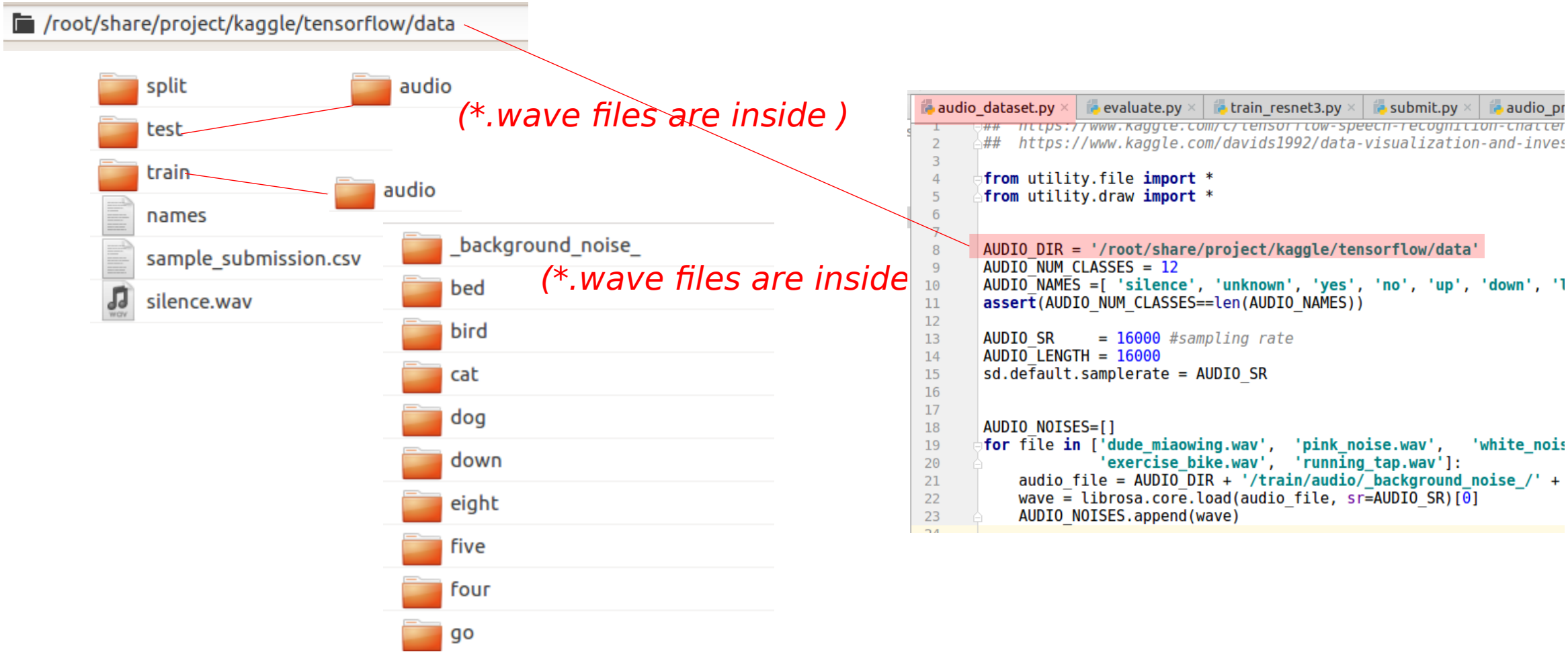
1. verify setup is correct

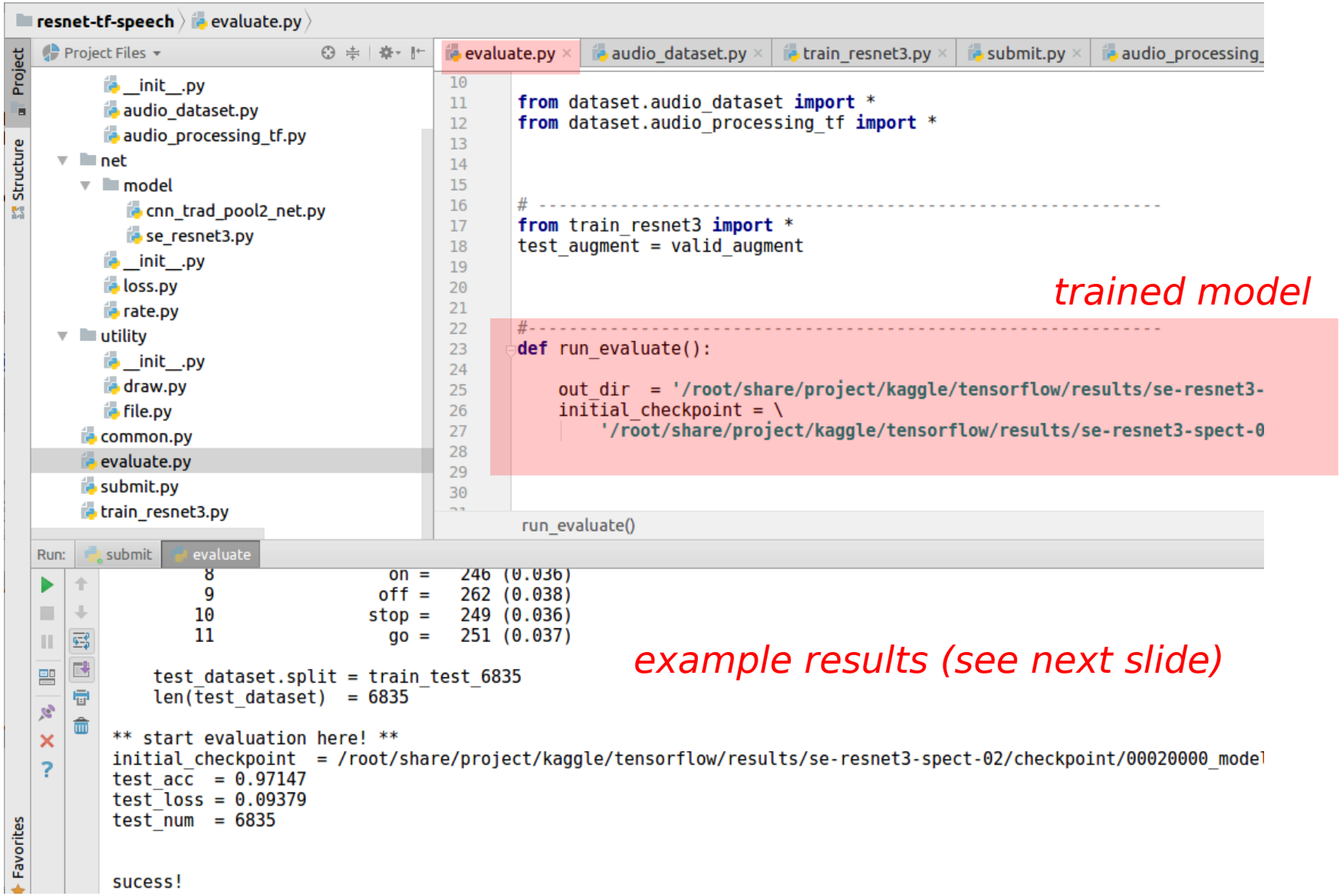
using pycharm as python IDE

- pytorch 0.3 / python 3.6

A. setup data



B. run evaluation



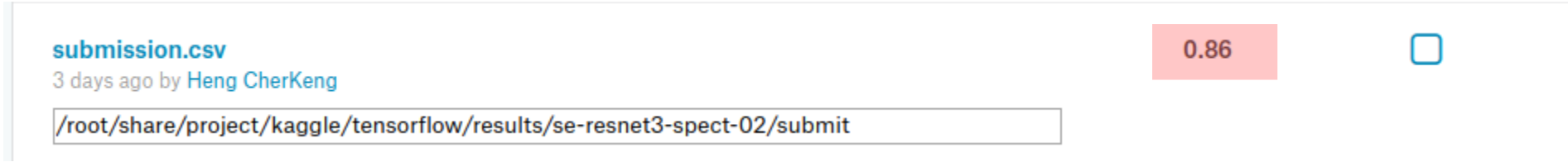
trained model

example results (see next slide)

make sure you get this!

