

文件- garbage_resnet34

```
D:\PycharmProjects\garbage_classify\.venv\Scripts\  
python.exe D:\course\s3\ml\garbage_classification\  
garbage_resnet34.py  
gpu available  
[1,    50] loss: 1.809  test_accuracy:16.529  
train_accuracy:29.298  
[1,   100] loss: 1.877  test_accuracy:21.488  
train_accuracy:31.331  
[1,   150] loss: 1.804  test_accuracy:20.937  
train_accuracy:31.978  
[1,   200] loss: 1.761  test_accuracy:20.937  
train_accuracy:31.331  
[1,   250] loss: 1.640  test_accuracy:17.906  
train_accuracy:37.107  
[1,   300] loss: 1.623  test_accuracy:22.314  
train_accuracy:41.312  
[1,   350] loss: 1.640  test_accuracy:22.314  
train_accuracy:36.830  
[2,    50] loss: 1.499  test_accuracy:20.937  
train_accuracy:42.375  
[2,   100] loss: 1.454  test_accuracy:22.865  
train_accuracy:45.980  
[2,   150] loss: 1.589  test_accuracy:21.212  
train_accuracy:42.375  
[2,   200] loss: 1.455  test_accuracy:24.793  
train_accuracy:45.471  
[2,   250] loss: 1.437  test_accuracy:19.559  
train_accuracy:49.815  
[2,   300] loss: 1.490  test_accuracy:19.559  
train_accuracy:46.303  
[2,   350] loss: 1.380  test_accuracy:22.314  
train_accuracy:47.274  
[3,    50] loss: 1.480  test_accuracy:23.416  
train_accuracy:48.198  
[3,   100] loss: 1.447  test_accuracy:22.590  
train_accuracy:47.921  
[3,   150] loss: 1.475  test_accuracy:18.733  
train_accuracy:45.795  
[3,   200] loss: 1.423  test_accuracy:18.733  
train_accuracy:49.769  
[3,   250] loss: 1.346  test_accuracy:22.865
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train_accuracy:50.924
[3, 300] loss: 1.409 test_accuracy:22.314
train_accuracy:47.782
[3, 350] loss: 1.277 test_accuracy:22.590
train_accuracy:48.891
[4, 50] loss: 1.262 test_accuracy:23.416
train_accuracy:51.941
[4, 100] loss: 1.279 test_accuracy:21.763
train_accuracy:51.525
[4, 150] loss: 1.452 test_accuracy:24.518
train_accuracy:49.723
[4, 200] loss: 1.280 test_accuracy:25.069
train_accuracy:56.747
[4, 250] loss: 1.237 test_accuracy:22.865
train_accuracy:53.096
[4, 300] loss: 1.286 test_accuracy:20.937
train_accuracy:52.680
[4, 350] loss: 1.290 test_accuracy:22.590
train_accuracy:53.928
[5, 50] loss: 1.253 test_accuracy:23.967
train_accuracy:52.588
[5, 100] loss: 1.208 test_accuracy:25.344
train_accuracy:55.730
[5, 150] loss: 1.294 test_accuracy:21.488
train_accuracy:50.924
[5, 200] loss: 1.257 test_accuracy:24.518
train_accuracy:57.440
[5, 250] loss: 1.224 test_accuracy:24.242
train_accuracy:55.823
[5, 300] loss: 1.099 test_accuracy:25.895
train_accuracy:57.024
[5, 350] loss: 1.320 test_accuracy:23.416
train_accuracy:52.264
[6, 50] loss: 1.186 test_accuracy:23.967
train_accuracy:57.116
[6, 100] loss: 1.173 test_accuracy:25.620
train_accuracy:56.701
[6, 150] loss: 1.205 test_accuracy:23.416
train_accuracy:56.654
[6, 200] loss: 1.169 test_accuracy:26.171
train_accuracy:54.482
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```
[6, 250] loss: 1.256 test_accuracy:25.344
train_accuracy:56.932
[6, 300] loss: 1.268 test_accuracy:23.416
