















## accuracy

	epoch	noisy_train	      
0	100.0	0.5946595460614152	0.5862708719851577
1	200.0	0.40534045393858475	0.4137291280148423
2	300.0	0.5946595460614152	0.5862708719851577
3	400.0	0.612283044058745	0.5992578849721707
4	500.0	0.40534045393858475	0.4137291280148423
5	600.0	0.5946595460614152	0.5862708719851577
6	700.0	0.4611481975967957	0.5343228200371057
7	800.0	0.7279038718291054	0.7291280148423006
8	900.0	0.7377837116154873	0.7680890538033395
9	1000.0	0.727369826435247	0.7792207792207793
10	1100.0	0.7901201602136182	0.8256029684601113
11	1200.0	0.7917222963951935	0.8478664192949907
12	1300.0	0.5276368491321762	0.5640074211502782
13	1400.0	0.8117489986648865	0.8571428571428571
14	1500.0	0.8515353805073431	0.9128014842300557
15	1600.0	0.8630173564753004	0.9183673469387755
16	1700.0	0.8216288384512683	0.87569573283859
17	1800.0	0.865954606141522	0.8942486085343229
18	1900.0	0.8261682242990654	0.8738404452690167
19	2000.0	0.8672897196261682	0.8961038961038961
20	2100.0	0.8907877169559413	0.9090909090909091
21	2200.0	0.9022696929238986	0.9128014842300557
22	2300.0	0.9134846461949265	0.9072356215213359
23	2400.0	0.9110814419225635	0.9128014842300557
24	2500.0	0.9174899866488652	0.9109461966604824
25	2600.0	0.9126835781041388	0.8794063079777366
26	2700.0	0.9516688918558077	0.8942486085343229
27	2800.0	0.9524699599465954	0.8905380333951762
28	2900.0	0.929506008010681	0.8701298701298701
29	3000.0	0.969826435246996	0.9090909090909091
30	3100.0	0.9791722296395193	0.9053803339517625








31	3200.0	0.983177570093458	0.8979591836734694
32	3300.0	0.9858477970627504	0.9016697588126159
33	3400.0	0.9869158878504672	0.9053803339517625
34	3500.0	0.9874499332443257	0.9053803339517625
35	3600.0	0.9887850467289719	0.8998144712430427
36	3700.0	0.9890520694259012	0.9053803339517625
37	3800.0	0.9903871829105474	0.9072356215213359
38	3900.0	0.9906542056074766	0.9053803339517625
39	4000.0	0.9903871829105474	0.9053803339517625
40	4100.0	0.9909212283044059	0.8961038961038961
41	4200.0	0.9903871829105474	0.9109461966604824
42	4300.0	0.9919893190921228	0.9035250463821892
43	4400.0	0.9925233644859813	0.8998144712430427
44	4500.0	0.9927903871829106	0.9016697588126159
45	4600.0	0.9933244325767691	0.9035250463821892

loss

	epoch	noisy_train	      
0	100.0	0.6761965999158762	0.6782433040001813
1	200.0	0.6976233973341474	0.697263191728031
2	300.0	0.6898086389242593	0.6900577720473794
3	400.0	0.692918990628194	0.6928769279928768
4	500.0	0.6943877243389518	0.6942008137702942
5	600.0	0.692465300277128	0.6924008095965666
6	700.0	0.6930372204820988	0.692883593194625
7	800.0	0.692432510650764	0.6922571764272802
8	900.0	0.6920256554070165	0.691753394463483
9	1000.0	0.6908976809453156	0.690309489474577
10	1100.0	0.6836346397965641	0.6814822063726538
11	1200.0	0.6405385444730015	0.6275420118780697
12	1300.0	0.7770283843501139	0.7262571936144548
13	1400.0	0.43352726190272023	0.38456295781275807








