

```
File - keras train test
38
                                                1248065
39 c5 (Dense)
                              (None, 65)
   dropout_1[0][0]
40
41 c6 (Dense)
                              (None, 65)
                                                1248065
   dropout_1[0][0]
42
43 c7 (Dense)
                              (None, 65)
                                                 1248065
   dropout_1[0][0]
44
45 Total params: 9,023,463
46 Trainable params: 9,023,463
47 Non-trainable params: 0
48
49 save network picture
50 training network ...
51 Epoch 1/30
52 2019-07-25 13:02:50.543969: I tensorflow/core/platform/
   cpu_feature_guard.cc:141] Your CPU supports instructions that
   this TensorFlow binary was not compiled to use: AVX AVX2
53 2019-07-25 13:02:50.545969: I tensorflow/core/common runtime/
   process_util.cc:69] Creating new thread pool with default inter
   op setting: 8. Tune using inter_op_parallelism_threads for best
   performance.
54 - 101s - loss: 25.0745 - c1 loss: 3.5737 - c2 loss: 3.2702 -
   6380 - c7_Loss: 3.6348 - c1_acc: 0.0275 - c2_acc: 0.0553 - c3_acc
   0.0328 - c4_acc: 0.0281 - c5_acc: 0.0309 - c6_acc: 0.0338 -
   c7_acc: 0.0294 - val_loss: 24.3876 - val_c1_loss: 3.4925 -
   - val_c5_loss: 3.5753 - val_c6_loss: 3.5823 - val_c7_loss: 3.
   5838 - val c1 acc: 0.0469 - val c2 acc: 0.1094 - val c3 acc: 0.
```

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54 0125 - val_c7_acc: 0.0187
55 Epoch 2/30
56 - 98s - loss: 23.7819 - c1_loss: 3.4639 - c2_loss: 2.8508 -
  5402 - c7_loss: 3.5674 - c1_acc: 0.0431 - c2_acc: 0.1737 - c3_acc
  0.0731 - c4 acc: 0.0541 - c5 acc: 0.0453 - c6 acc: 0.0422 -
  c7_acc: 0.0372 - val_loss: 22.3428 - val_c1_loss: 3.3942 -
  - val c5 loss: 3.3389 - val c6 loss: 3.4995 - val c7 loss: 3.
  1969 - val_c4_acc: 0.1062 - val_c5_acc: 0.0875 - val_c6_acc: 0.
  0594 - val_c7_acc: 0.0437
57 Epoch 3/30
  - 98s - loss: 21.1734 - c1_loss: 3.3327 - c2_loss: 1.9451 -
  c3_loss: 2.7943 - c4_loss: 3.0343 - c5_loss: 3.2565 - c6_loss: 3.
  3823 - c7_loss: 3.4283 - c1_acc: 0.0806 - c2_acc: 0.4047 - c3_acc
  0.2003 - c4_acc: 0.1375 - c5_acc: 0.1038 - c6_acc: 0.0794 -
  c7_acc: 0.0694 - val_loss: 19.8375 - val_c1_loss: 3.1271 -
  - val_c5_loss: 3.1044 - val_c6_loss: 3.2348 - val_c7_loss: 3.
  1219 - val c7 acc: 0.0781
59 Epoch 4/30
60 - 98s - loss: 18.2465 - c1 loss: 2.9143 - c2 loss: 1.2283 -
  0.3572 - c4_acc: 0.2616 - c5_acc: 0.1803 - c6_acc: 0.1197 -
  c7 acc: 0.1050 - val loss: 16.0711 - val c1 loss: 2.4343 -
  - val_c5_loss: 2.6730 - val_c6_loss: 3.0398 - val_c7_loss: 3.
  1829 - val_c1_acc: 0.3156 - val_c2_acc: 0.7000 - val_c3_acc: 0.
  1562 - val_c7_acc: 0.1375
61 Epoch 5/30
62 - 98s - loss: 15.4060 - c1 loss: 2.2971 - c2 loss: 0.7851 -
```

c3_loss: 1.5933 - c4_loss: 2.0977 - c5_loss: 2.5454 - c6_loss: 2.

```
62 9679 - c7_loss: 3.1197 - c1_acc: 0.3503 - c2_acc: 0.7503 - c3_acc
   0.5031 - c4_acc: 0.3597 - c5_acc: 0.2637 - c6_acc: 0.1747 -
  c7_acc: 0.1544 - val_loss: 13.1079 - val_c1_loss: 1.7870 -
  val c2 loss: 0.4733 - val c3 loss: 1.2396 - val c4 loss: 1.6698
   - val_c5_loss: 2.3804 - val_c6_loss: 2.7161 - val_c7_loss: 2.
