accuracy

	epoch	noisy_train	test
0	100.0	0.4498640893989731	0.4137291280148423
1	200.0	0.4498640893989731	0.4137291280148423
2	300.0	0.4498640893989731	0.4137291280148423
3	400.0	0.4498640893989731	0.4137291280148423
4	500.0	0.4498640893989731	0.4137291280148423
5	600.0	0.4498640893989731	0.4137291280148423
6	700.0	0.4498640893989731	0.4137291280148423
7	800.0	0.4500151011778919	0.4155844155844156
8	900.0	0.554968287526427	0.588126159554731
9	1000.0	0.5520990637269707	0.5862708719851577
10	1100.0	0.5528541226215645	0.5862708719851577
11	1200.0	0.5823014195107218	0.634508348794063
12	1300.0	0.5721836303231652	0.6159554730983302
13	1400.0	0.6025369978858351	0.6716141001855288
14	1500.0	0.6058592570220477	0.6790352504638218
15	1600.0	0.6115977046209604	0.75139146567718
16	1700.0	0.5922681969193597	0.7588126159554731
17	1800.0	0.6084264572636666	0.7476808905380334
18	1900.0	0.5993657505285412	0.7588126159554731
19	2000.0	0.5972515856236786	0.7588126159554731
20	2100.0	0.5777710661431592	0.7235621521335807
21	2200.0	0.5727876774388402	0.7161410018552876
22	2300.0	0.5978556327393537	0.7551020408163265
23	2400.0	0.5881908788885533	0.7346938775510204
24	2500.0	0.5883418906674721	0.7309833024118738
25	2600.0	0.5937783147085473	0.738404452690167
26	2700.0	0.5964965267290848	0.7346938775510204
27	2800.0	0.6070673512533977	0.7625231910946196
28	2900.0	0.5971005738447599	0.7365491651205937
29	3000.0	0.6057082452431289	0.7625231910946196
30	3100.0	0.606312292358804	0.7495361781076066

31	3200.0	0.6168831168831169	0.7717996289424861
32	3300.0	0.6377227423739051	0.8218923933209648
33	3400.0	0.6567502265176683	0.8460111317254174
34	3500.0	0.6641498036846875	0.8589981447124304
35	3600.0	0.6917849592268197	0.8979591836734694
36	3700.0	0.6904258532165509	0.9053803339517625
37	3800.0	0.6993355481727574	0.9053803339517625
38	3900.0	0.7091513138024766	0.9165120593692022
39	4000.0	0.707037148897614	0.9128014842300557
40	4100.0	0.7082452431289641	0.9016697588126159
41	4200.0	0.7230443974630021	0.9165120593692022
42	4300.0	0.7173059498640894	0.9183673469387755
43	4400.0	0.7234974327997584	0.9035250463821892
44	4500.0	0.7283298097251586	0.9146567717996289
45	4600.0	0.7287828450619148	0.9165120593692022
46	4700.0	0.7373905164602839	0.9183673469387755
47	4800.0	0.7361824222289338	0.9276437847866419
48	4900.0	0.7343702808819088	0.9035250463821892
49	5000.0	0.7450921171851405	0.9072356215213359
50	5100.0	0.7426759287224404	0.9183673469387755
51	5200.0	0.7441860465116279	0.9109461966604824
52	5300.0	0.7461491996375718	0.9165120593692022
53	5400.0	0.7481123527635155	0.922077922077922
54	5500.0	0.7426759287224404	0.922077922077922
55	5600.0	0.7500755058894594	0.9109461966604824
56	5700.0	0.7461491996375718	0.9239332096474954
57	5800.0	0.7441860465116279	0.922077922077922
58	5900.0	0.7502265176683781	0.9183673469387755
59	6000.0	0.7518876472364845	0.9128014842300557
60	6100.0	0.7488674116581093	0.9202226345083488
61	6200.0	0.753397765025672	0.9165120593692022
62	6300.0	0.7488674116581093	0.922077922077922
63	6400.0	0.7490184234370281	0.922077922077922
64	6500.0	0.7497734823316219	0.922077922077922

