

## accuracy

	epoch	test_resizecrop
0	1000.0	0.5986930693069307
1	2000.0	0.6578217821782179
2	3000.0	0.6605148514851485
3	4000.0	0.6526732673267327
4	5000.0	0.6703366336633664
5	6000.0	0.6894257425742574
6	7000.0	0.712079207920792
7	8000.0	0.713980198019802
8	9000.0	0.7220990099009901
9	10000.0	0.7388514851485148
10	11000.0	0.7428514851485148
11	12000.0	0.7445940594059406
12	13000.0	0.7605544554455446
13	14000.0	0.7561584158415842
14	15000.0	0.7601188118811881
15	16000.0	0.7672079207920792
16	17000.0	0.7722376237623763
17	18000.0	0.773980198019802
18	19000.0	0.7720396039603961
19	20000.0	0.7580594059405941
20	21000.0	0.7744158415841584
21	22000.0	0.768950495049505
22	23000.0	0.7788118811881188
23	24000.0	0.7697821782178218
24	25000.0	0.7864950495049505
25	26000.0	0.7768316831683169
26	27000.0	0.7878019801980198
27	28000.0	0.7734653465346535
28	29000.0	0.8390891089108911
29	30000.0	0.8432475247524752
30	31000.0	0.8388118811881188

31	32000.0	0.8449108910891089
32	33000.0	0.845069306930693
33	34000.0	0.8507326732673267
34	35000.0	0.846019801980198
35	36000.0	0.8475643564356435
36	37000.0	0.8527920792079208
37	38000.0	0.8518415841584158
38	39000.0	0.8496237623762376
39	40000.0	0.8491089108910891
40	41000.0	0.8517227722772277
41	42000.0	0.8504158415841584
42	43000.0	0.8549306930693069
43	44000.0	0.8525940594059406
44	45000.0	0.8581782178217822
45	46000.0	0.8526732673267327
46	47000.0	0.8628118811881188
47	48000.0	0.8619405940594059
48	49000.0	0.862019801980198
49	50000.0	0.8640792079207921
50	51000.0	0.8649504950495049
51	52000.0	0.8621386138613861
52	53000.0	0.8635247524752475
53	54000.0	0.8624950495049505
54	55000.0	0.8653465346534653
55	56000.0	0.8666930693069307
56	57000.0	0.8621386138613861
57	58000.0	0.8629306930693069
58	59000.0	0.8632871287128713
59	60000.0	0.863009900990099
60	61000.0	0.8636831683168317
61	62000.0	0.8634851485148515
62	63000.0	0.8661386138613861
63	64000.0	0.8673267326732673
64	65000.0	0.865029702970297

65	66000.0	0.8668514851485148
66	67000.0	0.8668910891089109
67	68000.0	0.8649504950495049
68	69000.0	0.8648712871287129
69	70000.0	0.8664158415841584
70	71000.0	0.8678811881188119
71	72000.0	0.8659405940594059

loss

	epoch	test_loss
0	1000.0	1.5399558279249403
1	2000.0	1.2804971787363593
2	3000.0	1.2797978526414042
3	4000.0	1.3268116947376367
4	5000.0	1.2760463543612548
5	6000.0	1.1648570472242856
6	7000.0	1.103324214015344
7	8000.0	1.0979582056252644
8	9000.0	1.0700397194937021
9	10000.0	0.9860864654935971
10	11000.0	0.9823545670569546
11	12000.0	0.9765065849730463
12	13000.0	0.9182738250855244
13	14000.0	0.9347102240179525
14	15000.0	0.9191971734316662
15	16000.0	0.8882908614897969
16	17000.0	0.8806140031477417
17	18000.0	0.8869326284738502
18	19000.0	0.8791867781317595
19	20000.0	0.9345188682729547
20	21000.0	0.8573624643713537
21	22000.0	0.8920156352146708