train_accuracy:60.028
[6, 350] loss: 1.144 test_accuracy:24.518
train_accuracy:57.163
[7, 50] loss: 1.098 test_accuracy:28.650
train_accuracy:58.457
[7, 100] loss: 1.180 test_accuracy:26.171
train_accuracy:59.889
[7, 150] loss: 1.093 test_accuracy:23.691
train_accuracy:60.628
[7, 200] loss: 1.221 test_accuracy:22.590
train_accuracy:51.664
[7, 250] loss: 1.266 test_accuracy:25.895
train_accuracy:55.083
[7, 300] loss: 1.085 test_accuracy:26.722
train_accuracy:61.738
[7, 350] loss: 1.223 test_accuracy:21.763
train_accuracy:59.658
[8, 50] loss: 1.084 test_accuracy:27.273
train_accuracy:63.124
[8, 100] loss: 1.212 test_accuracy:27.273
train_accuracy:63.031
[8, 150] loss: 1.004 test_accuracy:24.793
train_accuracy:62.338
[8, 200] loss: 1.143 test_accuracy:26.446
train_accuracy:62.477
[8, 250] loss: 1.053 test_accuracy:26.446
train_accuracy:58.965
[8, 300] loss: 1.055 test_accuracy:28.099
train_accuracy:66.451
[8, 350] loss: 1.068 test_accuracy:28.375
train_accuracy:58.688
[9, 50] loss: 1.137 test_accuracy:24.793
train_accuracy:60.767
[9, 100] loss: 1.063 test_accuracy:26.171
train_accuracy:60.952
[9, 150] loss: 1.027 test_accuracy:24.518
train_accuracy:62.246
[9, 200] loss: 0.989 test_accuracy:23.416
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train_accuracy:61.645
[9, 250] loss: 1.126 test_accuracy:24.242
train_accuracy:61.922
[9, 300] loss: 0.953 test_accuracy:26.171
train_accuracy:63.632
[9, 350] loss: 0.960 test_accuracy:26.722
train_accuracy:67.098
[10, 50] loss: 0.909 test_accuracy:24.518
train_accuracy:66.312
[10, 100] loss: 1.087 test_accuracy:27.824
train_accuracy:63.078
[10, 150] loss: 1.020 test_accuracy:24.793
train_accuracy:63.309
[10, 200] loss: 0.982 test_accuracy:26.171
train_accuracy:67.375
[10, 250] loss: 0.979 test_accuracy:25.344
train_accuracy:65.943
[10, 300] loss: 0.993 test_accuracy:26.722
train_accuracy:64.094
[10, 350] loss: 1.065 test_accuracy:25.344
train_accuracy:66.774
[11, 50] loss: 0.918 test_accuracy:26.997
train_accuracy:70.240
[11, 100] loss: 0.928 test_accuracy:25.344
train_accuracy:66.451
[11, 150] loss: 0.845 test_accuracy:25.069
train_accuracy:64.972
[11, 200] loss: 0.865 test_accuracy:27.824
train_accuracy:59.473
[11, 250] loss: 0.911 test_accuracy:27.548
train_accuracy:68.022
[11, 300] loss: 0.986 test_accuracy:22.590
train_accuracy:63.447
[11, 350] loss: 0.932 test_accuracy:28.650
train_accuracy:63.956
[12, 50] loss: 0.810 test_accuracy:29.201
train_accuracy:67.976
[12, 100] loss: 0.856 test_accuracy:26.446
train_accuracy:71.303
[12, 150] loss: 0.835 test_accuracy:26.997
train_accuracy:67.560
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```
[12, 200] loss: 0.922 test_accuracy:29.752
train_accuracy:66.359
[12, 250] loss: 0.982 test_accuracy:27.273
train_accuracy:72.366
[12, 300] loss: 0.923 test_accuracy:29.201
train_accuracy:69.039
[12, 350] loss: 0.733 test_accuracy:25.069
train_accuracy:70.287
[13, 50] loss: 0.847 test_accuracy:26.171
train_accuracy:69.686
[13, 100] loss: 0.950 test_accuracy:26.171
train_accuracy:74.261