  8417 - val c1 acc: 0.4844 - val c2 acc: 0.8688 - val c3 acc: 0.
  6000 - val_c4_acc: 0.4562 - val_c5_acc: 0.3281 - val_c6_acc: 0.
  2406 - val_c7_acc: 0.2250
63 Epoch 6/30
64 - 98s - loss: 13.0432 - c1 loss: 1.8009 - c2 loss: 0.5180 -
  c3 loss: 1.1462 - c4 loss: 1.6860 - c5 loss: 2.2232 - c6 loss: 2.
  7532 - c7 loss: 2.9159 - c1 acc: 0.4681 - c2 acc: 0.8413 - c3 acc
   0.6444 - c4_acc: 0.4803 - c5_acc: 0.3581 - c6_acc: 0.2394 -
  c7_acc: 0.2072 - val_loss: 11.7290 - val_c1_loss: 1.6119 -
  - val_c5_loss: 1.9499 - val_c6_loss: 2.4559 - val_c7_loss: 2.
  7438 - val_c4_acc: 0.5719 - val_c5_acc: 0.4156 - val_c6_acc: 0.
  3031 - val c7 acc: 0.2250
65 Epoch 7/30
66 - 99s - loss: 10.8920 - c1 loss: 1.3732 - c2 loss: 0.3274 -
  c3 loss: 0.8218 - c4 loss: 1.3290 - c5 loss: 1.8904 - c6 loss: 2.
  5060 - c7_loss: 2.6442 - c1_acc: 0.5916 - c2_acc: 0.9056 - c3_acc
   0.7369 - c4_acc: 0.5941 - c5_acc: 0.4375 - c6_acc: 0.2966 -
  c7_acc: 0.2772 - val_loss: 9.8191 - val_c1_loss: 1.2540 -
  - val_c5_loss: 1.6562 - val_c6_loss: 2.3491 - val_c7_loss: 2.
  3406 - val_c7_acc: 0.2906
67 Epoch 8/30
68 l
  - 100s - loss: 9.7247 - c1 loss: 1.1550 - c2 loss: 0.2586 -
  3825 - c7_loss: 2.4677 - c1_acc: 0.6587 - c2_acc: 0.9284 - c3_acc
   0.7881 - c4 acc: 0.6594 - c5 acc: 0.5166 - c6 acc: 0.3522 -
  c7 acc: 0.3297 - val loss: 7.1941 - val c1 loss: 0.7432 -
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68 - val_c5_loss: 1.3284 - val_c6_loss: 1.9519 - val_c7_loss: 1.
  4531 - val c7 acc: 0.4469
69 Epoch 9/30
70 - 99s - loss: 8.6714 - c1 loss: 0.9496 - c2 loss: 0.2058 -
  . 2053 - c7_loss: 2. 2776 - c1_acc: 0. 7172 - c2_acc: 0. 9403 -
  c3 acc: 0.8319 - c4 acc: 0.7041 - c5 acc: 0.5637 - c6 acc: 0.
  - val_c2_loss: 0.1229 - val_c3_loss: 0.3634 - val_c4_loss: 0.
  8084 - val_c5_loss: 1.2299 - val_c6_loss: 1.9180 - val_c7_loss:
  .8938 - val_c4_acc: 0.7281 - val_c5_acc: 0.6469 - val_c6_acc: 0.
  4562 - val_c7_acc: 0.4500
71 Epoch 10/30
72 - 98s - loss: 7.8192 - c1_loss: 0.8178 - c2_loss: 0.1743 -
  . 0780 - c7_loss: 2. 1010 - c1_acc: 0. 7622 - c2_acc: 0. 9578 -
  c3_acc: 0.8609 - c4_acc: 0.7444 - c5_acc: 0.6072 - c6_acc: 0.
  - val_c2_loss: 0.3891 - val_c3_loss: 0.5662 - val_c4_loss: 0.
  7909 - val_c5_loss: 1.1447 - val_c6_loss: 1.7737 - val_c7_loss:
  .8812 - val_c4_acc: 0.8125 - val_c5_acc: 0.6750 - val_c6_acc: 0.