14	1500.0	0.3852517446976597	0.29885399078621583
15	1600.0	0.3645609764982078	0.28532567269661846
16	1700.0	0.4349976925779197	0.3707072213292122
17	1800.0	0.36746648983177493	0.3082873654716155
18	1900.0	0.4039679999952599	0.34369858836426453
19	2000.0	0.325708050722793	0.2744658799732433
20	2100.0	0.2925036048863904	0.25648242498145385
21	2200.0	0.31384009672170976	0.27375875325763926
22	2300.0	0.2797244085093676	0.2584505168830647
23	2400.0	0.23361287142892004	0.22606130294940052
24	2500.0	0.22995642017004853	0.22826045488609986
25	2600.0	0.24837777656266244	0.294303264688043
26	2700.0	0.18932859460681173	0.24962787242496715
27	2800.0	0.17576299342563598	0.27457307366763845
28	2900.0	0.2071876697621103	0.28303944757756067
29	3000.0	0.1366852858751002	0.23289609393652747
30	3100.0	0.12902223937592264	0.2441301744650392
31	3200.0	0.1239172749347606	0.24914045018308303
32	3300.0	0.11506568874090405	0.24456840709728353
33	3400.0	0.11341997636955674	0.24422359773341348
34	3500.0	0.10785548685718391	0.24016471119487987
35	3600.0	0.10837674074632636	0.24568378837669597
36	3700.0	0.10150576897470628	0.24130836655111873
37	3800.0	0.10308749001410047	0.24637620808447108
38	3900.0	0.09940703156388413	0.2428702685762854
39	4000.0	0.10012850398987026	0.24761831760406494
40	4100.0	0.1008978660644616	0.25027992225745144
41	4200.0	0.09200028740501	0.23927891605040608
42	4300.0	0.09318506944987734	0.24403596800916336
43	4400.0	0.09452852136376551	0.24732735095655217
44	4500.0	0.09118594096626266	0.24585581614690669
45	4600.0	0.08807724969998254	0.2435562996303334

## normalised\_entropy

	epoch	noisy_train	      
0	100.0	0.9881692980574034	0.9881820112522104
1	200.0	0.9996567622364284	0.999657172661323
2	300.0	0.9997803197524576	0.9997793526729095
3	400.0	0.9999997045551345	0.9999996142838572
4	500.0	0.9999637491553425	0.999965087381055
5	600.0	0.9999961435874409	0.9999954032544082
6	700.0	0.9999985655573245	0.9999988180808101
7	800.0	0.9999984249890408	0.9999975936974577
8	900.0	0.9999966412265405	0.9999951626241539
9	1000.0	0.999987106218198	0.9999841927155051
10	1100.0	0.9998152540586341	0.9997767942071182
11	1200.0	0.9932834753047959	0.9917366155224518
12	1300.0	0.7209788850534742	0.6953492244232121
13	1400.0	0.7221074055606755	0.6682786976915123
14	1500.0	0.7063858806529891	0.6398382487677466
15	1600.0	0.6767918814326797	0.5754004144049311
16	1700.0	0.748861193609174	0.6617810597888614
17	1800.0	0.6971841215609867	0.6083581372404364
18	1900.0	0.6846644017661366	0.5911349949456323
19	2000.0	0.6075941562095535	0.5299932518783881
20	2100.0	0.5863218519254743	0.5174833927614569
21	2200.0	0.6535245762966344	0.5591671701264956
22	2300.0	0.6185120025925707	0.5393365389340884
23	2400.0	0.4789389470072391	0.4202530459260675
24	2500.0	0.5237235156254711	0.4656520075612254
25	2600.0	0.5432706763015411	0.47792421422332027
26	2700.0	0.5086495554892816	0.46519813997626086
27	2800.0	0.46259947626071873	0.4440414520716623
28	2900.0	0.5040922773974601	0.47327772186505773
29	3000.0	0.4206247182490829	0.42070035279792406
30	3100.0	0.4267824399455367	0.4327020308966982