[13, 150] loss: 0.788 test_accuracy:26.446
train_accuracy:66.682
[13, 200] loss: 0.991 test_accuracy:25.620
train_accuracy:72.921
[13, 250] loss: 0.821 test_accuracy:30.028
train_accuracy:72.227
[13, 300] loss: 0.840 test_accuracy:27.824
train_accuracy:71.026
[13, 350] loss: 0.974 test_accuracy:27.548
train_accuracy:69.593
[14, 50] loss: 0.810 test_accuracy:27.273
train_accuracy:74.168
[14, 100] loss: 0.821 test_accuracy:23.967
train_accuracy:69.917
[14, 150] loss: 0.780 test_accuracy:28.375
train_accuracy:67.652
[14, 200] loss: 0.835 test_accuracy:24.793
train_accuracy:76.571
[14, 250] loss: 0.808 test_accuracy:27.548
train_accuracy:71.349
[14, 300] loss: 0.805 test_accuracy:30.579
train_accuracy:76.756
[14, 350] loss: 0.684 test_accuracy:28.099
train_accuracy:71.719
[15, 50] loss: 0.802 test_accuracy:23.416
train_accuracy:73.244
[15, 100] loss: 0.692 test_accuracy:27.548
train_accuracy:74.399
[15, 150] loss: 0.700 test_accuracy:26.446
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train_accuracy:75.555  
[15, 200] loss: 0.799 test_accuracy:28.099  
train_accuracy:77.495  
[15, 250] loss: 0.729 test_accuracy:28.099  
train_accuracy:74.445  
[15, 300] loss: 0.770 test_accuracy:32.231  
train_accuracy:75.878  
[15, 350] loss: 0.704 test_accuracy:27.824  
train_accuracy:76.756  
[16, 50] loss: 0.553 test_accuracy:30.028  
train_accuracy:80.083  
[16, 100] loss: 0.678 test_accuracy:28.650  
train_accuracy:77.495  
[16, 150] loss: 0.655 test_accuracy:28.099  
train_accuracy:76.848  
[16, 200] loss: 0.702 test_accuracy:28.375  
train_accuracy:75.693  
[16, 250] loss: 0.785 test_accuracy:28.099  
train_accuracy:78.004  
[16, 300] loss: 0.635 test_accuracy:27.273  
train_accuracy:77.264  
[16, 350] loss: 0.733 test_accuracy:27.548  
train_accuracy:78.558  
[17, 50] loss: 0.662 test_accuracy:32.507  
train_accuracy:79.667  
[17, 100] loss: 0.610 test_accuracy:29.752  
train_accuracy:80.222  
[17, 150] loss: 0.636 test_accuracy:25.895  
train_accuracy:74.769  
[17, 200] loss: 0.739 test_accuracy:31.129  
train_accuracy:76.617  
[17, 250] loss: 0.832 test_accuracy:30.028  
train_accuracy:73.983  
[17, 300] loss: 0.632 test_accuracy:29.752  
train_accuracy:82.163  
[17, 350] loss: 0.677 test_accuracy:27.548  
train_accuracy:75.878  
[18, 50] loss: 0.628 test_accuracy:31.129  
train_accuracy:82.856  
[18, 100] loss: 0.657 test_accuracy:25.895  
train_accuracy:79.898
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```
[18, 150] loss: 0.620 test_accuracy:26.997
train_accuracy:75.092
[18, 200] loss: 0.579 test_accuracy:32.507
train_accuracy:81.331
[18, 250] loss: 0.639 test_accuracy:28.926
train_accuracy:78.281
[18, 300] loss: 0.738 test_accuracy:28.650
train_accuracy:78.189
[18, 350] loss: 0.619 test_accuracy:30.028
train_accuracy:84.196
[19, 50] loss: 0.509 test_accuracy:32.782
train_accuracy:83.872
[19, 100] loss: 0.660 test_accuracy:31.405
train_accuracy:75.000
[19, 150] loss: 0.676 test_accuracy:29.752
train_accuracy:82.902
[19, 200] loss: 0.599 test_accuracy:31.405
