Mobile Net 实验记录

第一步：利用caffe自带的工具生成LMDB数据集

第二部：利用python搭建简单的MobileNet结构。

问题一：内存不足问题

通过减小train batch size解决

问题二：误差无限大问题

Test net output #0: loss = -nan (\* 1 = -nan loss)Killed

1）进一步减少train batch size 设置学习率为0.001

结果无效

1. lr\_policy改为fixed 减小test batch size 有效果

I0612 06:13:40.917232 2767 solver.cpp:560] Iteration 0, Testing net (#0)

I0612 06:14:11.711779 2767 solver.cpp:644] Test net output #0: loss = -nan (\* 1 = -nan loss)

I0612 06:14:17.824746 2767 solver.cpp:313] Iteration 0, loss = 4.61512

I0612 06:14:17.824798 2767 solver.cpp:329] Train net output #0: loss = 4.61512 (\* 1 = 4.61512 loss)

I0612 06:14:17.824813 2767 sgd\_solver.cpp:176] Iteration 0, lr = 0.001

I0612 06:24:22.464193 2767 solver.cpp:313] Iteration 100, loss = 4.2267

I0612 06:24:22.464301 2767 solver.cpp:329] Train net output #0: loss = 4.2267 (\* 1 = 4.2267 loss)

I0612 06:24:22.464318 2767 sgd\_solver.cpp:176] Iteration 100, lr = 0.001

I0612 06:34:28.338536 2767 solver.cpp:313] Iteration 200, loss = 3.92748

I0612 06:34:28.338655 2767 solver.cpp:329] Train net output #0: loss = 3.92748 (\* 1 = 3.92748 loss)

I0612 06:34:28.338672 2767 sgd\_solver.cpp:176] Iteration 200, lr = 0.001

I0612 06:44:34.400316 2767 solver.cpp:313] Iteration 300, loss = 4.44993

I0612 06:44:34.400436 2767 solver.cpp:329] Train net output #0: loss = 4.44993 (\* 1 = 4.44993 loss)

I0612 06:44:34.400452 2767 sgd\_solver.cpp:176] Iteration 300, lr = 0.001

I0612 06:54:40.975806 2767 solver.cpp:313] Iteration 400, loss = 4.4375

I0612 06:54:40.975942 2767 solver.cpp:329] Train net output #0: loss = 4.4375 (\* 1 = 4.4375 loss)

I0612 06:54:40.975976 2767 sgd\_solver.cpp:176] Iteration 400, lr = 0.001

I0612 07:04:41.062839 2767 solver.cpp:560] Iteration 500, Testing net (#0)

I0612 07:05:13.249862 2767 solver.cpp:644] Test net output #0: loss = 4.03555 (\* 1 = 4.03555 loss)

I0612 07:05:19.242702 2767 solver.cpp:313] Iteration 500, loss = 3.9721

I0612 07:05:19.242750 2767 solver.cpp:329] Train net output #0: loss = 3.9721 (\* 1 = 3.9721 loss)

I0612 07:05:19.242765 2767 sgd\_solver.cpp:176] Iteration 500, lr = 0.001

I0612 07:15:24.349334 2767 solver.cpp:313] Iteration 600, loss = 4.09525

I0612 07:15:24.349432 2767 solver.cpp:329] Train net output #0: loss = 4.09525 (\* 1 = 4.09525 loss)

I0612 07:15:24.349449 2767 sgd\_solver.cpp:176] Iteration 600, lr = 0.001

I0612 07:25:30.366443 2767 solver.cpp:313] Iteration 700, loss = 4.33172

I0612 07:25:30.366530 2767 solver.cpp:329] Train net output #0: loss = 4.33172 (\* 1 = 4.33172 loss)

I0612 07:25:30.366546 2767 sgd\_solver.cpp:176] Iteration 700, lr = 0.001

I0612 07:35:35.702283 2767 solver.cpp:313] Iteration 800, loss = 3.08949

I0612 07:35:35.702410 2767 solver.cpp:329] Train net output #0: loss = 3.08949 (\* 1 = 3.08949 loss)