31	3200.0	0.42284944824605825	0.4260505877974303
32	3300.0	0.40555420225070854	0.4141017191927597
33	3400.0	0.40635888404617004	0.4170944783594701
34	3500.0	0.3949431669011772	0.40832028008568927
35	3600.0	0.40095287178641803	0.4182104949384983
36	3700.0	0.383130918636182	0.40465824502297365
37	3800.0	0.39164758486168405	0.41532085468242697
38	3900.0	0.38490082226066946	0.4093144032862279
39	4000.0	0.3889730560047445	0.41716617909787096
40	4100.0	0.3937660053113751	0.42311935566351894
41	4200.0	0.3678536433323681	0.3974438085184469
42	4300.0	0.3769058931972061	0.411093046581148
43	4400.0	0.3825638936660955	0.4174708187690692
44	4500.0	0.3750052077509214	0.41172635710084593
45	4600.0	0.3673971495657005	0.4048432719950773

max\_p

	epoch	noisy_train	      
0	100.0	0.5639450974394387	0.5639107797937624
1	200.0	0.5109059186421027	0.5108993349800747
2	300.0	0.5087246587343305	0.5087438912471283
3	400.0	0.500283815513784	0.5003280692728641
4	500.0	0.5035385697483221	0.5034704615322247
5	600.0	0.5011231347460932	0.5012181818153508
6	700.0	0.5006130105503729	0.5005153203054793
7	800.0	0.500598677901305	0.5007503576756408
8	900.0	0.500871548092413	0.5010605035332448
9	1000.0	0.501661913194389	0.5018978614311713
10	1100.0	0.5064276378686342	0.5073631371549419
11	1200.0	0.5358763323447733	0.5418642075915505
12	1300.0	0.7632883847316849	0.7758868965899126
13	1400.0	0.7582916555958533	0.7878143119458144

14	1500.0	0.7850385373997911	0.8186604494508875
15	1600.0	0.7822398903054771	0.8328613465261371
16	1700.0	0.723044544482263	0.7792074773218725
17	1800.0	0.7646925584973894	0.8125325169324432
18	1900.0	0.7606706196220917	0.8114635382600972
19	2000.0	0.8249822942850905	0.8590127983871771
20	2100.0	0.8326699601155575	0.8601048492544878
21	2200.0	0.7847957131063668	0.8297856353873003
22	2300.0	0.8111849214269895	0.844164920870581
23	2400.0	0.8764701825117714	0.8954054880230679
24	2500.0	0.8608161584875772	0.8818083464104081
25	2600.0	0.8404825077992734	0.8669031422744213
26	2700.0	0.8647300142153242	0.878815847336693
27	2800.0	0.8798261103706462	0.8831978693521532
28	2900.0	0.8641434437442367	0.8729625517892926
29	3000.0	0.8987421139219256	0.8946834946386447
30	3100.0	0.8977770798037622	0.8888881732891132
31	3200.0	0.8989875145047624	0.8915579234956589
32	3300.0	0.9058983482728813	0.8964666497508316
33	3400.0	0.9060230028804377	0.8953240877622134
34	3500.0	0.910396294090872	0.8988543600673357
35	3600.0	0.9086796479645336	0.8941791371644539
36	3700.0	0.9147916686232481	0.9002624929283015
37	3800.0	0.9122400612156286	0.895982278742463
38	3900.0	0.9148469109242366	0.8980950194519836
39	4000.0	0.9137217015067789	0.8962160333410486
40	4100.0	0.9121519376025181	0.8929676133759168
41	4200.0	0.9205787720444684	0.9039326740328589
42	4300.0	0.9183266696210538	0.898141606176939
43	4400.0	0.9165411121536479	0.895564739248527
44	4500.0	0.9192197657872901	0.898317475044661
45	4600.0	0.9217679274575573	0.9013017820736915