  5312 - val_c7_acc: 0.5406
73 Epoch 11/30
74 - 98s - loss: 6.9938 - c1_loss: 0.6634 - c2_loss: 0.1238 -
  c3 loss: 0.3733 - c4 loss: 0.7078 - c5 loss: 1.2273 - c6 loss: 1
  9543 - c7_loss: 1.9440 - c1_acc: 0.8100 - c2_acc: 0.9672 -
  c3_acc: 0.8797 - c4_acc: 0.7844 - c5_acc: 0.6416 - c6_acc: 0.
  - val_c2_loss: 0.0874 - val_c3_loss: 0.2931 - val_c4_loss: 0.
  5549 - val_c5_loss: 0.8962 - val_c6_loss: 1.6811 - val_c7_loss:
  1.6831 - val c1 acc: 0.8594 - val c2 acc: 0.9781 - val c3 acc: 0
  .9062 - val c4 acc: 0.8438 - val c5 acc: 0.7500 - val c6 acc: 0.
  5281 - val_c7_acc: 0.5312
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75 Epoch 12/30
76 - 98s - loss: 6.5108 - c1_loss: 0.5864 - c2_loss: 0.1032 -
  .8218 - c7_loss: 1.8386 - c1_acc: 0.8297 - c2_acc: 0.9734 -
  4831 - c7 acc: 0.4822 - val loss: 4.5397 - val c1 loss: 0.3100
  - val_c2_loss: 0.0274 - val_c3_loss: 0.1755 - val_c4_loss: 0.
  .9500 - val_c4_acc: 0.9062 - val_c5_acc: 0.8187 - val_c6_acc: 0.
  5875 - val c7 acc: 0.5750
77 Epoch 13/30
78 - 98s - loss: 6.5186 - c1_loss: 0.6331 - c2_loss: 0.1457 -
  .8334 - c7_loss: 1.7484 - c1_acc: 0.8269 - c2_acc: 0.9656 -
  c3_acc: 0.8975 - c4_acc: 0.8047 - c5_acc: 0.6791 - c6_acc: 0.
  - val_c2_loss: 0.3532 - val_c3_loss: 0.4834 - val_c4_loss: 0.
  6447 - val_c5_loss: 0.9089 - val_c6_loss: 1.5546 - val_c7_loss:
  9219 - val c4 acc: 0.8656 - val c5 acc: 0.7750 - val c6 acc: 0.
  6000 - val_c7_acc: 0.5219
79 Epoch 14/30
80 - 99s - loss: 5.5898 - c1 loss: 0.4821 - c2 loss: 0.0965 -
  c3 loss: 0.2858 - c4 loss: 0.5266 - c5 loss: 0.9348 - c6 loss: 1
  . 5865 - c7_loss: 1. 6775 - c1_acc: 0. 8672 - c2_acc: 0. 9772 -
  - val c2 loss: 0.1210 - val c3 loss: 0.2555 - val c4 loss: 0.
  9469 - val_c4_acc: 0.9094 - val_c5_acc: 0.8063 - val_c6_acc: 0.
  6500 - val_c7_acc: 0.6562
81 Epoch 15/30
82 - 100s - loss: 5.4091 - c1 loss: 0.4626 - c2 loss: 0.0804 -
  c3 loss: 0.2290 - c4 loss: 0.4491 - c5 loss: 0.9694 - c6 loss: 1
  .6277 - c7_loss: 1.5909 - c1_acc: 0.8656 - c2_acc: 0.9800 -
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82 c3_acc: 0.9266 - c4_acc: 0.8622 - c5_acc: 0.7197 - c6_acc: 0.
  - val_c2_loss: 0.0505 - val_c3_loss: 0.1591 - val_c4_loss: 0.
  3299 - val_c5_loss: 0.6766 - val_c6_loss: 1.3834 - val_c7_loss:
  9625 - val_c4_acc: 0.9000 - val_c5_acc: 0.7812 - val_c6_acc: 0.
  6219 - val c7 acc: 0.5375
83 Epoch 16/30
84 - 100s - loss: 5.0805 - c1 loss: 0.4483 - c2 loss: 0.0848 -
  c3 loss: 0.2301 - c4 loss: 0.4504 - c5 loss: 0.8352 - c6 loss: 1
  .5373 - c7_loss: 1.4944 - c1_acc: 0.8709 - c2_acc: 0.9819 -
  - val_c2_loss: 0.2146 - val_c3_loss: 0.2120 - val_c4_loss: 0.
  3009 - val_c5_loss: 0.6460 - val_c6_loss: 1.1414 - val_c7_loss:
  9406 - val_c4_acc: 0.9156 - val_c5_acc: 0.8313 - val_c6_acc: 0.