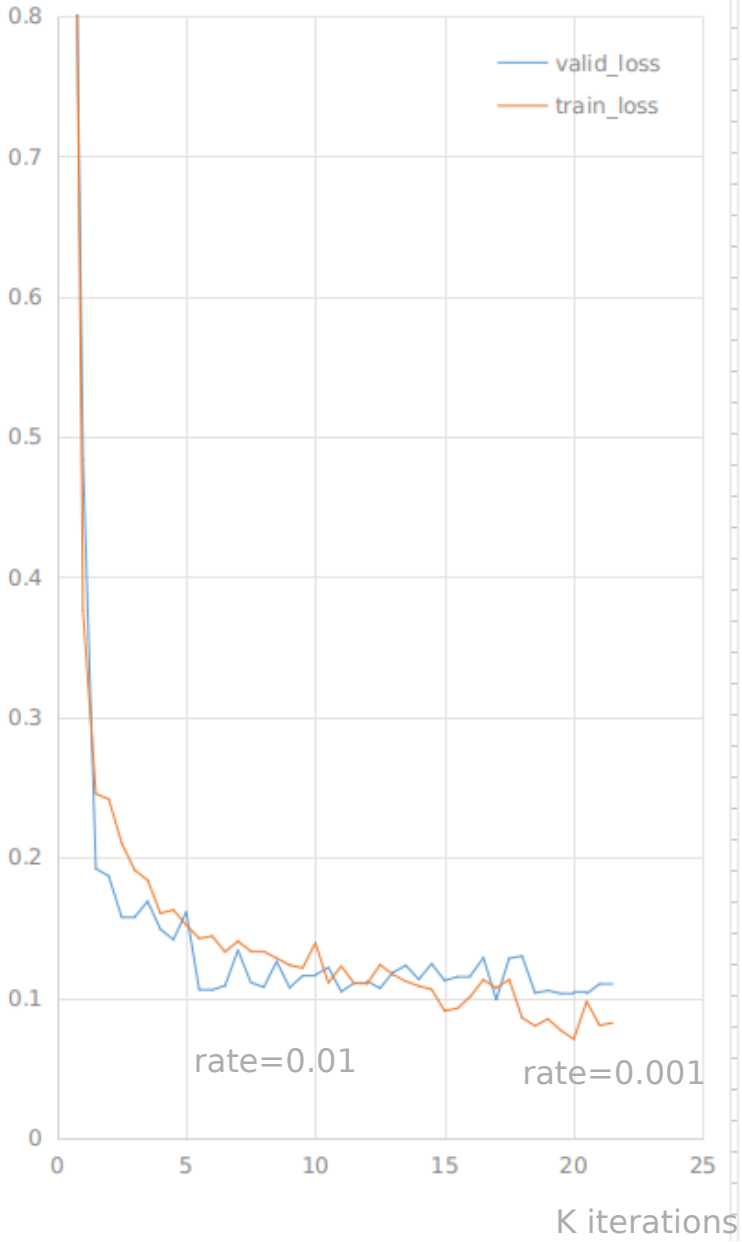
```
<class 'net.model.se_resnet3.SeResNet3'>


** dataset setting **
    time = 0.00 min
    num_ids = 6835
    num_classes = 12
         0             silence =    0 (0.000)
         1             unknown =  4268 (0.624)
         2                 yes =   256 (0.037)
         3                  no =   252 (0.037)
         4                  up =   272 (0.040)
         5                down =   253 (0.037)
         6                left =   267 (0.039)
         7               right =   259 (0.038)
         8                  on =   246 (0.036)
         9                 off =   262 (0.038)
        10                stop =   249 (0.036)
        11                  go =   251 (0.037)

    test_dataset.split = train_test_6835
    len(test_dataset)  = 6835

** start evaluation here! **
initial_checkpoint  = /root/share/project/kaggle/tensorflow/results/se-resnet3-spect-02/checkpoint/00020000_model.pth
test_acc  = 0.97147
test_loss = 0.09379
test_num  = 6835


sucess!
```