train_accuracy:83.364
[19, 250] loss: 0.516 test_accuracy:30.579
train_accuracy:84.381
[19, 300] loss: 0.612 test_accuracy:32.231
train_accuracy:80.823
[19, 350] loss: 0.722 test_accuracy:32.782
train_accuracy:85.166
[20, 50] loss: 0.479 test_accuracy:33.058
train_accuracy:79.529
[20, 100] loss: 0.439 test_accuracy:32.231
train_accuracy:83.688
[20, 150] loss: 0.523 test_accuracy:33.609
train_accuracy:82.902
[20, 200] loss: 0.456 test_accuracy:34.160
train_accuracy:82.763
[20, 250] loss: 0.567 test_accuracy:29.201
train_accuracy:79.713
[20, 300] loss: 0.579 test_accuracy:29.201
train_accuracy:83.226
[20, 350] loss: 0.504 test_accuracy:34.711
train_accuracy:87.754
[21, 50] loss: 0.462 test_accuracy:29.752
train_accuracy:80.037
[21, 100] loss: 0.442 test_accuracy:36.364
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```
train_accuracy:80.407  
[21, 150] loss: 0.614 test_accuracy:35.262  
train_accuracy:85.213  
[21, 200] loss: 0.497 test_accuracy:30.854  
train_accuracy:89.002  
[21, 250] loss: 0.389 test_accuracy:31.405  
train_accuracy:89.649  
[21, 300] loss: 0.431 test_accuracy:30.854  
train_accuracy:89.094  
[21, 350] loss: 0.489 test_accuracy:31.956  
train_accuracy:86.553  
[22, 50] loss: 0.396 test_accuracy:31.405  
train_accuracy:87.616  
[22, 100] loss: 0.438 test_accuracy:32.231  
train_accuracy:90.018  
[22, 150] loss: 0.362 test_accuracy:33.333  
train_accuracy:87.708  
[22, 200] loss: 0.349 test_accuracy:31.405  
train_accuracy:89.787  
[22, 250] loss: 0.388 test_accuracy:33.884  
train_accuracy:87.616  
[22, 300] loss: 0.446 test_accuracy:30.579  
train_accuracy:86.553  
[22, 350] loss: 0.514 test_accuracy:33.884  
train_accuracy:89.233  
[23, 50] loss: 0.351 test_accuracy:32.231  
train_accuracy:89.418  
[23, 100] loss: 0.345 test_accuracy:33.333  
train_accuracy:88.031  
[23, 150] loss: 0.388 test_accuracy:31.680  
train_accuracy:86.599  
[23, 200] loss: 0.337 test_accuracy:30.028  
train_accuracy:87.985  
[23, 250] loss: 0.402 test_accuracy:34.711  
train_accuracy:89.741  
[23, 300] loss: 0.365 test_accuracy:33.884  
train_accuracy:88.447  
[23, 350] loss: 0.481 test_accuracy:32.507  
train_accuracy:82.810  
[24, 50] loss: 0.357 test_accuracy:35.262  
train_accuracy:90.250
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```
[24, 100] loss: 0.234 test_accuracy:32.231
train_accuracy:90.712
[24, 150] loss: 0.353 test_accuracy:33.333
train_accuracy:87.523
[24, 200] loss: 0.392 test_accuracy:32.782
train_accuracy:89.510
[24, 250] loss: 0.351 test_accuracy:28.650
train_accuracy:87.847
[24, 300] loss: 0.329 test_accuracy:34.711
train_accuracy:89.603
[24, 350] loss: 0.311 test_accuracy:34.160
train_accuracy:90.573
[25, 50] loss: 0.276 test_accuracy:28.650
train_accuracy:89.048
[25, 100] loss: 0.361 test_accuracy:31.405
train_accuracy:87.107
[25, 150] loss: 0.244 test_accuracy:34.435
train_accuracy:93.115
[25, 200] loss: 0.305 test_accuracy:34.160
train_accuracy:87.246
[25, 250] loss: 0.299 test_accuracy:30.303
train_accuracy:90.850