65	6600.0	0.7550588945937783	0.9183673469387755
66	6700.0	0.752189670794322	0.9202226345083488
67	6800.0	0.7546058592570221	0.9202226345083488
68	6900.0	0.7532467532467533	0.9128014842300557
69	7000.0	0.7526427061310782	0.9109461966604824
70	7100.0	0.7546058592570221	0.9239332096474954
71	7200.0	0.7549078828148595	0.9128014842300557
72	7300.0	0.7567200241618847	0.9146567717996289
73	7400.0	0.7565690123829659	0.9165120593692022
74	7500.0	0.752189670794322	0.9183673469387755
75	7600.0	0.7556629417094534	0.9183673469387755
76	7700.0	0.7561159770462096	0.9109461966604824
77	7800.0	0.7576260948353971	0.9202226345083488
78	7900.0	0.757777106614316	0.9183673469387755
79	8000.0	0.7571730594986409	0.9128014842300557
80	8100.0	0.7586831772878284	0.922077922077922
81	8200.0	0.7574750830564784	0.922077922077922

loss

	epoch	noisy_train	test
0	100.0	0.7129804800098068	0.7227355872883516
1	200.0	0.7031141793094395	0.708903407349306
2	300.0	0.6988033796278175	0.7024416292414946
3	400.0	0.6959958885602905	0.6979876931975869
4	500.0	0.694597089348208	0.695655486162971
5	600.0	0.6938501535982325	0.6943679136388442
6	700.0	0.6933689281560372	0.6935175692333895
7	800.0	0.6931742893324958	0.6931656038059908
8	900.0	0.6930509298895868	0.6929378684829263
9	1000.0	0.6930284091239967	0.6928917064386255
10	1100.0	0.6930157346426001	0.6928612449589897
11	1200.0	0.693029939264491	0.6928805077777189
12	1300.0	0.6930086589665805	0.6928348821752212

13	1400.0	0.6930124463090575	0.6928333955652574
14	1500.0	0.6929981904329309	0.6927984882803524
15	1600.0	0.6930221002458951	0.6928333499852348
16	1700.0	0.6930201027704321	0.6928208295036765
17	1800.0	0.6929953150127245	0.6927664911045748
18	1900.0	0.6929836903793224	0.6927328986280105
19	2000.0	0.692964672466407	0.6926857233047485
20	2100.0	0.6929559531995064	0.6926537226228153
21	2200.0	0.6929356352142666	0.6926000363686505
22	2300.0	0.6928764979044596	0.6924721248009625
23	2400.0	0.6928478145369009	0.6923965040375205
24	2500.0	0.6927836128479041	0.6922456516939051
25	2600.0	0.6927007655590629	0.6920560633434969
26	2700.0	0.6925610833697848	0.691739138434915
27	2800.0	0.6923405646126052	0.6912568281678593
28	2900.0	0.6920054923509054	0.6904869044528288
29	3000.0	0.6913459191575718	0.6889962553977966
30	3100.0	0.6899990151469834	0.6858347794588875
31	3200.0	0.6873710958854012	0.6796272747656878
32	3300.0	0.6786841289432728	0.6591097046347225
33	3400.0	0.6643505205854702	0.6257448792457581
34	3500.0	0.6282439121013679	0.5348599658292883
35	3600.0	0.5978889656815551	0.35495849129031687
36	3700.0	0.5649677330025152	0.33468563065809365
37	3800.0	0.5592697508237212	0.30567607327419166
38	3900.0	0.5447142386925969	0.30112069932853475
39	4000.0	0.5614026499111295	0.2622266814989202
40	4100.0	0.5478969406750467	0.2957945102277924
41	4200.0	0.539632897950025	0.2492466078085058
42	4300.0	0.5523614156721295	0.24427880324861584
43	4400.0	0.5577586305098258	0.27209000903017383
44	4500.0	0.5959437926106407	0.24486950215171366
45	4600.0	0.5709955829065203	0.25065483240520253