I0612 07:35:35.702428 2767 sgd\_solver.cpp:176] Iteration 800, lr = 0.001

I0612 07:45:40.915079 2767 solver.cpp:313] Iteration 900, loss = 3.49518

I0612 07:45:40.915194 2767 solver.cpp:329] Train net output #0: loss = 3.49518 (\* 1 = 3.49518 loss)

I0612 07:45:40.915216 2767 sgd\_solver.cpp:176] Iteration 900, lr = 0.001

I0612 07:55:38.932991 2767 solver.cpp:560] Iteration 1000, Testing net (#0)

I0612 07:56:11.140240 2767 solver.cpp:644] Test net output #0: loss = 3.56499 (\* 1 = 3.56499 loss)

I0612 07:56:17.134773 2767 solver.cpp:313] Iteration 1000, loss = 3.61327

I0612 07:56:17.134819 2767 solver.cpp:329] Train net output #0: loss = 3.61327 (\* 1 = 3.61327 loss)

I0612 07:56:17.134835 2767 sgd\_solver.cpp:176] Iteration 1000, lr = 0.001

I0612 08:06:21.489377 2767 solver.cpp:313] Iteration 1100, loss = 3.58923

I0612 08:06:21.489501 2767 solver.cpp:329] Train net output #0: loss = 3.58923 (\* 1 = 3.58923 loss)

I0612 08:06:21.489531 2767 sgd\_solver.cpp:176] Iteration 1100, lr = 0.001

I0612 08:16:27.372416 2767 solver.cpp:313] Iteration 1200, loss = 3.10614

I0612 08:16:27.372517 2767 solver.cpp:329] Train net output #0: loss = 3.10614 (\* 1 = 3.10614 loss)

I0612 08:16:27.372535 2767 sgd\_solver.cpp:176] Iteration 1200, lr = 0.001

I0612 08:26:31.473129 2767 solver.cpp:313] Iteration 1300, loss = 3.28246

I0612 08:26:31.473247 2767 solver.cpp:329] Train net output #0: loss = 3.28246 (\* 1 = 3.28246 loss)

I0612 08:26:31.473270 2767 sgd\_solver.cpp:176] Iteration 1300, lr = 0.001

I0612 08:36:35.615525 2767 solver.cpp:313] Iteration 1400, loss = 3.13312

I0612 08:36:35.615633 2767 solver.cpp:329] Train net output #0: loss = 3.13312 (\* 1 = 3.13312 loss)

I0612 08:36:35.615656 2767 sgd\_solver.cpp:176] Iteration 1400, lr = 0.001

I0612 08:46:34.106998 2767 solver.cpp:560] Iteration 1500, Testing net (#0)

I0612 08:47:06.367357 2767 solver.cpp:644] Test net output #0: loss = 3.18289 (\* 1 = 3.18289 loss)

I0612 08:47:12.463938 2767 solver.cpp:313] Iteration 1500, loss = 2.65016

I0612 08:47:12.463990 2767 solver.cpp:329] Train net output #0: loss = 2.65016 (\* 1 = 2.65016 loss)

I0612 08:47:12.464013 2767 sgd\_solver.cpp:176] Iteration 1500, lr = 0.001

I0612 08:57:17.649855 2767 solver.cpp:313] Iteration 1600, loss = 3.06598

I0612 08:57:17.649979 2767 solver.cpp:329] Train net output #0: loss = 3.06598 (\* 1 = 3.06598 loss)

I0612 08:57:17.650010 2767 sgd\_solver.cpp:176] Iteration 1600, lr = 0.001

I0612 09:07:22.649538 2767 solver.cpp:313] Iteration 1700, loss = 4.19063

I0612 09:07:22.649641 2767 solver.cpp:329] Train net output #0: loss = 4.19063 (\* 1 = 4.19063 loss)