22	23000.0	0.8447983343191822
23	24000.0	0.859861770738857
24	25000.0	0.8174981959540435
25	26000.0	0.8520147333090956
26	27000.0	0.8094658046358764
27	28000.0	0.8678513065432057
28	29000.0	0.6122327864621625
29	30000.0	0.5925306616859003
30	31000.0	0.6025933025009704
31	32000.0	0.5842717472802509
32	33000.0	0.5839900555785256
33	34000.0	0.5673830177296292
34	35000.0	0.5749370185564263
35	36000.0	0.5657643982858369
36	37000.0	0.554122606762732
37	38000.0	0.5574124252254312
38	39000.0	0.561770498752594
39	40000.0	0.5635962004613395
40	41000.0	0.5564577787211447
41	42000.0	0.5606737494318172
42	43000.0	0.5470306334471462
43	44000.0	0.5568451532209763
44	45000.0	0.5331081340108255
45	46000.0	0.5460069935129146
46	47000.0	0.5221929380839522
47	48000.0	0.5261836718730252
48	49000.0	0.5258539118851074
49	50000.0	0.5153077999600256
50	51000.0	0.5201170038845804
51	52000.0	0.5278005205621623
52	53000.0	0.5291879215475285
53	54000.0	0.5316431917475931
54	55000.0	0.5268294138438774
55	56000.0	0.5258048443180142

56	57000.0	0.5490405543735533
57	58000.0	0.5406364319149894
58	59000.0	0.5485310280563855
59	60000.0	0.5494860993190245
60	61000.0	0.5471013487890514
61	62000.0	0.548815872256804
62	63000.0	0.544823527787671
63	64000.0	0.545130026460898
64	65000.0	0.551099690222981
65	66000.0	0.5455635929800043
66	67000.0	0.550175839000278
67	68000.0	0.5566576415240162
68	69000.0	0.5576400345925129
69	70000.0	0.5572385727004572
70	71000.0	0.553343423764513
71	72000.0	0.5565806352580437

normalised\_entropy

	epoch	test
0	1000.0	0.4302896384059793
1	2000.0	0.3354046872582766
2	3000.0	0.3223992921432646
3	4000.0	0.3279490611010259
4	5000.0	0.3305116111075524
5	6000.0	0.30765023169187034
6	7000.0	0.29785795842538965
7	8000.0	0.31540235825340346
8	9000.0	0.30785500365908786
9	10000.0	0.2754843506010452
10	11000.0	0.28807221433431796
11	12000.0	0.2762376887633069
12	13000.0	0.2746676806459332
13	14000.0	0.2699741479099387

14	15000.0	0.2640132246867265
15	16000.0	0.26817785746508305
16	17000.0	0.2612758102416992
17	18000.0	0.27262634700359684
18	19000.0	0.2542882248529113
19	20000.0	0.26686705719598447
20	21000.0	0.24940323684239152
21	22000.0	0.2493543002062505
22	23000.0	0.2419713314547397
23	24000.0	0.23423833537337804
24	25000.0	0.23469616087356415
25	26000.0	0.24064899693857325
26	27000.0	0.22995115888236772
27	28000.0	0.22633761570241193
28	29000.0	0.17724059337200504
29	30000.0	0.17100771301571685
30	31000.0	0.1684628827689898
31	32000.0	0.16530686497452235
32	33000.0	0.1628681219119837
33	34000.0	0.15764441118145933
34	35000.0	0.14909845495696114
35	36000.0	0.14818752500326327
36	37000.0	0.13959103291577632
37	38000.0	0.13941872043420772
38	39000.0	0.13085327216422205
39	40000.0	0.13263893036795135
40	41000.0	0.12255217739142994
41	42000.0	0.11899578290882677
42	43000.0	0.11483872047273239
43	44000.0	0.11522164546853245
44	45000.0	0.10766680734464437
45	46000.0	0.10654427760662419
46	47000.0	0.09918909792380758