46	4700.0	0.5819037823897341	0.23366106695988598
47	4800.0	0.6089994482480098	0.23584898298277573
48	4900.0	0.6479179176011524	0.2946349040550344
49	5000.0	0.6273891626348818	0.26168113048462305
50	5100.0	0.7103381994931738	0.2561120579347891
51	5200.0	0.6723114799726124	0.2925130142008557
52	5300.0	0.7057284983549861	0.2549793467144756
53	5400.0	0.6899228935998275	0.25345246844431935
54	5500.0	0.7956520329018074	0.26395480542936745
55	5600.0	0.7505292970201244	0.2890791833838996
56	5700.0	0.8218907098722271	0.28092716185047345
57	5800.0	0.8674067048544901	0.2864891982034725
58	5900.0	0.8222075490739899	0.2960437259034199
59	6000.0	0.8692001608078894	0.3091911435784662
60	6100.0	0.914486820584586	0.3005271922139561
61	6200.0	0.9314418493585598	0.3230005541049382
62	6300.0	0.9876172817604625	0.3155623609747957
63	6400.0	1.0202117907648214	0.31748999699073677
64	6500.0	1.0396298337345358	0.3282808946336017
65	6600.0	1.0073302670377464	0.3396082335316083
66	6700.0	1.0769198639003408	0.3480470267617527
67	6800.0	1.0810040228163311	0.34713580557966933
68	6900.0	1.1294863395930543	0.362739082042347
69	7000.0	1.1627700610495744	0.3824851242277552
70	7100.0	1.172111665012297	0.35843665615710263
71	7200.0	1.1984675319905838	0.3877579548450954
72	7300.0	1.1941658219711737	0.38023149852147875
73	7400.0	1.218423419198457	0.3864338866654126
74	7500.0	1.2989368451565757	0.40772965261438754
75	7600.0	1.2660272344778143	0.39419405047288714
76	7700.0	1.3114611018878737	0.42053490103332
77	7800.0	1.3283634231013026	0.39488342261927967
78	7900.0	1.362637041054513	0.4213593657101121
79	8000.0	1.360595347613978	0.4356478662503993

80	8100.0	1.3913547370671677	0.4174286949256545
81	8200.0	1.4190896021462032	0.423061940490323

normalised_entropy

	epoch	noisy_train	test
0	100.0	0.9892275264996915	0.9892282503655315
1	200.0	0.9961836105457283	0.996183069827163
2	300.0	0.9984826575013959	0.9984823449865564
3	400.0	0.999538546348763	0.9995384888657833
4	500.0	0.9998648190419144	0.9998649250377308
5	600.0	0.9999646115108618	0.9999647122809528
6	700.0	0.9999955113075968	0.9999955660336978
7	800.0	0.9999996771160046	0.9999996779801009
8	900.0	0.9999997741828257	0.9999997416763448
9	1000.0	0.9999996304548028	0.999999578897055
10	1100.0	0.999999576016734	0.9999995010460905
11	1200.0	0.9999997600692523	0.9999996850574614
12	1300.0	0.999999643992312	0.9999995399715728
13	1400.0	0.9999997361625872	0.9999996178225374
14	1500.0	0.999999691229578	0.999999543510253
15	1600.0	0.9999998470549496	0.9999997239829437
16	1700.0	0.9999998381259542	0.9999997098282228
17	1800.0	0.9999997851280459	0.9999996001291364
18	1900.0	0.999999748836001	0.999999543510253
19	2000.0	0.9999996892133532	0.9999994408885269
20	2100.0	0.9999996065481377	0.9999993701149228
21	2200.0	0.9999994919113578	0.9999991861035519
22	2300.0	0.9999993369500827	0.9999988782383736
23	2400.0	0.9999991497292111	0.9999986163760382
24	2500.0	0.9999987677986332	0.9999980678806057
25	2600.0	0.999998254813452	0.9999972858322794
26	2700.0	0.9999971084456472	0.999995636807302
27	2800.0	0.9999950916448125	0.9999927740150126