I0612 09:07:22.649664 2767 sgd\_solver.cpp:176] Iteration 1700, lr = 0.001

I0612 09:17:27.335491 2767 solver.cpp:313] Iteration 1800, loss = 2.64557

I0612 09:17:27.335593 2767 solver.cpp:329] Train net output #0: loss = 2.64557 (\* 1 = 2.64557 loss)

I0612 09:17:27.335609 2767 sgd\_solver.cpp:176] Iteration 1800, lr = 0.001

I0612 09:27:32.763741 2767 solver.cpp:313] Iteration 1900, loss = 3.2029

I0612 09:27:32.763855 2767 solver.cpp:329] Train net output #0: loss = 3.2029 (\* 1 = 3.2029 loss)

I0612 09:27:32.763880 2767 sgd\_solver.cpp:176] Iteration 1900, lr = 0.001

I0612 09:37:30.987301 2767 solver.cpp:560] Iteration 2000, Testing net (#0)

I0612 09:38:03.179975 2767 solver.cpp:644] Test net output #0: loss = 3.41597 (\* 1 = 3.41597 loss)

I0612 09:38:09.165372 2767 solver.cpp:313] Iteration 2000, loss = 3.27068

I0612 09:38:09.165423 2767 solver.cpp:329] Train net output #0: loss = 3.27068 (\* 1 = 3.27068 loss)

I0612 09:38:09.165436 2767 sgd\_solver.cpp:176] Iteration 2000, lr = 0.001

I0612 09:48:13.636387 2767 solver.cpp:313] Iteration 2100, loss = 3.8955

I0612 09:48:13.636485 2767 solver.cpp:329] Train net output #0: loss = 3.8955 (\* 1 = 3.8955 loss)

I0612 09:48:13.636502 2767 sgd\_solver.cpp:176] Iteration 2100, lr = 0.001

I0612 09:58:18.310334 2767 solver.cpp:313] Iteration 2200, loss = 3.34676

I0612 09:58:18.310420 2767 solver.cpp:329] Train net output #0: loss = 3.34676 (\* 1 = 3.34676 loss)

I0612 09:58:18.310437 2767 sgd\_solver.cpp:176] Iteration 2200, lr = 0.001

I0612 10:08:22.911265 2767 solver.cpp:313] Iteration 2300, loss = 2.91409

I0612 10:08:22.911355 2767 solver.cpp:329] Train net output #0: loss = 2.91409 (\* 1 = 2.91409 loss)

I0612 10:08:22.911371 2767 sgd\_solver.cpp:176] Iteration 2300, lr = 0.001

I0612 10:18:27.151799 2767 solver.cpp:313] Iteration 2400, loss = 3.01021

I0612 10:18:27.151880 2767 solver.cpp:329] Train net output #0: loss = 3.01021 (\* 1 = 3.01021 loss)

I0612 10:18:27.151901 2767 sgd\_solver.cpp:176] Iteration 2400, lr = 0.001

I0612 10:28:25.874922 2767 solver.cpp:560] Iteration 2500, Testing net (#0)

I0612 10:28:57.732854 2767 solver.cpp:644] Test net output #0: loss = 2.96614 (\* 1 = 2.96614 loss)

I0612 10:29:03.721678 2767 solver.cpp:313] Iteration 2500, loss = 3.40859

I0612 10:29:03.721726 2767 solver.cpp:329] Train net output #0: loss = 3.40859 (\* 1 = 3.40859 loss)

I0612 10:29:03.721745 2767 sgd\_solver.cpp:176] Iteration 2500, lr = 0.001

I0612 10:39:09.749006 2767 solver.cpp:313] Iteration 2600, loss = 2.90795

I0612 10:39:09.749096 2767 solver.cpp:329] Train net output #0: loss = 2.90795 (\* 1 = 2.90795 loss)

I0612 10:39:09.749114 2767 sgd\_solver.cpp:176] Iteration 2600, lr = 0.001

I0612 10:49:14.186060 2767 solver.cpp:313] Iteration 2700, loss = 3.05478

I0612 10:49:14.186211 2767 solver.cpp:329] Train net output #0: loss = 3.05478 (\* 1 = 3.05478 loss)

