Momentum = 0.5

Random number generator seed: 102194

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:

5% 76

result on testlist:

5.55556% 34

epoch: 1% | learning rate: 0.299700

result on trainlist:

5% 76

result on testlist:

8.33333% 33

epoch: 2% | learning rate: 0.299401

result on trainlist:

6.25% 75

result on testlist:

11.1111% 32

epoch: 3% | learning rate: 0.299103

result on trainlist:

10% 72

result on testlist:

13.8889% 31

epoch: 4% | learning rate: 0.298805

result on trainlist:

13.75% 69

result on testlist:

13.8889% 31

epoch: 5% | learning rate: 0.298507

result on trainlist:

13.75% 69

result on testlist:

13.8889% 31

epoch: 6% | learning rate: 0.298211

result on trainlist:

13.75% 69

result on testlist:

13.8889% 31

epoch: 7% | learning rate: 0.297915

result on trainlist:

16.25% 67

result on testlist:

16.6667% 30

epoch: 8% | learning rate: 0.297619

result on trainlist:

16.25% 67

result on testlist:

19.4444% 29

epoch: 9% | learning rate: 0.297324

result on trainlist:

25% 60

result on testlist:

19.4444% 29

epoch: 10% | learning rate: 0.297030

result on trainlist:

31.25% 55

result on testlist:

22.2222% 28

epoch: 11% | learning rate: 0.296736

result on trainlist:

48.75% 41

result on testlist:

36.1111% 23

epoch: 12% | learning rate: 0.296443

result on trainlist:

62.5% 30

result on testlist:

52.7778% 17

epoch: 13% | learning rate: 0.296150

result on trainlist:

70% 24

result on testlist:

58.3333% 15

epoch: 14% | learning rate: 0.295858

result on trainlist:

71.25% 23

result on testlist:

61.1111% 14

epoch: 15% | learning rate: 0.295567

result on trainlist:

76.25% 19

result on testlist:

61.1111% 14

epoch: 16% | learning rate: 0.295276

result on trainlist:

73.75% 21

result on testlist:

58.3333% 15

epoch: 17% | learning rate: 0.294985

result on trainlist:

72.5% 22

result on testlist:

58.3333% 15

epoch: 18% | learning rate: 0.294695

result on trainlist:

72.5% 22

result on testlist:

63.8889% 13

epoch: 19% | learning rate: 0.294406

result on trainlist:

75% 20

result on testlist:

63.8889% 13

epoch: 20% | learning rate: 0.294118

result on trainlist:

77.5% 18

result on testlist:

63.8889% 13

epoch: 21% | learning rate: 0.293830

result on trainlist:

80% 16

result on testlist:

63.8889% 13

epoch: 22% | learning rate: 0.293542

result on trainlist:

80% 16

result on testlist:

66.6667% 12

epoch: 23% | learning rate: 0.293255

result on trainlist:

81.25% 15

result on testlist:

69.4444% 11

epoch: 24% | learning rate: 0.292969

result on trainlist:

86.25% 11

result on testlist:

69.4444% 11

epoch: 25% | learning rate: 0.292683

result on trainlist:

88.75% 9

result on testlist:

75% 9

epoch: 26% | learning rate: 0.292398

result on trainlist:

96.25% 3

result on testlist:

77.7778% 8

epoch: 27% | learning rate: 0.292113

result on trainlist:

96.25% 3

result on testlist:

77.7778% 8

epoch: 28% | learning rate: 0.291829

result on trainlist:

96.25% 3

result on testlist:

80.5556% 7

epoch: 29% | learning rate: 0.291545

result on trainlist:

96.25% 3

result on testlist:

80.5556% 7

epoch: 30% | learning rate: 0.291262

result on trainlist:

96.25% 3

result on testlist:

80.5556% 7

epoch: 31% | learning rate: 0.290980

result on trainlist:

96.25% 3

result on testlist:

80.5556% 7

epoch: 32% | learning rate: 0.290698

result on trainlist:

96.25% 3

result on testlist:

83.3333% 6

epoch: 33% | learning rate: 0.290416

result on trainlist:

96.25% 3

result on testlist:

83.3333% 6

epoch: 34% | learning rate: 0.290135

result on trainlist:

96.25% 3

result on testlist:

86.1111% 5

epoch: 35% | learning rate: 0.289855

result on trainlist:

96.25% 3

result on testlist:

86.1111% 5

epoch: 36% | learning rate: 0.289575

result on trainlist:

96.25% 3

result on testlist:

86.1111% 5

epoch: 37% | learning rate: 0.289296

result on trainlist:

96.25% 3

result on testlist:

86.1111% 5

epoch: 38% | learning rate: 0.289017

result on trainlist:

97.5% 2

result on testlist:

86.1111% 5

epoch: 39% | learning rate: 0.288739

result on trainlist:

97.5% 2

result on testlist:

86.1111% 5

epoch: 40% | learning rate: 0.288462

result on trainlist:

97.5% 2

result on testlist:

88.8889% 4

epoch: 41% | learning rate: 0.288184

result on trainlist:

97.5% 2

result on testlist:

88.8889% 4

epoch: 42% | learning rate: 0.287908

result on trainlist:

97.5% 2

result on testlist:

88.8889% 4

epoch: 43% | learning rate: 0.287632

result on trainlist:

98.75% 1

result on testlist:

88.8889% 4

epoch: 44% | learning rate: 0.287356

result on trainlist:

98.75% 1

result on testlist:

88.8889% 4

epoch: 45% | learning rate: 0.287081

result on trainlist:

98.75% 1

result on testlist:

88.8889% 4

epoch: 46% | learning rate: 0.286807

result on trainlist:

98.75% 1

result on testlist:

88.8889% 4

epoch: 47% | learning rate: 0.286533

result on trainlist:

100% 0

result on testlist:

88.8889% 4

epoch: 48% | learning rate: 0.286260

result on trainlist:

100% 0

result on testlist:

88.8889% 4

epoch: 49% | learning rate: 0.285987

result on trainlist:

100% 0

result on testlist:

88.8889% 4

epoch: 50% | learning rate: 0.285714

result on trainlist:

100% 0

result on testlist:

88.8889% 4

epoch: 51% | learning rate: 0.285442

result on trainlist:

100% 0

result on testlist:

91.6667% 3

epoch: 52% | learning rate: 0.285171

result on trainlist:

100% 0

result on testlist:

91.6667% 3

epoch: 53% | learning rate: 0.284900

result on trainlist:

100% 0

result on testlist:

91.6667% 3

epoch: 54% | learning rate: 0.284630

result on trainlist:

100% 0

result on testlist:

91.6667% 3

epoch: 55% | learning rate: 0.284360

result on trainlist:

100% 0

result on testlist:

91.6667% 3

epoch: 56% | learning rate: 0.284091

result on trainlist:

100% 0

result on testlist:

91.6667% 3

epoch: 57% | learning rate: 0.283822

result on trainlist:

100% 0

result on testlist:

91.6667% 3

epoch: 58% | learning rate: 0.283554

result on trainlist:

100% 0

result on testlist:

91.6667% 3

epoch: 59% | learning rate: 0.283286

result on trainlist:

100% 0

result on testlist:

94.4444% 2

epoch: 60% | learning rate: 0.283019

result on trainlist:

100% 0

result on testlist:

94.4444% 2

epoch: 61% | learning rate: 0.282752

result on trainlist:

100% 0

result on testlist:

94.4444% 2

epoch: 62% | learning rate: 0.282486

result on trainlist:

100% 0

result on testlist:

94.4444% 2

epoch: 63% | learning rate: 0.282220

result on trainlist:

100% 0

result on testlist:

94.4444% 2

epoch: 64% | learning rate: 0.281955

result on trainlist:

100% 0

result on testlist:

94.4444% 2

epoch: 65% | learning rate: 0.281690

result on trainlist:

100% 0

result on testlist:

94.4444% 2

epoch: 66% | learning rate: 0.281426

result on trainlist:

100% 0

result on testlist:

94.4444% 2

epoch: 67% | learning rate: 0.281162

result on trainlist:

100% 0

result on testlist:

94.4444% 2

epoch: 68% | learning rate: 0.280899

result on trainlist:

100% 0

result on testlist:

94.4444% 2

epoch: 69% | learning rate: 0.280636

result on trainlist:

100% 0

result on testlist:

94.4444% 2

epoch: 70% | learning rate: 0.280374

result on trainlist:

100% 0

result on testlist:

94.4444% 2

epoch: 71% | learning rate: 0.280112

result on trainlist:

100% 0

result on testlist:

94.4444% 2

epoch: 72% | learning rate: 0.279851

result on trainlist:

100% 0

result on testlist:

94.4444% 2

epoch: 73% | learning rate: 0.279590

result on trainlist:

100% 0

result on testlist:

94.4444% 2

epoch: 74% | learning rate: 0.279330

result on trainlist:

100% 0

result on testlist:

94.4444% 2

epoch: 75% | learning rate: 0.279070

result on trainlist:

100% 0

result on testlist:

94.4444% 2

epoch: 76% | learning rate: 0.278810

result on trainlist:

100% 0

result on testlist:

94.4444% 2

epoch: 77% | learning rate: 0.278552

result on trainlist:

100% 0

result on testlist:

94.4444% 2

epoch: 78% | learning rate: 0.278293

result on trainlist:

100% 0

result on testlist:

94.4444% 2

epoch: 79% | learning rate: 0.278035

result on trainlist:

100% 0

result on testlist:

94.4444% 2

epoch: 80% | learning rate: 0.277778

result on trainlist:

100% 0

result on testlist:

94.4444% 2

epoch: 81% | learning rate: 0.277521

result on trainlist:

100% 0

result on testlist:

94.4444% 2

epoch: 82% | learning rate: 0.277264

result on trainlist:

100% 0

result on testlist:

94.4444% 2

epoch: 83% | learning rate: 0.277008

result on trainlist:

100% 0

result on testlist:

94.4444% 2

epoch: 84% | learning rate: 0.276753

result on trainlist:

100% 0

result on testlist:

94.4444% 2

epoch: 85% | learning rate: 0.276498

result on trainlist:

100% 0

result on testlist:

94.4444% 2

epoch: 86% | learning rate: 0.276243

result on trainlist:

100% 0

result on testlist:

94.4444% 2

epoch: 87% | learning rate: 0.275989

result on trainlist:

100% 0

result on testlist:

94.4444% 2

epoch: 88% | learning rate: 0.275735

result on trainlist:

100% 0

result on testlist:

94.4444% 2

epoch: 89% | learning rate: 0.275482

result on trainlist:

100% 0

result on testlist:

94.4444% 2

epoch: 90% | learning rate: 0.275229

result on trainlist:

100% 0

result on testlist:

94.4444% 2

epoch: 91% | learning rate: 0.274977

result on trainlist:

100% 0

result on testlist:

94.4444% 2

epoch: 92% | learning rate: 0.274725

result on trainlist:

100% 0

result on testlist:

94.4444% 2

epoch: 93% | learning rate: 0.274474

result on trainlist:

100% 0

result on testlist:

94.4444% 2

epoch: 94% | learning rate: 0.274223

result on trainlist:

100% 0

result on testlist:

94.4444% 2

epoch: 95% | learning rate: 0.273973

result on trainlist:

100% 0

result on testlist:

94.4444% 2

epoch: 96% | learning rate: 0.273723

result on trainlist:

100% 0

result on testlist:

94.4444% 2

epoch: 97% | learning rate: 0.273473

result on trainlist:

100% 0

result on testlist:

94.4444% 2

epoch: 98% | learning rate: 0.273224

result on trainlist:

100% 0

result on testlist:

94.4444% 2

epoch: 99% | learning rate: 0.272975

result on trainlist:

100% 0

result on testlist:

94.4444% 2

Saving 960x40x20 network to 'mininetwork.net'

Test 1：

94.4444% 2

Test 2：

87.5% 5