metadata

	epoch	lr_change_ratio	batch_mean_epsilon	batch_valid_ratio	batch_mean_grad_norm	batch_mean_entropy	list
0	100.0	1.0	-1.0	-0.03125	-1.0	-1.0	
1	200.0	1.0	-1.0	-0.03125	-1.0	-1.0	
2	300.0	1.0	-1.0	-0.03125	-1.0	-1.0	
3	400.0	1.0	-1.0	-0.03125	-1.0	-1.0	
4	500.0	1.0	-1.0	-0.03125	-1.0	-1.0	
5	600.0	1.0	-1.0	-0.03125	-1.0	-1.0	
6	700.0	1.0	-1.0	-0.03125	-1.0	-1.0	
7	800.0	1.0	-1.0	-0.03125	-1.0	-1.0	
8	900.0	1.0	-1.0	-0.03125	-1.0	-1.0	
9	1000.0	1.0	-1.0	-0.03125	-1.0	-1.0	
10	1100.0	1.0	-1.0	-0.03125	-1.0	-1.0	
11	1200.0	1.0	-1.0	-0.03125	-1.0	-1.0	
12	1300.0	1.0	-1.0	-0.03125	-1.0	-1.0	
13	1400.0	1.0	-1.0	-0.03125	-1.0	-1.0	
14	1500.0	1.0	-1.0	-0.03125	-1.0	-1.0	
15	1600.0	1.0	-1.0	-0.03125	-1.0	-1.0	
16	1700.0	1.0	-1.0	-0.03125	-1.0	-1.0	
17	1800.0	1.0	-1.0	-0.03125	-1.0	-1.0	
18	1900.0	1.0	-1.0	-0.03125	-1.0	-1.0	
19	2000.0	1.0	-1.0	-0.03125	-1.0	-1.0	
20	2100.0	1.0	-1.0	-0.03125	-1.0	-1.0	
21	2200.0	1.0	-1.0	-0.03125	-1.0	-1.0	
22	2300.0	1.0	-1.0	-0.03125	-1.0	-1.0	
23	2400.0	1.0	-1.0	-0.03125	-1.0	-1.0	
24	2500.0	1.0	-1.0	-0.03125	-1.0	-1.0	
25	2600.0	1.0	-1.0	-0.03125	-1.0	-1.0	
26	2700.0	1.0	-1.0	-0.03125	-1.0	-1.0	
27	2800.0	1.0	-1.0	-0.03125	-1.0	-1.0	
28	2900.0	1.0	-1.0	-0.03125	-1.0	-1.0	
29	3000.0	0.1	-1.0	-0.03125	-1.0	-1.0	
30	3100.0	0.1	-1.0	-0.03125	-1.0	-1.0	

31	3200.0	0.1	-1.0	-0.03125	-1.0	-1.0	
32	3300.0	0.1	-1.0	-0.03125	-1.0	-1.0	
33	3400.0	0.1	-1.0	-0.03125	-1.0	-1.0	
34	3500.0	0.1	-1.0	-0.03125	-1.0	-1.0	
35	3600.0	0.1	-1.0	-0.03125	-1.0	-1.0	
36	3700.0	0.1	-1.0	-0.03125	-1.0	-1.0	
37	3800.0	0.1	-1.0	-0.03125	-1.0	-1.0	
38	3900.0	0.1	-1.0	-0.03125	-1.0	-1.0	
39	4000.0	0.1	-1.0	-0.03125	-1.0	-1.0	
40	4100.0	0.1	-1.0	-0.03125	-1.0	-1.0	
41	4200.0	0.1	-1.0	-0.03125	-1.0	-1.0	
42	4300.0	0.1	-1.0	-0.03125	-1.0	-1.0	
43	4400.0	0.1	-1.0	-0.03125	-1.0	-1.0	
44	4500.0	0.1	-1.0	-0.03125	-1.0	-1.0	
45	4600.0	0.1	-1.0	-0.03125	-1.0	-1.0	