I0612 10:49:14.186228 2767 sgd\_solver.cpp:176] Iteration 2700, lr = 0.001

I0612 10:59:19.535629 2767 solver.cpp:313] Iteration 2800, loss = 2.80429

I0612 10:59:19.535715 2767 solver.cpp:329] Train net output #0: loss = 2.80429 (\* 1 = 2.80429 loss)

I0612 10:59:19.535732 2767 sgd\_solver.cpp:176] Iteration 2800, lr = 0.001

I0612 11:09:24.367362 2767 solver.cpp:313] Iteration 2900, loss = 2.80826

I0612 11:09:24.367441 2767 solver.cpp:329] Train net output #0: loss = 2.80826 (\* 1 = 2.80826 loss)

I0612 11:09:24.367456 2767 sgd\_solver.cpp:176] Iteration 2900, lr = 0.001

I0612 11:19:23.286794 2767 solver.cpp:560] Iteration 3000, Testing net (#0)

I0612 11:19:55.230512 2767 solver.cpp:644] Test net output #0: loss = 2.62595 (\* 1 = 2.62595 loss)

I0612 11:20:01.228736 2767 solver.cpp:313] Iteration 3000, loss = 2.60832

I0612 11:20:01.228788 2767 solver.cpp:329] Train net output #0: loss = 2.60832 (\* 1 = 2.60832 loss)

I0612 11:20:01.228803 2767 sgd\_solver.cpp:176] Iteration 3000, lr = 0.001

I0612 11:30:06.591639 2767 solver.cpp:313] Iteration 3100, loss = 2.9633

I0612 11:30:06.591742 2767 solver.cpp:329] Train net output #0: loss = 2.9633 (\* 1 = 2.9633 loss)

I0612 11:30:06.591766 2767 sgd\_solver.cpp:176] Iteration 3100, lr = 0.001

I0612 11:40:11.128787 2767 solver.cpp:313] Iteration 3200, loss = 2.6623

I0612 11:40:11.128916 2767 solver.cpp:329] Train net output #0: loss = 2.6623 (\* 1 = 2.6623 loss)

I0612 11:40:11.128955 2767 sgd\_solver.cpp:176] Iteration 3200, lr = 0.001

I0612 11:50:16.482741 2767 solver.cpp:313] Iteration 3300, loss = 2.57836

I0612 11:50:16.482842 2767 solver.cpp:329] Train net output #0: loss = 2.57836 (\* 1 = 2.57836 loss)

I0612 11:50:16.482866 2767 sgd\_solver.cpp:176] Iteration 3300, lr = 0.001

I0612 12:00:22.244029 2767 solver.cpp:313] Iteration 3400, loss = 2.58519

I0612 12:00:22.244139 2767 solver.cpp:329] Train net output #0: loss = 2.58519 (\* 1 = 2.58519 loss)

I0612 12:00:22.244155 2767 sgd\_solver.cpp:176] Iteration 3400, lr = 0.001

I0612 12:10:20.655956 2767 solver.cpp:560] Iteration 3500, Testing net (#0)

I0612 12:10:52.637682 2767 solver.cpp:644] Test net output #0: loss = 2.61903 (\* 1 = 2.61903 loss)

I0612 12:10:58.623801 2767 solver.cpp:313] Iteration 3500, loss = 2.20071

I0612 12:10:58.623850 2767 solver.cpp:329] Train net output #0: loss = 2.20071 (\* 1 = 2.20071 loss)

I0612 12:10:58.623869 2767 sgd\_solver.cpp:176] Iteration 3500, lr = 0.001

I0612 12:21:03.978431 2767 solver.cpp:313] Iteration 3600, loss = 2.2636

I0612 12:21:03.978520 2767 solver.cpp:329] Train net output #0: loss = 2.2636 (\* 1 = 2.2636 loss)