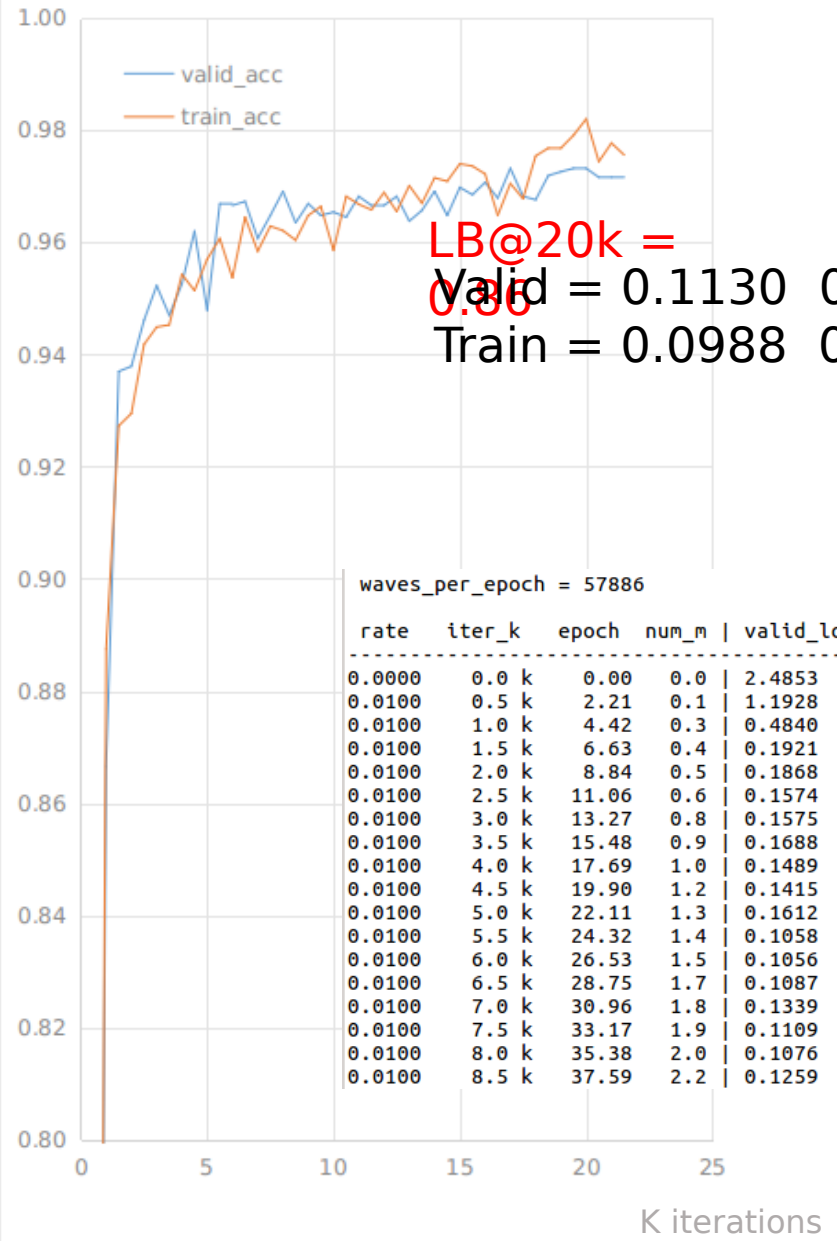
C. for csv submission, see submit.py



D. for training, see train_resnet3.py

/root/share/project/kaggle/tensorflow/results/se-resnet3-spect-02/checkpoint/00020000_model.pth





LB@20k = 0.86

Valid = 0.1130 0.9688

Train = 0.0988 0.9719

waves_per_epoch = 57886

rate	iter_k	epoch	num_m	valid_loss/acc		train_loss/acc		batch_loss/acc		time
0.0000	0.0 k	0.00	0.0	2.4853	0.0808	0.0000	0.0000	0.0000	0.0000	0 hr 00 min
0.0100	0.5 k	2.21	0.1	1.1928	0.5332	1.3250	0.4996	1.0544	0.6133	0 hr 01 min
0.0100	1.0 k	4.42	0.3	0.4840	0.8665	0.3761	0.8875	0.4057	0.8711	0 hr 02 min
0.0100	1.5 k	6.63	0.4	0.1921	0.9370	0.2454	0.9273	0.3459	0.8945	0 hr 03 min
0.0100	2.0 k	8.84	0.5	0.1868	0.9379	0.2417	0.9295	0.2735	0.9102	0 hr 04 min
0.0100	2.5 k	11.06	0.6	0.1574	0.9461	0.2103	0.9418	0.2307	0.9375	0 hr 06 min
0.0100	3.0 k	13.27	0.8	0.1575	0.9523	0.1911	0.9449	0.2082	0.9336	0 hr 07 min
0.0100	3.5 k	15.48	0.9	0.1688	0.9470	0.1840	0.9453	0.1646	0.9492	0 hr 08 min
0.0100	4.0 k	17.69	1.0	0.1489	0.9526	0.1603	0.9543	0.1255	0.9648	0 hr 09 min
0.0100	4.5 k	19.90	1.2	0.1415	0.9620	0.1627	0.9514	0.1444	0.9531	0 hr 11 min
0.0100	5.0 k	22.11	1.3	0.1612	0.9479	0.1519	0.9570	0.1685	0.9531	0 hr 12 min
0.0100	5.5 k	24.32	1.4	0.1058	0.9669	0.1424	0.9607	0.1294	0.9688	0 hr 13 min
0.0100	6.0 k	26.53	1.5	0.1056	0.9666	0.1440	0.9537	0.1208	0.9688	0 hr 14 min
0.0100	6.5 k	28.75	1.7	0.1087	0.9673	0.1328	0.9645	0.1358	0.9570	0 hr 15 min
0.0100	7.0 k	30.96	1.8	0.1339	0.9607	0.1404	0.9584	0.0958	0.9766	0 hr 17 min
0.0100	7.5 k	33.17	1.9	0.1109	0.9648	0.1331	0.9629	0.1499	0.9414	0 hr 18 min
0.0100	8.0 k	35.38	2.0	0.1076	0.9691	0.1330	0.9621	0.0753	0.9844	0 hr 19 min
0.0100	8.5 k	37.59	2.2	0.1259	0.9635	0.1283	0.9604	0.1998	0.9414	0 hr 20 min