47	48000.0	0.09867014112566957
48	49000.0	0.0925568899211317
49	50000.0	0.09035505175826573
50	51000.0	0.08639594183817949
51	52000.0	0.08328127857246022
52	53000.0	0.08376626109132672
53	54000.0	0.0795437287434493
54	55000.0	0.07656595265983356
55	56000.0	0.07369936351964969
56	57000.0	0.07213845704333617
57	58000.0	0.07316109241825519
58	59000.0	0.06717017119001634
59	60000.0	0.06524025516698856
60	61000.0	0.0678038755737909
61	62000.0	0.06457706908424302
62	63000.0	0.06387393360326786
63	64000.0	0.062254081990459176
64	65000.0	0.062288883530267396
65	66000.0	0.062045315676396436
66	67000.0	0.05980043245070051
67	68000.0	0.05848524014312442
68	69000.0	0.05964541731730546
69	70000.0	0.058770514913124614
70	71000.0	0.056845980181552395
71	72000.0	0.058049022674560545

max\_p

	epoch	test
0	1000.0	0.5095098601992768
1	2000.0	0.6121391547174737
2	3000.0	0.6281053584637029
3	4000.0	0.6200382953303876
4	5000.0	0.6206777337706916

5	6000.0	0.6463140113755028
6	7000.0	0.6590993818528581
7	8000.0	0.6434569726320777
8	9000.0	0.6538890244889968
9	10000.0	0.6852398566822014
10	11000.0	0.6737716218551787
11	12000.0	0.6830677248510983
12	13000.0	0.690506414734491
13	14000.0	0.694529261522954
14	15000.0	0.700098081381014
15	16000.0	0.695856960183323
16	17000.0	0.7046657201181544
17	18000.0	0.6945020495122022
18	19000.0	0.7105545781201655
19	20000.0	0.6956294132648128
20	21000.0	0.7172128525535659
21	22000.0	0.7164754560111772
22	23000.0	0.7247427265431621
23	24000.0	0.7317384577080754
24	25000.0	0.7319874167867226
25	26000.0	0.7257525408149946
26	27000.0	0.7376130144478071
27	28000.0	0.7396261125319075
28	29000.0	0.7967081247461905
29	30000.0	0.8038157529925356
30	31000.0	0.8065336974493348
31	32000.0	0.8101391939975248
32	33000.0	0.813515079913753
33	34000.0	0.8192479024452738
34	35000.0	0.8271954811020653
35	36000.0	0.8277755368676516
36	37000.0	0.8370046392761835
37	38000.0	0.8375685811562114
38	39000.0	0.8455666666666667



38	39000.0	0.845500026589573
39	40000.0	0.8442518395150062
40	41000.0	0.8539567701887376
41	42000.0	0.858641019613436
42	43000.0	0.8626096203492419
43	44000.0	0.8626578181804997
44	45000.0	0.8702478794815517
45	46000.0	0.8710100895343441
46	47000.0	0.8799652921468905
47	48000.0	0.8802830828676129
48	49000.0	0.8860335161567915
49	50000.0	0.8887114553923654
50	51000.0	0.892898233848043
51	52000.0	0.8958914124139464
52	53000.0	0.8954318908087098
53	54000.0	0.8995702919535118
54	55000.0	0.9027678536896658
55	56000.0	0.9058606355874845
56	57000.0	0.9067811345770808
57	58000.0	0.9068356027131034
58	59000.0	0.9129234794390083
59	60000.0	0.9142752697633044
60	61000.0	0.9123149256942296
61	62000.0	0.9153491428488552
62	63000.0	0.9162947798625077
63	64000.0	0.9182022505656328
64	65000.0	0.91794183893487
65	66000.0	0.9184011381545869
66	67000.0	0.920360164226872
67	68000.0	0.921422960338026
68	69000.0	0.9207493570157798
69	70000.0	0.9216149001924118
70	71000.0	0.9234264961469292
71	72000.0	0.9223868885606823