I0612 12:21:03.978543 2767 sgd\_solver.cpp:176] Iteration 3600, lr = 0.001

I0612 12:31:08.640974 2767 solver.cpp:313] Iteration 3700, loss = 2.65629

I0612 12:31:08.641077 2767 solver.cpp:329] Train net output #0: loss = 2.65629 (\* 1 = 2.65629 loss)

I0612 12:31:08.641096 2767 sgd\_solver.cpp:176] Iteration 3700, lr = 0.001

I0612 12:41:12.406239 2767 solver.cpp:313] Iteration 3800, loss = 1.62351

I0612 12:41:12.406347 2767 solver.cpp:329] Train net output #0: loss = 1.62351 (\* 1 = 1.62351 loss)

I0612 12:41:12.406368 2767 sgd\_solver.cpp:176] Iteration 3800, lr = 0.001

I0612 12:51:17.931830 2767 solver.cpp:313] Iteration 3900, loss = 2.12025

I0612 12:51:17.931951 2767 solver.cpp:329] Train net output #0: loss = 2.12025 (\* 1 = 2.12025 loss)

I0612 12:51:17.931977 2767 sgd\_solver.cpp:176] Iteration 3900, lr = 0.001

I0612 13:01:17.093403 2767 solver.cpp:560] Iteration 4000, Testing net (#0)

I0612 13:01:49.012655 2767 solver.cpp:644] Test net output #0: loss = 2.47719 (\* 1 = 2.47719 loss)

I0612 13:01:55.010869 2767 solver.cpp:313] Iteration 4000, loss = 1.88546

I0612 13:01:55.010921 2767 solver.cpp:329] Train net output #0: loss = 1.88546 (\* 1 = 1.88546 loss)

I0612 13:01:55.010934 2767 sgd\_solver.cpp:176] Iteration 4000, lr = 0.001

I0612 13:12:00.962055 2767 solver.cpp:313] Iteration 4100, loss = 2.92749

I0612 13:12:00.962188 2767 solver.cpp:329] Train net output #0: loss = 2.92749 (\* 1 = 2.92749 loss)

I0612 13:12:00.962209 2767 sgd\_solver.cpp:176] Iteration 4100, lr = 0.001

I0612 13:22:08.088016 2767 solver.cpp:313] Iteration 4200, loss = 1.36862

I0612 13:22:08.088132 2767 solver.cpp:329] Train net output #0: loss = 1.36862 (\* 1 = 1.36862 loss)

I0612 13:22:08.088150 2767 sgd\_solver.cpp:176] Iteration 4200, lr = 0.001

I0612 13:32:12.413836 2767 solver.cpp:313] Iteration 4300, loss = 2.36661

I0612 13:32:12.413920 2767 solver.cpp:329] Train net output #0: loss = 2.36661 (\* 1 = 2.36661 loss)

I0612 13:32:12.413941 2767 sgd\_solver.cpp:176] Iteration 4300, lr = 0.001

I0612 13:42:18.503345 2767 solver.cpp:313] Iteration 4400, loss = 1.6485

I0612 13:42:18.503458 2767 solver.cpp:329] Train net output #0: loss = 1.6485 (\* 1 = 1.6485 loss)

I0612 13:42:18.503480 2767 sgd\_solver.cpp:176] Iteration 4400, lr = 0.001

I0612 13:52:17.422052 2767 solver.cpp:560] Iteration 4500, Testing net (#0)

I0612 13:52:49.461618 2767 solver.cpp:644] Test net output #0: loss = 2.37953 (\* 1 = 2.37953 loss)

I0612 13:52:55.441668 2767 solver.cpp:313] Iteration 4500, loss = 2.32423

I0612 13:52:55.441715 2767 solver.cpp:329] Train net output #0: loss = 2.32423 (\* 1 = 2.32423 loss)

I0612 13:52:55.441730 2767 sgd\_solver.cpp:176] Iteration 4500, lr = 0.001

I0612 14:02:59.991330 2767 solver.cpp:313] Iteration 4600, loss = 1.83289

I0612 14:02:59.991458 2767 solver.cpp:329] Train net output #0: loss = 1.83289 (\* 1 = 1.83289 loss)