  6844 - val_c7_acc: 0.6594
85 Epoch 17/30
86 - 99s - loss: 4.6637 - c1 loss: 0.3883 - c2 loss: 0.0573 -
  c3 loss: 0.1769 - c4 loss: 0.3869 - c5 loss: 0.8059 - c6 loss: 1
  .4470 - c7 loss: 1.4014 - c1 acc: 0.8797 - c2 acc: 0.9844 -
  c3_acc: 0.9466 - c4_acc: 0.8750 - c5_acc: 0.7700 - c6_acc: 0.
  - val_c2_loss: 0.0804 - val_c3_loss: 0.1680 - val_c4_loss: 0.
  9656 - val_c4_acc: 0.9281 - val_c5_acc: 0.8187 - val_c6_acc: 0.
  6969 - val c7 acc: 0.6000
87 Epoch 18/30
88 - 99s - loss: 4.4785 - c1_loss: 0.3705 - c2_loss: 0.0550 -
  . 3921 - c7_loss: 1. 3508 - c1_acc: 0. 8884 - c2_acc: 0. 9856 -
  c3_acc: 0.9416 - c4_acc: 0.8887 - c5_acc: 0.7806 - c6_acc: 0.
  6147 - c7 acc: 0.6138 - val loss: 3.3407 - val c1 loss: 0.2194
  - val c2 loss: 0.0187 - val c3 loss: 0.0895 - val c4 loss: 0.
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88 1.0599 - val_c1_acc: 0.9437 - val_c2_acc: 0.9969 - val_c3_acc: 0
  9750 - val_c4_acc: 0.9313 - val_c5_acc: 0.8562 - val_c6_acc: 0.
  6594 - val_c7_acc: 0.7031
89 Epoch 19/30
90 - 99s - loss: 4.3458 - c1_loss: 0.3216 - c2_loss: 0.0494 -
  c3 loss: 0.1640 - c4 loss: 0.3690 - c5 loss: 0.7235 - c6 loss: 1
  . 3978 - c7_loss: 1. 3205 - c1_acc: 0. 9128 - c2_acc: 0. 9875 -
  c3_acc: 0.9528 - c4_acc: 0.8913 - c5_acc: 0.7894 - c6_acc: 0.
  6322 - c7 acc: 0.6234 - val loss: 3.3911 - val c1 loss: 0.2459
  - val_c2_loss: 0.0328 - val_c3_loss: 0.1245 - val_c4_loss: 0.
  2662 - val_c5_loss: 0.5132 - val_c6_loss: 1.2327 - val_c7_loss:
  .9594 - val_c4_acc: 0.9375 - val_c5_acc: 0.8438 - val_c6_acc: 0
  6469 - val_c7_acc: 0.7156
91 Epoch 20/30
92 - 99s - loss: 4.2423 - c1_loss: 0.3245 - c2_loss: 0.0555 -
  . 3620 - c7_loss: 1.2949 - c1_acc: 0.9031 - c2_acc: 0.9863 -
  c3_acc: 0.9503 - c4_acc: 0.9069 - c5_acc: 0.7919 - c6_acc: 0.
  6253 - c7 acc: 0.6394 - val loss: 2.8446 - val c1 loss: 0.1077
  - val_c2_loss: 0.0252 - val_c3_loss: 0.1075 - val_c4_loss: 0.
  1569 - val_c5_loss: 0.5513 - val_c6_loss: 1.0119 - val_c7_loss:
  9719 - val_c4_acc: 0.9469 - val_c5_acc: 0.8500 - val_c6_acc: 0.
  7094 - val_c7_acc: 0.7500
93 Epoch 21/30
94 - 100s - loss: 4.0313 - c1_loss: 0.3163 - c2_loss: 0.0492 -
  .3127 - c7 loss: 1.1766 - c1 acc: 0.9072 - c2 acc: 0.9872 -
  - val_c2_loss: 0.0152 - val_c3_loss: 0.0698 - val_c4_loss: 0.
  9812 - val c4 acc: 0.9250 - val c5 acc: 0.8719 - val c6 acc: 0.
  6469 - val c7 acc: 0.6875
95 Epoch 22/30
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96 - 98s - loss: 4.0590 - c1_loss: 0.3216 - c2_loss: 0.0820 -
  . 3482 - c7_loss: 1.1385 - c1_acc: 0.9078 - c2_acc: 0.9844 -
  c3_acc: 0.9578 - c4_acc: 0.9059 - c5_acc: 0.8119 - c6_acc: 0.
