Momentum = 0.3 & lr = 0.3 && small data set.

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:

3.75% 77 0.398967%

result on testlist:

5.55556% 34 0.396489%

epoch: 1% | learning rate: 0.300000

result on trainlist:

5% 76 0.532414%

result on testlist:

5.55556% 34 0.540655%

epoch: 2% | learning rate: 0.300000

result on trainlist:

5% 76 0.512882%

result on testlist:

5.55556% 34 0.526589%

epoch: 3% | learning rate: 0.300000

result on trainlist:

8.75% 73 0.440435%

result on testlist:

11.1111% 32 0.458008%

epoch: 4% | learning rate: 0.300000

result on trainlist:

13.75% 69 0.379743%

result on testlist:

16.6667% 30 0.399511%

epoch: 5% | learning rate: 0.300000

result on trainlist:

21.25% 63 0.335703%

result on testlist:

27.7778% 26 0.35948%

epoch: 6% | learning rate: 0.300000

result on trainlist:

22.5% 62 0.302087%

result on testlist:

33.3333% 24 0.331162%

epoch: 7% | learning rate: 0.300000

result on trainlist:

33.75% 53 0.274038%

result on testlist:

38.8889% 22 0.306784%

epoch: 8% | learning rate: 0.300000

result on trainlist:

38.75% 49 0.248583%

result on testlist:

41.6667% 21 0.283341%

epoch: 9% | learning rate: 0.300000

result on trainlist:

42.5% 46 0.225504%

result on testlist:

41.6667% 21 0.262045%

epoch: 10% | learning rate: 0.300000

result on trainlist:

48.75% 41 0.204898%

result on testlist:

41.6667% 21 0.243236%

epoch: 11% | learning rate: 0.300000

result on trainlist:

55% 36 0.187245%

result on testlist:

47.2222% 19 0.227515%

epoch: 12% | learning rate: 0.300000

result on trainlist:

66.25% 27 0.171657%

result on testlist:

47.2222% 19 0.213823%

epoch: 13% | learning rate: 0.300000

result on trainlist:

73.75% 21 0.157418%

result on testlist:

50% 18 0.201251%

epoch: 14% | learning rate: 0.300000

result on trainlist:

77.5% 18 0.144159%

result on testlist:

55.5556% 16 0.189317%

epoch: 15% | learning rate: 0.300000

result on trainlist:

81.25% 15 0.131621%

result on testlist:

61.1111% 14 0.17776%

epoch: 16% | learning rate: 0.300000

result on trainlist:

83.75% 13 0.119711%

result on testlist:

63.8889% 13 0.166528%

epoch: 17% | learning rate: 0.300000

result on trainlist:

83.75% 13 0.108535%

result on testlist:

66.6667% 12 0.155781%

epoch: 18% | learning rate: 0.300000

result on trainlist:

85% 12 0.0982804%

result on testlist:

69.4444% 11 0.145782%

epoch: 19% | learning rate: 0.300000

result on trainlist:

87.5% 10 0.0891441%

result on testlist:

75% 9 0.136813%

epoch: 20% | learning rate: 0.300000

result on trainlist:

88.75% 9 0.0813503%

result on testlist:

77.7778% 8 0.129127%

epoch: 21% | learning rate: 0.300000

result on trainlist:

88.75% 9 0.07495%

result on testlist:

80.5556% 7 0.122747%

epoch: 22% | learning rate: 0.300000

result on trainlist:

92.5% 6 0.0697363%

result on testlist:

80.5556% 7 0.117441%

epoch: 23% | learning rate: 0.300000

result on trainlist:

95% 4 0.0654618%

result on testlist:

80.5556% 7 0.112958%

epoch: 24% | learning rate: 0.300000

result on trainlist:

95% 4 0.0619026%

result on testlist:

80.5556% 7 0.109086%

epoch: 25% | learning rate: 0.300000

result on trainlist:

96.25% 3 0.0588727%

result on testlist:

83.3333% 6 0.105655%

epoch: 26% | learning rate: 0.300000

result on trainlist:

96.25% 3 0.0562358%

result on testlist:

83.3333% 6 0.102547%

epoch: 27% | learning rate: 0.300000

result on trainlist:

96.25% 3 0.0539005%

result on testlist:

83.3333% 6 0.0996874%

epoch: 28% | learning rate: 0.300000

result on trainlist:

96.25% 3 0.0518056%

result on testlist:

83.3333% 6 0.0970342%

epoch: 29% | learning rate: 0.300000

result on trainlist:

96.25% 3 0.0499086%

result on testlist:

83.3333% 6 0.0945617%

epoch: 30% | learning rate: 0.300000

result on trainlist:

96.25% 3 0.0481766%

result on testlist:

86.1111% 5 0.0922523%

epoch: 31% | learning rate: 0.300000

result on trainlist:

96.25% 3 0.0465825%

result on testlist:

86.1111% 5 0.0900911%

epoch: 32% | learning rate: 0.300000

result on trainlist:

96.25% 3 0.0451024%

result on testlist:

86.1111% 5 0.0880643%

epoch: 33% | learning rate: 0.300000

result on trainlist:

96.25% 3 0.0437153%

result on testlist:

86.1111% 5 0.0861583%

epoch: 34% | learning rate: 0.300000

result on trainlist:

96.25% 3 0.0424027%

result on testlist:

86.1111% 5 0.0843601%

epoch: 35% | learning rate: 0.300000

result on trainlist:

96.25% 3 0.0411492%

result on testlist:

86.1111% 5 0.082658%

epoch: 36% | learning rate: 0.300000

result on trainlist:

96.25% 3 0.0399426%

result on testlist:

86.1111% 5 0.0810417%

epoch: 37% | learning rate: 0.300000

result on trainlist:

97.5% 2 0.0387736%

result on testlist:

86.1111% 5 0.0795023%

epoch: 38% | learning rate: 0.300000

result on trainlist:

97.5% 2 0.0376359%

result on testlist:

86.1111% 5 0.0780328%

epoch: 39% | learning rate: 0.300000

result on trainlist:

97.5% 2 0.0365255%

result on testlist:

86.1111% 5 0.0766273%

epoch: 40% | learning rate: 0.300000

result on trainlist:

97.5% 2 0.0354406%

result on testlist:

86.1111% 5 0.0752809%

epoch: 41% | learning rate: 0.300000

result on trainlist:

97.5% 2 0.0343805%

result on testlist:

86.1111% 5 0.0739896%

epoch: 42% | learning rate: 0.300000

result on trainlist:

97.5% 2 0.0333455%

result on testlist:

86.1111% 5 0.0727499%

epoch: 43% | learning rate: 0.300000

result on trainlist:

97.5% 2 0.0323367%

result on testlist:

86.1111% 5 0.0715591%

epoch: 44% | learning rate: 0.300000

result on trainlist:

97.5% 2 0.0313551%

result on testlist:

86.1111% 5 0.0704147%

epoch: 45% | learning rate: 0.300000

result on trainlist:

98.75% 1 0.0304022%

result on testlist:

86.1111% 5 0.0693149%

epoch: 46% | learning rate: 0.300000

result on trainlist:

100% 0 0.0294793%

result on testlist:

86.1111% 5 0.068258%

epoch: 47% | learning rate: 0.300000

result on trainlist:

100% 0 0.0285875%

result on testlist:

86.1111% 5 0.0672428%

epoch: 48% | learning rate: 0.300000

result on trainlist:

100% 0 0.027728%

result on testlist:

86.1111% 5 0.0662685%

epoch: 49% | learning rate: 0.300000

result on trainlist:

100% 0 0.0269015%

result on testlist:

86.1111% 5 0.0653345%

epoch: 50% | learning rate: 0.300000

result on trainlist:

100% 0 0.0261086%

result on testlist:

86.1111% 5 0.0644402%

epoch: 51% | learning rate: 0.300000

result on trainlist:

100% 0 0.0253495%

result on testlist:

86.1111% 5 0.0635854%

epoch: 52% | learning rate: 0.300000

result on trainlist:

100% 0 0.0246242%

result on testlist:

86.1111% 5 0.0627697%

epoch: 53% | learning rate: 0.300000

result on trainlist:

100% 0 0.0239324%

result on testlist:

86.1111% 5 0.0619928%

epoch: 54% | learning rate: 0.300000

result on trainlist:

100% 0 0.0232735%

result on testlist:

88.8889% 4 0.0612541%

epoch: 55% | learning rate: 0.300000

result on trainlist:

100% 0 0.0226467%

result on testlist:

88.8889% 4 0.060553%

epoch: 56% | learning rate: 0.300000

result on trainlist:

100% 0 0.0220508%

result on testlist:

88.8889% 4 0.0598884%

epoch: 57% | learning rate: 0.300000

result on trainlist:

100% 0 0.0214848%

result on testlist:

88.8889% 4 0.0592594%

epoch: 58% | learning rate: 0.300000

result on trainlist:

100% 0 0.0209472%

result on testlist:

91.6667% 3 0.0586645%

epoch: 59% | learning rate: 0.300000

result on trainlist:

100% 0 0.0204366%

result on testlist:

91.6667% 3 0.0581022%

epoch: 60% | learning rate: 0.300000

result on trainlist:

100% 0 0.0199513%

result on testlist:

91.6667% 3 0.0575707%

epoch: 61% | learning rate: 0.300000

result on trainlist:

100% 0 0.01949%

result on testlist:

91.6667% 3 0.0570682%

epoch: 62% | learning rate: 0.300000

result on trainlist:

100% 0 0.0190509%

result on testlist:

91.6667% 3 0.0565928%

epoch: 63% | learning rate: 0.300000

result on trainlist:

100% 0 0.0186326%

result on testlist:

91.6667% 3 0.0561427%

epoch: 64% | learning rate: 0.300000

result on trainlist:

100% 0 0.0182336%

result on testlist:

91.6667% 3 0.0557159%

epoch: 65% | learning rate: 0.300000

result on trainlist:

100% 0 0.0178526%

result on testlist:

91.6667% 3 0.0553107%

epoch: 66% | learning rate: 0.300000

result on trainlist:

100% 0 0.0174881%

result on testlist:

91.6667% 3 0.0549253%

epoch: 67% | learning rate: 0.300000

result on trainlist:

100% 0 0.0171391%

result on testlist:

91.6667% 3 0.0545583%

epoch: 68% | learning rate: 0.300000

result on trainlist:

100% 0 0.0168043%

result on testlist:

91.6667% 3 0.0542081%

epoch: 69% | learning rate: 0.300000

result on trainlist:

100% 0 0.0164827%

result on testlist:

91.6667% 3 0.0538734%

epoch: 70% | learning rate: 0.300000

result on trainlist:

100% 0 0.0161735%

result on testlist:

91.6667% 3 0.0535531%

epoch: 71% | learning rate: 0.300000

result on trainlist:

100% 0 0.0158756%

result on testlist:

91.6667% 3 0.0532461%

epoch: 72% | learning rate: 0.300000

result on trainlist:

100% 0 0.0155884%

result on testlist:

91.6667% 3 0.0529514%

epoch: 73% | learning rate: 0.300000

result on trainlist:

100% 0 0.015311%

result on testlist:

91.6667% 3 0.0526682%

epoch: 74% | learning rate: 0.300000

result on trainlist:

100% 0 0.015043%

result on testlist:

91.6667% 3 0.0523958%

epoch: 75% | learning rate: 0.300000

result on trainlist:

100% 0 0.0147836%

result on testlist:

91.6667% 3 0.0521334%

epoch: 76% | learning rate: 0.300000

result on trainlist:

100% 0 0.0145323%

result on testlist:

91.6667% 3 0.0518805%

epoch: 77% | learning rate: 0.300000

result on trainlist:

100% 0 0.0142887%

result on testlist:

91.6667% 3 0.0516366%

epoch: 78% | learning rate: 0.300000

result on trainlist:

100% 0 0.0140523%

result on testlist:

91.6667% 3 0.0514011%

epoch: 79% | learning rate: 0.300000

result on trainlist:

100% 0 0.0138227%

result on testlist:

91.6667% 3 0.0511737%

epoch: 80% | learning rate: 0.300000

result on trainlist:

100% 0 0.0135995%

result on testlist:

91.6667% 3 0.050954%

epoch: 81% | learning rate: 0.300000

result on trainlist:

100% 0 0.0133823%

result on testlist:

91.6667% 3 0.0507415%

epoch: 82% | learning rate: 0.300000

result on trainlist:

100% 0 0.0131709%

result on testlist:

91.6667% 3 0.050536%

epoch: 83% | learning rate: 0.300000

result on trainlist:

100% 0 0.012965%

result on testlist:

91.6667% 3 0.0503372%

epoch: 84% | learning rate: 0.300000

result on trainlist:

100% 0 0.0127643%

result on testlist:

91.6667% 3 0.0501447%

epoch: 85% | learning rate: 0.300000

result on trainlist:

100% 0 0.0125686%

result on testlist:

91.6667% 3 0.0499583%

epoch: 86% | learning rate: 0.300000

result on trainlist:

100% 0 0.0123776%

result on testlist:

91.6667% 3 0.0497778%

epoch: 87% | learning rate: 0.300000

result on trainlist:

100% 0 0.0121911%

result on testlist:

91.6667% 3 0.0496029%

epoch: 88% | learning rate: 0.300000

result on trainlist:

100% 0 0.012009%

result on testlist:

91.6667% 3 0.0494333%

epoch: 89% | learning rate: 0.300000

result on trainlist:

100% 0 0.011831%

result on testlist:

91.6667% 3 0.0492688%

epoch: 90% | learning rate: 0.300000

result on trainlist:

100% 0 0.0116569%

result on testlist:

91.6667% 3 0.0491093%

epoch: 91% | learning rate: 0.300000

result on trainlist:

100% 0 0.0114867%

result on testlist:

91.6667% 3 0.0489544%

epoch: 92% | learning rate: 0.300000

result on trainlist:

100% 0 0.0113202%

result on testlist:

91.6667% 3 0.0488039%

epoch: 93% | learning rate: 0.300000

result on trainlist:

100% 0 0.0111572%

result on testlist:

91.6667% 3 0.0486577%

epoch: 94% | learning rate: 0.300000

result on trainlist:

100% 0 0.0109977%

result on testlist:

91.6667% 3 0.0485155%

epoch: 95% | learning rate: 0.300000

result on trainlist:

100% 0 0.0108414%

result on testlist:

91.6667% 3 0.0483772%

epoch: 96% | learning rate: 0.300000

result on trainlist:

100% 0 0.0106883%

result on testlist:

91.6667% 3 0.0482425%

epoch: 97% | learning rate: 0.300000

result on trainlist:

100% 0 0.0105383%

result on testlist:

91.6667% 3 0.0481112%

epoch: 98% | learning rate: 0.300000

result on trainlist:

100% 0 0.0103913%

result on testlist:

91.6667% 3 0.0479832%

epoch: 99% | learning rate: 0.300000

result on trainlist:

100% 0 0.0102472%

result on testlist:

91.6667% 3 0.0478582%

Saving 960x100x20 network to 'mininetwork.net'

epoch: 100% | learning rate: 0.300000

result on trainlist:

100% 0 0.0101059%

result on testlist:

94.4444% 2 0.0477361%

epoch: 101% | learning rate: 0.300000

result on trainlist:

100% 0 0.0099673%

result on testlist:

94.4444% 2 0.0476168%

r: 0.009967

Test 1：

94.4444% 2 0.0476168%

Test 2：

87.5% 5 0.0652014%