I0612 14:02:59.991474 2767 sgd\_solver.cpp:176] Iteration 4600, lr = 0.001

I0612 14:13:04.270773 2767 solver.cpp:313] Iteration 4700, loss = 2.81296

I0612 14:13:04.270872 2767 solver.cpp:329] Train net output #0: loss = 2.81296 (\* 1 = 2.81296 loss)

I0612 14:13:04.270890 2767 sgd\_solver.cpp:176] Iteration 4700, lr = 0.001

I0612 14:23:09.062144 2767 solver.cpp:313] Iteration 4800, loss = 2.03647

I0612 14:23:09.062232 2767 solver.cpp:329] Train net output #0: loss = 2.03647 (\* 1 = 2.03647 loss)

I0612 14:23:09.062249 2767 sgd\_solver.cpp:176] Iteration 4800, lr = 0.001

I0612 14:33:13.934356 2767 solver.cpp:313] Iteration 4900, loss = 2.01355

I0612 14:33:13.934458 2767 solver.cpp:329] Train net output #0: loss = 2.01355 (\* 1 = 2.01355 loss)

I0612 14:33:13.934474 2767 sgd\_solver.cpp:176] Iteration 4900, lr = 0.001

I0612 14:43:13.546365 2767 solver.cpp:819] Snapshotting to binary proto file mobile\_net\_iter\_5000.caffemodel

I0612 14:43:14.991451 2767 sgd\_solver.cpp:423] Snapshotting solver state to binary proto file mobile\_net\_iter\_5000.solverstate

I0612 14:43:15.745784 2767 solver.cpp:560] Iteration 5000, Testing net (#0)

I0612 14:43:47.577873 2767 solver.cpp:644] Test net output #0: loss = 2.40166 (\* 1 = 2.40166 loss)

I0612 14:43:53.626953 2767 solver.cpp:313] Iteration 5000, loss = 1.75882

I0612 14:43:53.627002 2767 solver.cpp:329] Train net output #0: loss = 1.75881 (\* 1 = 1.75881 loss)

I0612 14:43:53.627017 2767 sgd\_solver.cpp:176] Iteration 5000, lr = 0.001

I0612 14:53:59.774308 2767 solver.cpp:313] Iteration 5100, loss = 1.82856

I0612 14:53:59.774440 2767 solver.cpp:329] Train net output #0: loss = 1.82856 (\* 1 = 1.82856 loss)

I0612 14:53:59.774461 2767 sgd\_solver.cpp:176] Iteration 5100, lr = 0.001

I0612 15:04:04.208575 2767 solver.cpp:313] Iteration 5200, loss = 1.49653

I0612 15:04:04.208668 2767 solver.cpp:329] Train net output #0: loss = 1.49652 (\* 1 = 1.49652 loss)

I0612 15:04:04.208709 2767 sgd\_solver.cpp:176] Iteration 5200, lr = 0.001

I0612 15:14:10.273859 2767 solver.cpp:313] Iteration 5300, loss = 1.62971

I0612 15:14:10.273947 2767 solver.cpp:329] Train net output #0: loss = 1.62971 (\* 1 = 1.62971 loss)

I0612 15:14:10.273969 2767 sgd\_solver.cpp:176] Iteration 5300, lr = 0.001

I0612 15:24:17.247707 2767 solver.cpp:313] Iteration 5400, loss = 2.16424

I0612 15:24:17.247799 2767 solver.cpp:329] Train net output #0: loss = 2.16424 (\* 1 = 2.16424 loss)

I0612 15:24:17.247831 2767 sgd\_solver.cpp:176] Iteration 5400, lr = 0.001

I0612 15:34:16.828052 2767 solver.cpp:560] Iteration 5500, Testing net (#0)

I0612 15:34:48.719972 2767 solver.cpp:644] Test net output #0: loss = 2.98328 (\* 1 = 2.98328 loss)