  - val c2 loss: 0.0772 - val c3 loss: 0.0690 - val c4 loss: 0.
  1529 - val_c5_loss: 0.4257 - val_c6_loss: 0.9604 - val_c7_loss:
  9844 - val c4 acc: 0.9625 - val c5 acc: 0.8656 - val c6 acc: 0.
  7188 - val c7 acc: 0.7719
97 Epoch 23/30
98 - 98s - loss: 3.6878 - c1 loss: 0.2846 - c2 loss: 0.0369 -
  . 2321 - c7_loss: 1.1594 - c1_acc: 0.9163 - c2_acc: 0.9900 -
  c3_acc: 0.9656 - c4_acc: 0.9125 - c5_acc: 0.8291 - c6_acc: 0.
  - val_c2_loss: 0.0134 - val_c3_loss: 0.0657 - val_c4_loss: 0.
  1412 - val_c5_loss: 0.4315 - val_c6_loss: 0.9275 - val_c7_loss:
  .9844 - val c4 acc: 0.9531 - val c5 acc: 0.8719 - val c6 acc: 0.
  7562 - val c7 acc: 0.7312
99 Epoch 24/30
100 - 99s - loss: 3.5475 - c1_loss: 0.2712 - c2_loss: 0.0498 -
  c3 loss: 0.1342 - c4 loss: 0.2276 - c5 loss: 0.5861 - c6 loss: 1
   . 2106 - c7 loss: 1.0681 - c1 acc: 0.9200 - c2 acc: 0.9903 -
  c3_acc: 0.9644 - c4_acc: 0.9297 - c5_acc: 0.8278 - c6_acc: 0.
  - val_c2_loss: 0.0669 - val_c3_loss: 0.1226 - val_c4_loss: 0.
  2241 - val_c5_loss: 0.3439 - val_c6_loss: 0.8417 - val_c7_loss:
  9812 - val_c4_acc: 0.9437 - val_c5_acc: 0.9125 - val_c6_acc: 0.
  7562 - val c7 acc: 0.7750
101 Epoch 25/30
102 - 157s - loss: 3.3484 - c1_loss: 0.2657 - c2_loss: 0.0370 -
  c3 loss: 0.1294 - c4 loss: 0.2447 - c5 loss: 0.5424 - c6 loss: 1
   . 1732 - c7 loss: 0. 9559 - c1 acc: 0. 9263 - c2 acc: 0. 9906 -
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102 6925 - c7_acc: 0.7288 - val_loss: 2.6507 - val_c1_loss: 0.1098
   - val_c2_loss: 0.0140 - val_c3_loss: 0.0751 - val_c4_loss: 0.
  1695 - val_c5_loss: 0.4860 - val_c6_loss: 0.9551 - val_c7_loss:
  9750 - val_c4_acc: 0.9563 - val_c5_acc: 0.8625 - val_c6_acc: 0.
  7438 - val c7 acc: 0.7750
103 Epoch 26/30
104 - 159s - loss: 3.6183 - c1_loss: 0.2775 - c2 loss: 0.0433 -
  c3 loss: 0.1177 - c4 loss: 0.2698 - c5 loss: 0.6097 - c6 loss: 1
   . 2262 - c7 loss: 1.0742 - c1 acc: 0.9172 - c2 acc: 0.9878 -
  c3 acc: 0.9647 - c4 acc: 0.9153 - c5 acc: 0.8278 - c6 acc: 0.
  - val_c2_loss: 0.0145 - val_c3_loss: 0.0891 - val_c4_loss: 0.
  .9781 - val_c4_acc: 0.9531 - val_c5_acc: 0.8750 - val_c6_acc: 0.
  7656 - val_c7_acc: 0.7219
105 Epoch 27/30
106 - 167s - loss: 3.3414 - c1_loss: 0.2519 - c2_loss: 0.0351 -
  . 1702 - c7 loss: 0.9625 - c1 acc: 0.9228 - c2 acc: 0.9916 -
  c3 acc: 0.9606 - c4 acc: 0.9247 - c5 acc: 0.8391 - c6 acc: 0.
  - val_c2_loss: 0.0163 - val_c3_loss: 0.0689 - val_c4_loss: 0.
  1771 - val_c5_loss: 0.4120 - val_c6_loss: 0.9200 - val_c7_loss:
  9750 - val_c4_acc: 0.9437 - val_c5_acc: 0.8875 - val_c6_acc: 0.