28	2900.0	0.9999898609816938	0.9999849322996688
29	3000.0	0.9999773301447457	0.9999662056040012
30	3100.0	0.9999312069868976	0.9998922471876268
31	3200.0	0.9997793852616854	0.9996441680115539
32	3300.0	0.9986566576990826	0.9978391580103944
33	3400.0	0.9946221049477851	0.9910458120653934
34	3500.0	0.9665560965738207	0.9428510825134164
35	3600.0	0.8045669888053117	0.7371795243809971
36	3700.0	0.8000011648594595	0.6306236183930859
37	3800.0	0.7431317997353202	0.5448010255321722
38	3900.0	0.7703582172629985	0.5761358388500886
39	4000.0	0.6726271137662684	0.4981816190956696
40	4100.0	0.7004118196123931	0.4873799516893716
41	4200.0	0.6525341566506918	0.4310759684150427
42	4300.0	0.6135391376775329	0.3971498592001609
43	4400.0	0.5894290068400875	0.37889744355196414
44	4500.0	0.5069601060184098	0.31455262472545503
45	4600.0	0.5397829951854027	0.36022593183287444
46	4700.0	0.4868545946272721	0.3053029640707324
47	4800.0	0.43691740886425545	0.2739206187579097
48	4900.0	0.3954326119965853	0.24755986413619513
49	5000.0	0.4007539431950147	0.24833262033055575
50	5100.0	0.3106044441218536	0.19538319796489653
51	5200.0	0.3484537576628178	0.21811844798319857
52	5300.0	0.30660093925179976	0.18972634428728488
53	5400.0	0.31679895042256984	0.19548490449979708
54	5500.0	0.24419800909722691	0.15108806657879606
55	5600.0	0.26991059613782303	0.1694889024370013
56	5700.0	0.22443746686953858	0.13725693858399682
57	5800.0	0.20180760806005046	0.12333547604548467
58	5900.0	0.22044686045541537	0.13666009239451563
59	6000.0	0.19688623986983003	0.12421034019378209
60	6100.0	0.1757461648806817	0.10945664619912907

61	6200.0	0.16949747766983253	0.10887678899216519
62	6300.0	0.14726827183147098	0.08893368648907692
63	6400.0	0.136301370248158	0.08794269236651334
64	6500.0	0.1292921702907151	0.08458617324068285
65	6600.0	0.13734026480498757	0.0906351115796473
66	6700.0	0.11728768658688406	0.07355990436391176
67	6800.0	0.11422191963063306	0.07498091779967186
68	6900.0	0.1029092851217259	0.07422697145996376
69	7000.0	0.09613166790431953	0.07110749768414612
70	7100.0	0.09327204959769149	0.060242156593167055
71	7200.0	0.08819267406668126	0.06465427442030473
72	7300.0	0.08680532474382448	0.06326126156578701
73	7400.0	0.07951300710718713	0.05931731439256049
74	7500.0	0.06962339639915724	0.04836968660133447
75	7600.0	0.0725254292701962	0.05146210556348755
76	7700.0	0.06598034159937714	0.05607151194494598
77	7800.0	0.06392422712252457	0.046470106532710824
78	7900.0	0.05527772782558907	0.04664014132044975
79	8000.0	0.057352461085079014	0.049684306796716184
80	8100.0	0.0516075810180694	0.04095855604076209
81	8200.0	0.04787968008207144	0.039331956398509206

max_p

	epoch	noisy_train	test
0	100.0	0.5610257969346157	0.561023759930386
1	200.0	0.5363522696372642	0.5363548611444533
2	300.0	0.5229277783598074	0.5229300851061083
3	400.0	0.512645326543524	0.5126460823809282
4	500.0	0.5068441252447766	0.5068416878553401
5	600.0	0.5035007546510412	0.503496385903438
6	700.0	0.5012435226129355	0.5012354258040108
7	800.0	0.5003203160450992	0.5003083889028801
8	900.0	0.5002593890449065	0.5002758507383556