I0612 15:34:54.780553 2767 solver.cpp:313] Iteration 5500, loss = 1.36299

I0612 15:34:54.780601 2767 solver.cpp:329] Train net output #0: loss = 1.36299 (\* 1 = 1.36299 loss)

I0612 15:34:54.780629 2767 sgd\_solver.cpp:176] Iteration 5500, lr = 0.001

I0612 15:45:00.793589 2767 solver.cpp:313] Iteration 5600, loss = 1.29016

I0612 15:45:00.793704 2767 solver.cpp:329] Train net output #0: loss = 1.29016 (\* 1 = 1.29016 loss)

I0612 15:45:00.793720 2767 sgd\_solver.cpp:176] Iteration 5600, lr = 0.001

I0612 15:55:06.933161 2767 solver.cpp:313] Iteration 5700, loss = 1.371

I0612 15:55:06.933261 2767 solver.cpp:329] Train net output #0: loss = 1.371 (\* 1 = 1.371 loss)

I0612 15:55:06.933286 2767 sgd\_solver.cpp:176] Iteration 5700, lr = 0.001

I0612 16:05:14.419137 2767 solver.cpp:313] Iteration 5800, loss = 1.11933

I0612 16:05:14.419260 2767 solver.cpp:329] Train net output #0: loss = 1.11932 (\* 1 = 1.11932 loss)

I0612 16:05:14.419281 2767 sgd\_solver.cpp:176] Iteration 5800, lr = 0.001

I0612 16:15:19.810348 2767 solver.cpp:313] Iteration 5900, loss = 1.85854

I0612 16:15:19.810437 2767 solver.cpp:329] Train net output #0: loss = 1.85854 (\* 1 = 1.85854 loss)

I0612 16:15:19.810461 2767 sgd\_solver.cpp:176] Iteration 5900, lr = 0.001

I0612 16:25:19.454452 2767 solver.cpp:560] Iteration 6000, Testing net (#0)

I0612 16:25:51.537173 2767 solver.cpp:644] Test net output #0: loss = 2.28114 (\* 1 = 2.28114 loss)

I0612 16:25:57.535290 2767 solver.cpp:313] Iteration 6000, loss = 1.53729

I0612 16:25:57.535346 2767 solver.cpp:329] Train net output #0: loss = 1.53729 (\* 1 = 1.53729 loss)

I0612 16:25:57.535368 2767 sgd\_solver.cpp:176] Iteration 6000, lr = 0.001

I0612 16:36:03.281635 2767 solver.cpp:313] Iteration 6100, loss = 0.970228

I0612 16:36:03.281772 2767 solver.cpp:329] Train net output #0: loss = 0.970228 (\* 1 = 0.970228 loss)

I0612 16:36:03.281788 2767 sgd\_solver.cpp:176] Iteration 6100, lr = 0.001

I0612 16:46:10.269888 2767 solver.cpp:313] Iteration 6200, loss = 1.60276

I0612 16:46:10.270026 2767 solver.cpp:329] Train net output #0: loss = 1.60276 (\* 1 = 1.60276 loss)

I0612 16:46:10.270043 2767 sgd\_solver.cpp:176] Iteration 6200, lr = 0.001

I0612 16:56:18.033517 2767 solver.cpp:313] Iteration 6300, loss = 1.65916

I0612 16:56:18.033654 2767 solver.cpp:329] Train net output #0: loss = 1.65916 (\* 1 = 1.65916 loss)

I0612 16:56:18.033684 2767 sgd\_solver.cpp:176] Iteration 6300, lr = 0.001

^CI0612 16:59:22.740195 2767 solver.cpp:819] Snapshotting to binary proto file mobile\_net\_iter\_6330.caffemodel

I0612 16:59:23.597264 2767 sgd\_solver.cpp:423] Snapshotting solver state to binary proto file mobile\_net\_iter\_6330.solverstate

I0612 16:59:23.982447 2767 solver.cpp:515] Optimization stopped early.

I0612 16:59:24.016649 2767 caffe.cpp:332] Optimization Done.

误差过大

3） 减小学习率 为0.0001 收敛速度降低。