  7531 - val_c7_acc: 0.7906
107 Epoch 28/30
108 - 143s - loss: 3.1834 - c1_loss: 0.2554 - c2_loss: 0.0360 -
  .0707 - c7_loss: 0.9980 - c1_acc: 0.9275 - c2_acc: 0.9903 -
  c3_acc: 0.9725 - c4_acc: 0.9381 - c5_acc: 0.8556 - c6_acc: 0.
  - val c2 loss: 0.0307 - val c3 loss: 0.0467 - val c4 loss: 0.
  1292 - val_c5_loss: 0.3628 - val_c6_loss: 0.7724 - val_c7_loss:
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108 . 9906 - val_c4_acc: 0. 9563 - val_c5_acc: 0. 9156 - val_c6_acc: 0.
   7969 - val_c7_acc: 0.7688
109 Epoch 29/30
110 - 152s - Loss: 3.1178 - c1_Loss: 0.2217 - c2_Loss: 0.0314 -
   c3_loss: 0.0987 - c4_loss: 0.2077 - c5_loss: 0.5032 - c6_loss: 1
   .1178 - c7 loss: 0.9373 - c1 acc: 0.9350 - c2 acc: 0.9919 -
   c3_acc: 0.9675 - c4_acc: 0.9347 - c5_acc: 0.8538 - c6_acc: 0.
   - val c2 loss: 0.0227 - val c3 loss: 0.0596 - val c4 loss: 0.
   1743 - val_c5_loss: 0.4425 - val_c6_loss: 0.8760 - val_c7_loss:
   0.7995 - val c1 acc: 0.9375 - val c2 acc: 0.9938 - val c3 acc: 0
    9844 - val_c4_acc: 0.9500 - val_c5_acc: 0.8719 - val_c6_acc: 0.
   7312 - val_c7_acc: 0.7562
111 Epoch 30/30
- 153s - loss: 2.9808 - c1_loss: 0.2352 - c2_loss: 0.0231 -
   .0300 - c7_loss: 0.8918 - c1_acc: 0.9278 - c2_acc: 0.9953 -
   c3_acc: 0.9712 - c4_acc: 0.9334 - c5_acc: 0.8550 - c6_acc: 0.
   - val_c2_loss: 0.0304 - val_c3_loss: 0.0572 - val_c4_loss: 0.
   1624 - val_c5_loss: 0.4353 - val_c6_loss: 1.0561 - val_c7_loss:
   9875 - val_c4_acc: 0.9531 - val_c5_acc: 0.8688 - val_c6_acc: 0.
   7375 - val c7 acc: 0.7500
113 loading plate data ...
114 picture Screen Shot 2016-08-07 at 12.51.56 AM. png size error,
   maybe resize before load!
115 picture Screen Shot 2016-08-07 at 12.53.41 AM. png size error,
   maybe resize before load!
116 picture Screen Shot 2016-08-07 at 12.55.45 AM. png size error,
   maybe resize before load!
117 test_name ['00', '01', '02', '03', '04', '05', '06', '07', '08
    , '09', '10', '11', '12']
118 load the trained model
119 ############model predict#############
120 results type : <class 'list'>
121 results type : <class 'numpy.ndarray'>
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File - ke		
159	key	U
160	key	4
161	key	冀
162	key	P
163	key	6
164	key	X
165	key	S
166	key	2
167	key	P
168	key	陕
169	key	C
170	key	C
171	key	Q
172	key	3
173	key	T
174	key	P
175	key	渝
176	key	N
177	key	G
178	key	P 2
179	key	
180	key	X
181	key	Y
182	key	甘
183	key	P G
184	key	
185	key	M
186	key	X R
187	key	K 7
188 189	key	以 1
	key	陕 V
190 191	key	V O
191	key key	T
192	key key	Λ
173	кеу	А

194 key H 195 key B

```
File - keras_train_test
196 key 贵
197 key Y
198 key K
199 key Z
200 key 5
201 key E
202 key M
203 key 云
204 key P
205 key 1
206 key 2
207 key K
208 key 0
209 key 0
210 key 冀
211 key Z
212 key 2
213 key 0
214 key R
215 key D
216 key U
217 key 赣
218 key G
219 key 8
220 key K
221 key Z
222 key 5
223 key 6
224 key 粤
225 key M
226 key P
227 key P
228 key T
229 key U
230 key F
231 predict_plate_str type : <class 'list'>
232 predict_plate_str
```