# metadata

	epoch	lr_change_ratio	batch_mean_epsilon	batch_valid_ratio	batch_mean_grad_norm	batch_mean_epsilon
0	1000.0	0.20454545454545454	0.5547162955254316	0.33	0.020038599148392673	0.43974113464355
1	2000.0	0.4111570247933885	0.1756779290735721	0.16	0.022319868206977087	0.0921492576599
2	3000.0	0.6177685950413203	0.1983118057250976	0.16	0.024854253977530155	0.78988885879517
3	4000.0	0.8243801652892563	0.2110205963253975	0.15	0.02766826748847967	0.26808881759644
4	5000.0	1.0	0.02430166862905025	0.55	0.030790835618977078	0.92500162124634
5	6000.0	1.0	0.02963227592408657	0.57	0.034253384917974086	0.50903701782227
6	7000.0	1.0	0.03103690035641193	0.34	0.03809000924229622	0.14830482006073
7	8000.0	1.0	0.03556222468614578	0.18	0.042337533086530333	0.9969277381897
8	9000.0	1.0	0.04015880078077316	0.16	0.047035541385412085	0.7969589233398
9	10000.0	1.0	0.04437331110239029	0.29	0.05222644284367568	0.496330380439758
10	11000.0	1.0	0.04919124394655228	0.28	0.057955373078584084	0.87778902053833
11	12000.0	1.0	0.05296534672379494	0.29	0.064270108938210182	0.24105441570282
12	13000.0	1.0	0.05842907354235649	0.19	0.071220889687538182	0.20392370223999
13	14000.0	1.0	0.06733357906341553	0.53	0.07886003702878952	0.538365364074707
14	15000.0	1.0	0.07222089171409607	0.07	0.087241582572460182	0.78264999389648
15	16000.0	1.0	0.08112890273332596	0.56	0.096420720219612084	0.14052724838257
16	17000.0	1.0	0.09043071419000626	0.26	0.106452979147434028	0.494898080825806
17	18000.0	1.0	0.09807451069355010	0.10	0.117393463850020363	0.54341983795166
18	19000.0	1.0	0.10908913612365723	0.13	0.129295632243156484	0.37186479568481
19	20000.0	1.0	0.11547056585550308	0.08	0.142210111021995581	0.19716048240662
20	21000.0	1.0	0.12675425410270690	0.90	0.15618313848972328	0.115745186805725
21	22000.0	1.0	0.13979512453079224	0.24	0.17125499248504648	0.162980675697327
22	23000.0	1.0	0.15885761380195618	0.18	0.187458172440528874	0.74297523498535
23	24000.0	1.0	0.17419034242630005	0.05	0.20481556653976048	0.504741787910461
24	25000.0	1.0	0.19522683322429657	0.57	0.223338350653648387	0.4130368232727
25	26000.0	1.0	0.21094253659248352	0.52	0.24302430450916298	0.679895401000977
26	27000.0	1.0	0.22712551057338715	0.15	0.263855993747711028	0.607934713363647
27	28000.0	1.0	0.24731644988059998	0.98	0.285799145698540366	0.53505444526672
28	29000.0	0.20000000000000000	0.27414262294769287	0.87	0.308801651000976588	0.77627849578857
29	30000.0	0.20000000000000000	0.297859787940979.0	0.9	0.332792848348610589	0.5030677318573

[illegible]

63	64000.0	0.008000000000000000	0.00859842300415040	0.9547579288482669	0.9516531825065613
64	65000.0	0.008000000000000000	0.008397934198379520	0.9592843651771545	0.9631965160369873
65	66000.0	0.008000000000000000	0.008532758951187130	0.9633754491806080	0.9708858728408813
66	67000.0	0.008000000000000000	0.008403073072433470	0.9670694470405570	0.9745155143737793
67	68000.0	0.008000000000000000	0.0082984127998352050	0.9704024195671082	0.97582017660140991
68	69000.0	0.008000000000000000	0.0085053583383560180	0.9734072685241699	0.9765037298202515
69	70000.0	0.008000000000000000	0.0084006073474884030	0.9761146306991507	0.97630638360977173
70	71000.0	0.008000000000000000	0.00833855533599850	0.9785524010658264	0.9701458811759949
71	72000.0	0.008000000000000000	0.00857454299926760	0.9807462692260702	0.9671967029571533