[25, 300] loss: 0.431 test_accuracy:30.028
train_accuracy:87.384
[25, 350] loss: 0.306 test_accuracy:34.986
train_accuracy:92.052
[26, 50] loss: 0.330 test_accuracy:33.884
train_accuracy:91.913
[26, 100] loss: 0.253 test_accuracy:33.058
train_accuracy:92.930
[26, 150] loss: 0.249 test_accuracy:34.711
train_accuracy:92.837
[26, 200] loss: 0.363 test_accuracy:36.088
train_accuracy:90.342
[26, 250] loss: 0.364 test_accuracy:32.231
train_accuracy:91.821
[26, 300] loss: 0.276 test_accuracy:33.058
train_accuracy:93.577
[26, 350] loss: 0.313 test_accuracy:33.609
train_accuracy:92.791
[27, 50] loss: 0.312 test_accuracy:34.435
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```
train_accuracy:91.774
[27, 100] loss: 0.225 test_accuracy:33.884
train_accuracy:92.791
[27, 150] loss: 0.166 test_accuracy:31.956
train_accuracy:93.438
[27, 200] loss: 0.289 test_accuracy:31.956
train_accuracy:88.170
[27, 250] loss: 0.207 test_accuracy:33.609
train_accuracy:90.157
[27, 300] loss: 0.362 test_accuracy:33.058
train_accuracy:91.590
[27, 350] loss: 0.257 test_accuracy:34.160
train_accuracy:91.081
[28, 50] loss: 0.179 test_accuracy:34.711
train_accuracy:94.177
[28, 100] loss: 0.255 test_accuracy:33.884
train_accuracy:88.031
[28, 150] loss: 0.233 test_accuracy:34.986
train_accuracy:92.006
[28, 200] loss: 0.215 test_accuracy:35.537
train_accuracy:94.455
[28, 250] loss: 0.250 test_accuracy:34.986
train_accuracy:93.392
[28, 300] loss: 0.205 test_accuracy:37.190
train_accuracy:94.039
[28, 350] loss: 0.249 test_accuracy:33.058
train_accuracy:92.237
[29, 50] loss: 0.176 test_accuracy:34.160
train_accuracy:93.207
[29, 100] loss: 0.178 test_accuracy:34.160
train_accuracy:95.471
[29, 150] loss: 0.209 test_accuracy:31.129
train_accuracy:94.871
[29, 200] loss: 0.193 test_accuracy:34.160
train_accuracy:94.686
[29, 250] loss: 0.295 test_accuracy:34.711
train_accuracy:95.287
[29, 300] loss: 0.282 test_accuracy:35.537
train_accuracy:95.518
[29, 350] loss: 0.152 test_accuracy:33.333
train_accuracy:96.026
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```
[30,    50] loss: 0.147  test_accuracy:35.537
train_accuracy:96.118
[30,   100] loss: 0.115  test_accuracy:34.986
train_accuracy:96.534
[30,   150] loss: 0.139  test_accuracy:35.262
train_accuracy:95.564
[30,   200] loss: 0.144  test_accuracy:34.435
train_accuracy:94.732
[30,   250] loss: 0.130  test_accuracy:34.711
train_accuracy:93.022
[30,   300] loss: 0.254  test_accuracy:34.711
train_accuracy:95.749
[30,   350] loss: 0.142  test_accuracy:33.884
train_accuracy:94.085
[31,    50] loss: 0.235  test_accuracy:36.639
train_accuracy:93.161
[31,   100] loss: 0.218  test_accuracy:35.262
train_accuracy:95.148
[31,   150] loss: 0.133  test_accuracy:32.782
train_accuracy:96.719
[31,   200] loss: 0.142  test_accuracy:37.741
train_accuracy:96.858
[31,   250] loss: 0.301  test_accuracy:35.537
train_accuracy:92.884
[31,   300] loss: 0.234  test_accuracy:35.813
train_accuracy:93.577
[31,   350] loss: 0.307  test_accuracy:36.364
train_accuracy:93.715
