist:

100% 0 0.014869%

result on testlist:

94.4444% 2 0.0481645%

epoch: 181% | learning rate: 0.300000

result on trainlist:

100% 0 0.0148144%

result on testlist:

94.4444% 2 0.0481244%

epoch: 182% | learning rate: 0.300000

result on trainlist:

100% 0 0.01476%

result on testlist:

94.4444% 2 0.0480846%

epoch: 183% | learning rate: 0.300000

result on trainlist:

100% 0 0.014706%

result on testlist:

94.4444% 2 0.0480449%

epoch: 184% | learning rate: 0.300000

result on trainlist:

100% 0 0.0146524%

result on testlist:

94.4444% 2 0.0480054%

epoch: 185% | learning rate: 0.300000

result on trainlist:

100% 0 0.014599%

result on testlist:

94.4444% 2 0.0479662%

epoch: 186% | learning rate: 0.300000

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100% 0 0.014546%

result on testlist:

94.4444% 2 0.0479271%

epoch: 187% | learning rate: 0.300000

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100% 0 0.0144933%

result on testlist:

94.4444% 2 0.0478883%

epoch: 188% | learning rate: 0.300000

result on trainlist:

100% 0 0.0144409%

result on testlist:

94.4444% 2 0.0478497%

epoch: 189% | learning rate: 0.300000

result on trainlist:

100% 0 0.0143888%

result on testlist:

94.4444% 2 0.0478113%

epoch: 190% | learning rate: 0.300000

result on trainlist:

100% 0 0.014337%

result on testlist:

94.4444% 2 0.0477731%

epoch: 191% | learning rate: 0.300000

result on trainlist:

100% 0 0.0142855%

result on testlist:

94.4444% 2 0.0477352%

epoch: 192% | learning rate: 0.300000

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94.4444% 2 0.0476974%

epoch: 193% | learning rate: 0.300000

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94.4444% 2 0.0476599%

epoch: 194% | learning rate: 0.300000

result on trainlist:

100% 0 0.0141329%

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94.4444% 2 0.0476226%

epoch: 195% | learning rate: 0.300000

result on trainlist:

100% 0 0.0140827%

result on testlist:

94.4444% 2 0.0475856%

epoch: 196% | learning rate: 0.300000

result on trainlist:

100% 0 0.0140327%

result on testlist:

94.4444% 2 0.0475487%

epoch: 197% | learning rate: 0.300000

result on trainlist:

100% 0 0.0139831%

result on testlist:

94.4444% 2 0.0475121%

epoch: 198% | learning rate: 0.300000

result on trainlist:

100% 0 0.0139337%

result on testlist:

94.4444% 2 0.0474757%

epoch: 199% | learning rate: 0.300000

result on trainlist:

100% 0 0.0138846%

result on testlist:

94.4444% 2 0.0474396%

Saving 960x20x20 network to 'mininetwork.net'

epoch: 200% | learning rate: 0.300000

result on trainlist:

100% 0 0.0138359%

result on testlist:

94.4444% 2 0.0474036%

epoch: 201% | learning rate: 0.300000

result on trainlist:

100% 0 0.0137874%

result on testlist:

94.4444% 2 0.0473679%

epoch: 202% | learning rate: 0.300000

result on trainlist:

100% 0 0.0137392%

result on testlist:

94.4444% 2 0.0473325%

epoch: 203% | learning rate: 0.300000

result on trainlist:

100% 0 0.0136914%

result on testlist:

94.4444% 2 0.0472972%

epoch: 204% | learning rate: 0.300000

result on trainlist:

100% 0 0.0136438%

result on testlist:

94.4444% 2 0.0472622%

epoch: 205% | learning rate: 0.300000

result on trainlist:

100% 0 0.0135965%

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94.4444% 2 0.0472274%

epoch: 206% | learning rate: 0.300000

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100% 0 0.0135495%

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94.4444% 2 0.0471929%

epoch: 207% | learning rate: 0.300000

result on trainlist:

100% 0 0.0135028%

result on testlist:

94.4444% 2 0.0471585%

epoch: 208% | learning rate: 0.300000

result on trainlist:

100% 0 0.0134564%

result on testlist:

94.4444% 2 0.0471245%

epoch: 209% | learning rate: 0.300000

result on trainlist:

100% 0 0.0134103%

result on testlist:

94.4444% 2 0.0470906%

epoch: 210% | learning rate: 0.300000

result on trainlist:

100% 0 0.0133645%

result on testlist:

94.4444% 2 0.0470569%

epoch: 211% | learning rate: 0.300000

result on trainlist:

100% 0 0.013319%

result on testlist:

94.4444% 2 0.0470235%

epoch: 212% | learning rate: 0.300000

result on trainlist:

100% 0 0.0132738%

result on testlist:

94.4444% 2 0.0469903%

epoch: 213% | learning rate: 0.300000

result on trainlist:

100% 0 0.0132288%

result on testlist:

94.4444% 2 0.0469574%

epoch: 214% | learning rate: 0.300000

result on trainlist:

100% 0 0.0131842%

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94.4444% 2 0.0469246%

epoch: 215% | learning rate: 0.300000

result on trainlist:

100% 0 0.0131398%

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94.4444% 2 0.0468921%

epoch: 216% | learning rate: 0.300000

result on trainlist:

100% 0 0.0130958%

result on testlist:

94.4444% 2 0.0468598%

epoch: 217% | learning rate: 0.300000

result on trainlist:

100% 0 0.013052%

result on testlist:

94.4444% 2 0.0468277%

epoch: 218% | learning rate: 0.300000

result on trainlist:

100% 0 0.0130085%

result on testlist:

94.4444% 2 0.0467958%

epoch: 219% | learning rate: 0.300000

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100% 0 0.0129653%

result on testlist:

94.4444% 2 0.0467641%

epoch: 220% | learning rate: 0.300000

result on trainlist:

100% 0 0.0129224%

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94.4444% 2 0.0467326%

epoch: 221% | learning rate: 0.300000

result on trainlist:

100% 0 0.0128797%

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94.4444% 2 0.0467013%

epoch: 222% | learning rate: 0.300000

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100% 0 0.0128374%

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94.4444% 2 0.0466703%

epoch: 223% | learning rate: 0.300000

result on trainlist:

100% 0 0.0127953%

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94.4444% 2 0.0466394%

epoch: 224% | learning rate: 0.300000

result on trainlist:

100% 0 0.0127535%

result on testlist:

94.4444% 2 0.0466087%

epoch: 225% | learning rate: 0.300000

result on trainlist:

100% 0 0.012712%

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94.4444% 2 0.0465782%

epoch: 226% | learning rate: 0.300000

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100% 0 0.0126707%

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94.4444% 2 0.0465479%

epoch: 227% | learning rate: 0.300000

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100% 0 0.0126298%

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94.4444% 2 0.0465178%

epoch: 228% | learning rate: 0.300000

result on trainlist:

100% 0 0.0125891%

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94.4444% 2 0.0464879%

epoch: 229% | learning rate: 0.300000

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100% 0 0.0125486%

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94.4444% 2 0.0464581%

epoch: 230% | learning rate: 0.300000

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100% 0 0.0125085%

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94.4444% 2 0.0464285%

epoch: 231% | learning rate: 0.300000

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100% 0 0.0124686%

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94.4444% 2 0.0463991%

epoch: 232% | learning rate: 0.300000

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94.4444% 2 0.0463698%

epoch: 233% | learning rate: 0.300000

result on trainlist:

100% 0 0.0123896%

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94.4444% 2 0.0463407%

epoch: 234% | learning rate: 0.300000

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100% 0 0.0123505%

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94.4444% 2 0.0463118%

epoch: 235% | learning rate: 0.300000

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100% 0 0.0123117%

result on testlist:

94.4444% 2 0.046283%

epoch: 236% | learning rate: 0.300000

result on trainlist:

100% 0 0.0122731%

result on testlist:

94.4444% 2 0.0462543%

epoch: 237% | learning rate: 0.300000

result on trainlist:

100% 0 0.0122347%

result on testlist:

94.4444% 2 0.0462258%

epoch: 238% | learning rate: 0.300000

result on trainlist:

100% 0 0.0121967%

result on testlist:

94.4444% 2 0.0461975%

epoch: 239% | learning rate: 0.300000

result on trainlist:

100% 0 0.0121588%

result on testlist:

94.4444% 2 0.0461692%

epoch: 240% | learning rate: 0.300000

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100% 0 0.0121212%

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94.4444% 2 0.0461411%

epoch: 241% | learning rate: 0.300000

result on trainlist:

100% 0 0.0120839%

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94.4444% 2 0.0461131%

epoch: 242% | learning rate: 0.300000

result on trainlist:

100% 0 0.0120468%

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94.4444% 2 0.0460852%

epoch: 243% | learning rate: 0.300000

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100% 0 0.01201%

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94.4444% 2 0.0460575%

epoch: 244% | learning rate: 0.300000

result on trainlist:

100% 0 0.0119733%

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94.4444% 2 0.0460298%

epoch: 245% | learning rate: 0.300000

result on trainlist:

100% 0 0.011937%

result on testlist:

94.4444% 2 0.0460023%

epoch: 246% | learning rate: 0.300000

result on trainlist:

100% 0 0.0119008%

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94.4444% 2 0.0459749%

epoch: 247% | learning rate: 0.300000

result on trainlist:

100% 0 0.0118649%

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94.4444% 2 0.0459475%

epoch: 248% | learning rate: 0.300000

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100% 0 0.0118292%

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94.4444% 2 0.0459203%

epoch: 249% | learning rate: 0.300000

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94.4444% 2 0.0458931%

epoch: 250% | learning rate: 0.300000

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94.4444% 2 0.045866%

epoch: 251% | learning rate: 0.300000

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94.4444% 2 0.045839%

epoch: 252% | learning rate: 0.300000

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epoch: 253% | learning rate: 0.300000

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100% 0 0.0116541%

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94.4444% 2 0.0457852%

epoch: 254% | learning rate: 0.300000

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100% 0 0.0116198%

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94.4444% 2 0.0457584%

epoch: 255% | learning rate: 0.300000

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100% 0 0.0115856%

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94.4444% 2 0.0457317%

epoch: 256% | learning rate: 0.300000

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100% 0 0.0115517%

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94.4444% 2 0.045705%

epoch: 257% | learning rate: 0.300000

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100% 0 0.011518%

result on testlist:

94.4444% 2 0.0456783%

epoch: 258% | learning rate: 0.300000

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100% 0 0.0114844%

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94.4444% 2 0.0456518%

epoch: 259% | learning rate: 0.300000

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100% 0 0.0114511%

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94.4444% 2 0.0456252%

epoch: 260% | learning rate: 0.300000

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94.4444% 2 0.0455987%

epoch: 261% | learning rate: 0.300000

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94.4444% 2 0.0455722%

epoch: 262% | learning rate: 0.300000

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94.4444% 2 0.0455457%

epoch: 263% | learning rate: 0.300000

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94.4444% 2 0.0455193%

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94.4444% 2 0.0454929%

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94.4444% 2 0.0454665%

epoch: 266% | learning rate: 0.300000

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94.4444% 2 0.0454401%

epoch: 267% | learning rate: 0.300000

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100% 0 0.0111918%

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94.4444% 2 0.0454137%

epoch: 268% | learning rate: 0.300000

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100% 0 0.0111602%

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94.4444% 2 0.0453874%

epoch: 269% | learning rate: 0.300000

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94.4444% 2 0.045361%

epoch: 270% | learning rate: 0.300000

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94.4444% 2 0.0453346%

epoch: 271% | learning rate: 0.300000

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94.4444% 2 0.0453082%

epoch: 272% | learning rate: 0.300000

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94.4444% 2 0.0452819%

epoch: 273% | learning rate: 0.300000

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94.4444% 2 0.0452555%

epoch: 274% | learning rate: 0.300000

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94.4444% 2 0.045229%

epoch: 275% | learning rate: 0.300000

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94.4444% 2 0.0452026%

epoch: 276% | learning rate: 0.300000

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94.4444% 2 0.0451761%

epoch: 277% | learning rate: 0.300000

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94.4444% 2 0.0451231%

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100% 0 0.0107666%

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94.4444% 2 0.0450434%

epoch: 282% | learning rate: 0.300000

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100% 0 0.0107376%

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94.4444% 2 0.0450167%

epoch: 283% | learning rate: 0.300000

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100% 0 0.0107087%

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94.4444% 2 0.04499%

epoch: 284% | learning rate: 0.300000

result on trainlist:

100% 0 0.0106801%

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94.4444% 2 0.0449633%

epoch: 285% | learning rate: 0.300000

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100% 0 0.0106515%

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94.4444% 2 0.0449365%

epoch: 286% | learning rate: 0.300000

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100% 0 0.0106232%

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94.4444% 2 0.0449096%

epoch: 287% | learning rate: 0.300000

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100% 0 0.010595%

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94.4444% 2 0.0448827%

epoch: 288% | learning rate: 0.300000

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94.4444% 2 0.0448558%

epoch: 289% | learning rate: 0.300000

result on trainlist:

100% 0 0.0105392%

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94.4444% 2 0.0448288%

epoch: 290% | learning rate: 0.300000

result on trainlist:

100% 0 0.0105115%

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94.4444% 2 0.0448018%

epoch: 291% | learning rate: 0.300000

result on trainlist:

100% 0 0.010484%

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94.4444% 2 0.0447747%

epoch: 292% | learning rate: 0.300000

result on trainlist:

100% 0 0.0104567%

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94.4444% 2 0.0447476%

epoch: 293% | learning rate: 0.300000

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100% 0 0.0104295%

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94.4444% 2 0.0447204%

epoch: 294% | learning rate: 0.300000

result on trainlist:

100% 0 0.0104025%

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94.4444% 2 0.0446931%

epoch: 295% | learning rate: 0.300000

result on trainlist:

100% 0 0.0103757%

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94.4444% 2 0.0446658%

epoch: 296% | learning rate: 0.300000

result on trainlist:

100% 0 0.010349%

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94.4444% 2 0.0446384%

epoch: 297% | learning rate: 0.300000

result on trainlist:

100% 0 0.0103225%

result on testlist:

94.4444% 2 0.044611%

epoch: 298% | learning rate: 0.300000

result on trainlist:

100% 0 0.0102962%

result on testlist:

94.4444% 2 0.0445836%

epoch: 299% | learning rate: 0.300000

result on trainlist:

100% 0 0.01027%

result on testlist:

94.4444% 2 0.044556%

Saving 960x20x20 network to 'mininetwork.net'

epoch: 300% | learning rate: 0.300000

result on trainlist:

100% 0 0.010244%

result on testlist:

94.4444% 2 0.0445285%

epoch: 301% | learning rate: 0.300000

result on trainlist:

100% 0 0.0102182%

result on testlist:

94.4444% 2 0.0445008%

epoch: 302% | learning rate: 0.300000

result on trainlist:

100% 0 0.0101925%

result on testlist:

94.4444% 2 0.0444732%

epoch: 303% | learning rate: 0.300000

result on trainlist:

100% 0 0.010167%

result on testlist:

94.4444% 2 0.0444454%

epoch: 304% | learning rate: 0.300000

result on trainlist:

100% 0 0.0101417%

result on testlist:

94.4444% 2 0.0444177%

epoch: 305% | learning rate: 0.300000

result on trainlist:

100% 0 0.0101165%

result on testlist:

94.4444% 2 0.0443898%

epoch: 306% | learning rate: 0.300000

result on trainlist:

100% 0 0.0100915%

result on testlist:

94.4444% 2 0.044362%

epoch: 307% | learning rate: 0.300000

result on trainlist:

100% 0 0.0100667%

result on testlist:

94.4444% 2 0.044334%

epoch: 308% | learning rate: 0.300000

result on trainlist:

100% 0 0.010042%

result on testlist:

94.4444% 2 0.0443061%

epoch: 309% | learning rate: 0.300000

result on trainlist:

100% 0 0.0100175%

result on testlist:

94.4444% 2 0.0442781%

epoch: 310% | learning rate: 0.300000

result on trainlist:

100% 0 0.0099931%

result on testlist:

94.4444% 2 0.04425%

r: 0.009993

Test 1：

94.4444% 2 0.04425%

Test 2：

92.5% 3 0.0580757%