9	1000.0	0.5003368567210675	0.5003571377614433
10	1100.0	0.5003593488605099	0.5003857515296157
11	1200.0	0.5002533844395082	0.5002845098888277
12	1300.0	0.5003145073015356	0.5003500320915831
13	1400.0	0.5002570957332463	0.5003027340919056
14	1500.0	0.5002762760794872	0.5003297377605828
15	1600.0	0.5001715663263568	0.5002364209941235
16	1700.0	0.5001782262048056	0.5002405630193084
17	1800.0	0.5002056236750984	0.5002819142668942
18	1900.0	0.500223816359234	0.5003038257747502
19	2000.0	0.5002497762612654	0.5003370362885144
20	2100.0	0.5002820452186356	0.500363995723689
21	2200.0	0.5003228151557021	0.5004084857806204
22	2300.0	0.500365724019218	0.5004844984008563
23	2400.0	0.5004167903841388	0.5005405440180112
24	2500.0	0.5005040245090716	0.5006449474695662
25	2600.0	0.5006021567609367	0.5007672584123205
26	2700.0	0.5007775359123504	0.5009730379745115
27	2800.0	0.5010143462641654	0.5012557625991736
28	2900.0	0.5014372819573885	0.5017772207454759
29	3000.0	0.5021302249992553	0.5026579770174894
30	3100.0	0.5036335234842211	0.5046720097812518
31	3200.0	0.5064179487582673	0.5084290265594652
32	3300.0	0.515855152489591	0.5208325713375282
33	3400.0	0.5320972579730238	0.5426275433768589
34	3500.0	0.5811558636752042	0.6090647462126496
35	3600.0	0.7303366495453314	0.763476699093056
36	3700.0	0.7015819964326785	0.79231782039154
37	3800.0	0.7381151205677526	0.8347809991500373
38	3900.0	0.7206841840084425	0.817320712201007
39	4000.0	0.7938110241534234	0.8640218285328825
40	4100.0	0.7630433468831626	0.85795918820298
41	4200.0	0.7879103185618547	0.8778831326231664
42	4300.0	0.8076081418515836	0.8906367908824574

43	4400.0	0.8160402245551789	0.8948912257829712
44	4500.0	0.8555126936188712	0.9215235099721707
45	4600.0	0.8394824341682104	0.8983824770614256
46	4700.0	0.8634963325055767	0.9220043033748478
47	4800.0	0.884821130227769	0.9336149643878547
48	4900.0	0.9004138611263827	0.9430323160203357
49	5000.0	0.8917883530515661	0.9386858506636186
50	5100.0	0.9262555740780428	0.9567298358358125
51	5200.0	0.9132218143436636	0.948759921185382
52	5300.0	0.9276407890469601	0.9588365749436982
53	5400.0	0.9227036954556589	0.9550843778479299
54	5500.0	0.9454357391468026	0.9695994955710445
55	5600.0	0.9371322478026791	0.9620210863442501
56	5700.0	0.949870563784743	0.9724388653360625
57	5800.0	0.9563385610024543	0.9766033682177372
58	5900.0	0.9505587194449086	0.9709419646820465
59	6000.0	0.9568842510844386	0.9740762834425096
60	6100.0	0.9622005565185916	0.9784948989500142
61	6200.0	0.963346080382545	0.9776561715828466
62	6300.0	0.9689100747092618	0.9836412900454038
63	6400.0	0.9714663328990516	0.9829402208770582
64	6500.0	0.9729485841576552	0.9834917560357994
65	6600.0	0.971068865005	0.981269967356949
66	6700.0	0.9757556739583616	0.9860320931684108
67	6800.0	0.9766732448899325	0.9848332980125866
68	6900.0	0.978925679609229	0.9837825612367195
69	7000.0	0.9803055052093349	0.9845489332096475
70	7100.0	0.9808764274802246	0.9879227533853563
71	7200.0	0.9822248685255544	0.9856063297816685
72	7300.0	0.9825943915442878	0.9859808813884219
73	7400.0	0.9846027887540798	0.9873139482261077
74	7500.0	0.9859145958594273	0.9907188946329375
75	7600.0	0.9856568995792316	0.9891655697229842