[32,    50] loss: 0.143  test_accuracy:31.956
train_accuracy:94.039
[32,   100] loss: 0.108  test_accuracy:35.813
train_accuracy:97.181
[32,   150] loss: 0.093  test_accuracy:35.813
train_accuracy:95.379
[32,   200] loss: 0.202  test_accuracy:35.813
train_accuracy:93.623
[32,   250] loss: 0.197  test_accuracy:33.333
train_accuracy:94.593
[32,   300] loss: 0.174  test_accuracy:34.435
train_accuracy:93.946
[32,   350] loss: 0.234  test_accuracy:34.160
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```
train_accuracy:94.963  
[33, 50] loss: 0.121 test_accuracy:36.364  
train_accuracy:97.505  
[33, 100] loss: 0.143 test_accuracy:34.160  
train_accuracy:95.610  
[33, 150] loss: 0.073 test_accuracy:37.466  
train_accuracy:98.152  
[33, 200] loss: 0.080 test_accuracy:40.220  
train_accuracy:95.702  
[33, 250] loss: 0.150 test_accuracy:36.088  
train_accuracy:98.013  
[33, 300] loss: 0.153 test_accuracy:36.364  
train_accuracy:96.211  
[33, 350] loss: 0.133 test_accuracy:38.017  
train_accuracy:97.181  
[34, 50] loss: 0.154 test_accuracy:36.364  
train_accuracy:95.055  
[34, 100] loss: 0.131 test_accuracy:36.088  
train_accuracy:96.950  
[34, 150] loss: 0.148 test_accuracy:32.507  
train_accuracy:94.501  
[34, 200] loss: 0.200 test_accuracy:36.915  
train_accuracy:96.303  
[34, 250] loss: 0.131 test_accuracy:35.813  
train_accuracy:97.505  
[34, 300] loss: 0.274 test_accuracy:39.118  
train_accuracy:93.946  
[34, 350] loss: 0.186 test_accuracy:36.364  
train_accuracy:97.505  
[35, 50] loss: 0.114 test_accuracy:38.567  
train_accuracy:97.643  
[35, 100] loss: 0.086 test_accuracy:39.945  
train_accuracy:97.320  
[35, 150] loss: 0.064 test_accuracy:38.843  
train_accuracy:97.597  
[35, 200] loss: 0.131 test_accuracy:40.220  
train_accuracy:97.597  
[35, 250] loss: 0.141 test_accuracy:37.741  
train_accuracy:96.858  
[35, 300] loss: 0.098 test_accuracy:39.118  
train_accuracy:96.072
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```
[35, 350] loss: 0.146 test_accuracy:35.813
train_accuracy:96.904
[36, 50] loss: 0.171 test_accuracy:34.986
train_accuracy:96.673
[36, 100] loss: 0.105 test_accuracy:35.262
train_accuracy:96.858
[36, 150] loss: 0.095 test_accuracy:38.292
train_accuracy:97.089
[36, 200] loss: 0.099 test_accuracy:36.915
train_accuracy:97.274
[36, 250] loss: 0.122 test_accuracy:36.364
train_accuracy:97.043
[36, 300] loss: 0.063 test_accuracy:39.945
train_accuracy:97.828
[36, 350] loss: 0.065 test_accuracy:38.843
train_accuracy:97.643
[37, 50] loss: 0.122 test_accuracy:34.435
train_accuracy:95.980
[37, 100] loss: 0.065 test_accuracy:35.813
train_accuracy:97.828
[37, 150] loss: 0.065 test_accuracy:36.364
train_accuracy:95.102
[37, 200] loss: 0.107 test_accuracy:37.741
train_accuracy:96.442
[37, 250] loss: 0.114 test_accuracy:38.292
train_accuracy:96.165
[37, 300] loss: 0.117 test_accuracy:35.813
train_accuracy:96.072
[37, 350] loss: 0.090 test_accuracy:35.262
train_accuracy:98.059
[38, 50] loss: 0.037 test_accuracy:32.507
train_accuracy:96.442
[38, 100] loss: 0.108 test_accuracy:33.884