76	7700.0	0.9872703601211552	0.9860680886234998
77	7800.0	0.987385688178023	0.9902880850882168
78	7900.0	0.9897660529350666	0.9903050105956578
79	8000.0	0.9891285851656293	0.988317195913566
80	8100.0	0.9905907323590148	0.9915407849596692
81	8200.0	0.9912901224236011	0.9922634542320125

metadata

	epoch	lr_change_ratio	batch_mean_epsilon	batch_valid_ratio	batch_mean_gtruth	batch_mean_etrust
0	100.0	1.0	0.0005784613895229995		0.00285914563573820	2693196518421173
1	200.0	1.0	0.0002254035207429393		0.00330589129589496	8448237900733948
2	300.0	1.0	4.717259434983134e-05		0.00382217369042306	2336941823428869247
3	400.0	1.0	1.136951050284551e-05		0.00441872421652078	20865730300694704056
4	500.0	1.0	1.059902615452301e-06		0.00510790525004260	7020750239491462708
5	600.0	1.0	3.120934266576114e-08		0.00590394204482542	860186933517456e-06
6	700.0	1.0	1.747104533933452e-06		0.00682318536564700	7560541033744812
7	800.0	1.0	1.300507278756411e-06		0.00788441672921800	1649465411901474
8	900.0	1.0	1.694903289717331e-06		0.00910918973386280	7186065211892128
9	1000.0	1.0	9.613966085453285e-07		0.01052220817655325	6833250522614e-05
10	1100.0	1.0	7.169431341935706e-07		0.01215172559022989	9349285101890564e-05
11	1200.0	1.0	2.583763318853016e-07		0.01403001323342384	15972590446472e-05
12	1300.0	1.0	2.342190157378354e-07		0.01619386672973644	63439583778381e-05
13	1400.0	1.0	1.510832134954385e-07		0.01868513785302608	5742592811584e-06
14	1500.0	1.0	1.83169575507236e-07		0.02155126444995340	9249815940857e-06
15	1600.0	1.0	8.894841130313580e-08		0.02484589815139786	0039768218994e-06
16	1700.0	1.0	9.054843985722982e-08		0.02862946130335833	62771463394165e-06
17	1800.0	1.0	6.454281020751296e-08		0.03296970576047895	7640051841736e-06
18	1900.0	1.0	2.101812839327977e-07		0.03794223815202753	9506673812866e-06
19	2000.0	1.0	3.471805882782064e-07		0.04363089054822927	7220077514648e-06
20	2100.0	1.0	5.679737000718887e-07		0.05012799054384233	80470442771912e-05
21	2200.0	1.0	5.516913006431423e-07		0.05753438919782638	897228240967e-06
22	2300.0	1.0	9.062033541340497e-07		0.06595908850431443	38870620727539e-05
23	2400.0	1.0	2.011639935517451e-06		0.07551856338977866	37688279151917e-05