train_accuracy:96.165
[38, 150] loss: 0.065 test_accuracy:35.813
train_accuracy:97.366
[38, 200] loss: 0.064 test_accuracy:36.639
train_accuracy:98.013
[38, 250] loss: 0.059 test_accuracy:36.915
train_accuracy:97.967
[38, 300] loss: 0.077 test_accuracy:39.669
```

文件- garbage_resnet34

```
train_accuracy:96.765
[38, 350] loss: 0.071 test_accuracy:38.567
train_accuracy:96.534
[39, 50] loss: 0.064 test_accuracy:39.945
train_accuracy:98.567
[39, 100] loss: 0.042 test_accuracy:36.639
train_accuracy:97.551
[39, 150] loss: 0.075 test_accuracy:37.190
train_accuracy:98.105
[39, 200] loss: 0.050 test_accuracy:37.741
train_accuracy:98.105
[39, 250] loss: 0.092 test_accuracy:38.567
train_accuracy:96.765
[39, 300] loss: 0.080 test_accuracy:41.598
train_accuracy:97.597
[39, 350] loss: 0.067 test_accuracy:36.915
train_accuracy:96.719
[40, 50] loss: 0.045 test_accuracy:40.220
train_accuracy:98.244
[40, 100] loss: 0.071 test_accuracy:34.711
train_accuracy:96.396
[40, 150] loss: 0.079 test_accuracy:36.915
train_accuracy:98.290
[40, 200] loss: 0.111 test_accuracy:37.741
train_accuracy:97.597
[40, 250] loss: 0.055 test_accuracy:35.262
train_accuracy:96.811
[40, 300] loss: 0.096 test_accuracy:41.047
train_accuracy:98.429
[40, 350] loss: 0.058 test_accuracy:37.741
train_accuracy:97.689
[41, 50] loss: 0.088 test_accuracy:41.598
train_accuracy:98.706
[41, 100] loss: 0.067 test_accuracy:38.017
train_accuracy:97.643
[41, 150] loss: 0.085 test_accuracy:39.394
train_accuracy:97.320
[41, 200] loss: 0.052 test_accuracy:40.771
train_accuracy:97.320
[41, 250] loss: 0.089 test_accuracy:38.017
train_accuracy:97.458
```

文件- garbage_resnet34

```
[41, 300] loss: 0.062 test_accuracy:38.567
train_accuracy:97.597
[41, 350] loss: 0.086 test_accuracy:39.394
train_accuracy:97.736
[42, 50] loss: 0.075 test_accuracy:39.118
train_accuracy:98.429
[42, 100] loss: 0.134 test_accuracy:38.567
train_accuracy:97.227
[42, 150] loss: 0.131 test_accuracy:37.741
train_accuracy:97.366
[42, 200] loss: 0.188 test_accuracy:34.711
train_accuracy:94.177
[42, 250] loss: 0.112 test_accuracy:36.088
train_accuracy:97.551
[42, 300] loss: 0.143 test_accuracy:36.639
train_accuracy:96.396
[42, 350] loss: 0.139 test_accuracy:38.292
train_accuracy:97.505
[43, 50] loss: 0.157 test_accuracy:37.741
train_accuracy:96.811
[43, 100] loss: 0.122 test_accuracy:37.466
train_accuracy:97.274
[43, 150] loss: 0.103 test_accuracy:38.843
train_accuracy:98.059
[43, 200] loss: 0.079 test_accuracy:35.813
train_accuracy:97.643
[43, 250] loss: 0.044 test_accuracy:36.639
train_accuracy:98.290
[43, 300] loss: 0.044 test_accuracy:38.567
train_accuracy:97.089
[43, 350] loss: 0.117 test_accuracy:36.915
train_accuracy:97.921
[44, 50] loss: 0.091 test_accuracy:39.669
train_accuracy:97.828
[44, 100] loss: 0.085 test_accuracy:40.771
train_accuracy:98.013
[44, 150] loss: 0.081 test_accuracy:40.220
train_accuracy:98.752
[44, 200] loss: 0.042 test_accuracy:36.088
train_accuracy:97.043
[44, 250] loss: 0.050 test_accuracy:37.741
```

文件- garbage_resnet34

```
train_accuracy:99.076
[44, 300] loss: 0.060 test_accuracy:39.945
train_accuracy:97.921
[44, 350] loss: 0.083 test_accuracy:37.741
train_accuracy:97.597
[45, 50] loss: 0.199 test_accuracy:34.986
train_accuracy:94.917
[45, 100] loss: 0.067 test_accuracy:38.017
train_accuracy:97.135
[45, 150] loss: 0.129 test_accuracy:35.537
train_accuracy:97.643
[45, 200] loss: 0.106 test_accuracy:38.843
train_accuracy:98.290
[45, 250] loss: 0.057 test_accuracy:37.466
train_accuracy:99.076
[45, 300] loss: 0.092 test_accuracy:35.262
train_accuracy:98.429
[45, 350] loss: 0.035 test_accuracy:37.741
train_accuracy:98.521
[46, 50] loss: 0.016 test_accuracy:38.567
train_accuracy:99.076
[46, 100] loss: 0.020 test_accuracy:39.118
train_accuracy:98.706
[46, 150] loss: 0.026 test_accuracy:38.843
train_accuracy:98.475
[46, 200] loss: 0.061 test_accuracy:38.843
train_accuracy:98.891
[46, 250] loss: 0.053 test_accuracy:40.220
train_accuracy:98.660
[46, 300] loss: 0.055 test_accuracy:38.017
train_accuracy:99.261
[46, 350] loss: 0.111 test_accuracy:37.466
train_accuracy:98.614
[47, 50] loss: 0.064 test_accuracy:39.945
train_accuracy:98.336
[47, 100] loss: 0.079 test_accuracy:37.741
train_accuracy:97.135
[47, 150] loss: 0.075 test_accuracy:37.190
train_accuracy:98.614
[47, 200] loss: 0.069 test_accuracy:37.741
train_accuracy:97.921
```

文件- garbage_resnet34

```
[47, 250] loss: 0.089 test_accuracy:35.537
train_accuracy:97.736
[47, 300] loss: 0.050 test_accuracy:38.567
train_accuracy:98.475
[47, 350] loss: 0.064 test_accuracy:39.945
train_accuracy:98.290
[48, 50] loss: 0.041 test_accuracy:39.118
train_accuracy:98.706
[48, 100] loss: 0.022 test_accuracy:41.047
train_accuracy:98.845
[48, 150] loss: 0.052 test_accuracy:38.567
train_accuracy:98.983
[48, 200] loss: 0.058 test_accuracy:38.292
train_accuracy:97.736
[48, 250] loss: 0.022 test_accuracy:37.466
train_accuracy:98.706
[48, 300] loss: 0.015 test_accuracy:38.567
train_accuracy:99.030
[48, 350] loss: 0.046 test_accuracy:39.945
train_accuracy:98.290
[49, 50] loss: 0.038 test_accuracy:37.466
train_accuracy:99.353
[49, 100] loss: 0.045 test_accuracy:38.567
train_accuracy:99.030
[49, 150] loss: 0.036 test_accuracy:40.496
train_accuracy:98.059
[49, 200] loss: 0.020 test_accuracy:39.669
train_accuracy:99.214
[49, 250] loss: 0.054 test_accuracy:41.047
train_accuracy:98.752
[49, 300] loss: 0.044 test_accuracy:42.700
train_accuracy:98.983
[49, 350] loss: 0.068 test_accuracy:39.945
train_accuracy:96.349
[50, 50] loss: 0.043 test_accuracy:41.598
train_accuracy:98.937
[50, 100] loss: 0.035 test_accuracy:39.945
train_accuracy:98.845
[50, 150] loss: 0.022 test_accuracy:39.945
train_accuracy:98.983
[50, 200] loss: 0.033 test_accuracy:39.394
```

文件- garbage_resnet34

```
train_accuracy:99.076  
[50, 250] loss: 0.016 test_accuracy:41.047  
train_accuracy:98.937  
[50, 300] loss: 0.023 test_accuracy:39.394  
train_accuracy:99.168  
[50, 350] loss: 0.015 test_accuracy:39.669  
train_accuracy:99.030  
end train!time:3473 seconds  
test accuracy: 75 %
```

进程结束退出值为0