24	2500.0	1.0	2.024144123424776e-06	0.08633543550968213445114493370056e-05
25	2600.0	1.0	4.9502186811878350e-06	0.09853652119636553637403231990814e-05
26	2700.0	1.0	5.8563873608363790e-06	0.11225005239248227672690629959106e-05
27	2800.0	1.0	1.3595846212410834e-05	0.12760195136070250010654889047145844
28	2900.0	1.0	2.7622227207757533e-05	0.14471121132373800019087828695774078
29	3000.0	1.0	7.9605575592722740e-05	0.16368409991264304304863366484642029
30	3100.0	1.0	0.00045619907905347645	0.18460761010646802002471182495355606
31	3200.0	1.0	0.0012109681265428662	0.20754198729991905834810435771942
32	3300.0	1.0	0.0071855620481073886	0.23251311480998900903900042176247
33	3400.0	1.0	0.019916422665119107	0.25950485467910767674778997898102
34	3500.0	1.0	0.087230198085301807	0.28845232725143043024076819419861
35	3600.0	1.0	0.23098552227020264	0.31923675537109373235555052757263
36	3700.0	1.0	0.24322703480720502	0.35168278217315664091442108154
37	3800.0	1.0	0.22713392972946167	0.38555881381034858591032218933105
38	3900.0	1.0	0.31138247251510620	0.42058110237121057403625249862671
39	4000.0	1.0	0.44231003522872925	0.45642155408859256890822958946228
40	4100.0	1.0	0.37846750020980835	0.49271899461746276812040 80581665
41	4200.0	1.0	0.47985845804214448	0.52909326553344079306944990158081
42	4300.0	1.0	0.37489682435989138	0.56516128778457664633448004722595
43	4400.0	1.0	0.51248955726623504	0.60055232048034687533636927604675
44	4500.0	1.0	0.58359646797180118	0.63492357730865481191601872444153
45	4600.0	1.0	0.54752802848815902	0.66797244548797681196865320205688
46	4700.0	1.0	0.65579426288604704	0.69944578409194095375913143157959
47	4800.0	1.0	0.68149435520172102	0.72914540767669683466480965614319
48	4900.0	1.0	0.73739343881607006	0.75693023204803497741894602775574
49	5000.0	0.1	0.78014492988586438	0.78271406888961799 6717631816864
50	5100.0	0.1	0.80207252502441140	0.80646222829818793945567846298218
51	5200.0	0.1	0.80458629131317110	0.82818460464477547715060591697693
52	5300.0	0.1	0.82565629482269209	0.84792864322662359737332463264465
53	5400.0	0.1	0.84440118074417110	0.86577159166336006753164052963257
54	5500.0	0.1	0.88103353977203307	0.88181263208389289911164207458496
55	5600.0	0.1	0.83672332763671188	0.89616674184799019336692690849304
56	5700.0	0.1	0.87900388240814120	0.90895742177963296670462608337402
57	5800.0	0.1	0.91711086034774478	0.92031258344650029652099609375

58	5900.0	0.1	0.9246623516082764	0.9303600192070009938758611679077
59	6000.0	0.1	0.9280450344085693	0.9392242431640625880974292755127
60	6100.0	0.1	0.9453229904174806	0.9470245242118835982032179832458
61	6200.0	0.1	0.9167793989181519	0.9538727402687079611128568649292
62	6300.0	0.1	0.9077658653259277	0.9598732590675354457143545150757
63	6400.0	0.1	0.9301046133041382	0.9651216864585876637174606323242
64	6500.0	0.1	0.9681506752967834	0.9697052836418152983968138694763
65	6600.0	0.1	0.9732487201690674	0.9737029671669006995335340499878
66	6700.0	0.1	0.9255107641220093	0.9771854877471924471188187599182
67	6800.0	0.1	0.9736192226409912	0.9802162051200867932699203491211
68	6900.0	0.1	0.9828488826751709	0.9828515052795419999973773956299
69	7000.0	0.1	0.9567083120346069	0.9851409196853638711385369300842
70	7100.0	0.1	0.9871284961700440	0.9871287345886239999997615814209
71	7200.0	0.1	0.9887582063674927	0.9888536930084229999034404754639
72	7300.0	0.1	0.9902150630950928	0.9903497695922852998639822006226
73	7400.0	0.1	0.9916465878486633	0.9916465878486633
74	7500.0	0.1	0.9657366871833800	0.9927704930305489727692604064941
75	7600.0	0.1	0.9937441945075989	0.9937441945075989
76	7700.0	0.1	0.9945873022079468	0.9945873022079468
77	7800.0	0.1	0.9952331781387329	0.9953174591064453999915361404419
78	7900.0	0.1	0.9959493875503540	0.9959495067596436999998807907104
79	8000.0	0.1	0.9958910942077637	0.9964964985847473993925094604492
80	8100.0	0.1	0.9969698190689087	0.9969698786735535999999403953552
81	8200.0	0.1	0.9972929954528809	0.9973794221878052999133348464966