epoch	train/box_loss	train/obj_loss	train/cls_loss	metrics/precision
. 0	0.0095676	0.0041869	0.0010708	0.99814
1	0.0090102	0.0043563	0.00077998	0.99816
2	0.0085187	0.0041866	0.0013767	0.99817
3	0.010363	0.004379	0.001123	0.99821
4	0.011564	0.0052168	0.0010354	0.99817
5	0.010662	0.0046437	0.0015534	0.99819
6	0.010793	0.0046998	0.0013225	0.99822
7	0.013005	0.0042514	0.00061594	0.99833
8	0.01006	0.0044136	0.0027922	0.99825
9	0.01581	0.0049015	0.0023718	0.99856
10	0.015621	0.0046176	0.0011733	0.99842
11	0.01226	0.0042146	0.00081555	0.99865
12	0.017566	0.005508	0.0016338	0.99844
13	0.015083	0.0050293	0.0012914	0.99837
14	0.017518	0.0050912	0.00080677	0.99844
15	0.016433	0.0048618	0.00074747	0.99854
16	0.017944	0.0048711	0.0010574	0.99874
17	0.013198	0.0044137	0.0014537	0.99873
18	0.015473	0.0050514	0.0010834	0.99848
19	0.014885	0.0054479	0.00084877	0.99824
20	0.017766	0.005223	0.0019813	0.99804
21	0.012682	0.0051321	0.0010621	0.99825
22	0.014719	0.0047343	0.0010245	0.99848
23	0.01501	0.0052027	0.0015914	0.99858
24	0.018033	0.0051991	0.0019927	0.99858
25	0.013956	0.0058015	0.0024173	0.99842
26	0.015223	0.0057804	0.0020904	0.99844
27	0.014448	0.0047047	0.00084499	0.99831
28	0.015192	0.004916	0.001405	0.99791
29	0.013736	0.0049425	0.0029395	0.99783
30	0.015314	0.0057363	0.001706	0.99763
31	0.014244	0.0049426	0.001635	0.99774
32	0.017177	0.0051118	0.0018082	0.9979
33	0.013644	0.0046159	0.0017413	0.99835
34	0.015758	0.0053318	0.0018189	0.99874
35	0.013911	0.0047708	0.0019587	0.99864
36	0.016727	0.0049585	0.0017328	0.99851
37	0.013835	0.0045532	0.0028812	0.99836
38	0.016304	0.0052253	0.0013166	0.99873
39	0.01553	0.0056663	0.0013527	0.99859
40	0.01482	0.005393	0.0020823	0.99846
41	0.013947	0.0050091	0.0026061	0.99839
42	0.014186	0.0053289	0.0015473	0.99827
43	0.014258	0.0048204	0.0011946	0.99828
44	0.018016	0.0050254	0.0013185	0.99833
45	0.01707	0.0050258	0.0020545	0.99835
46	0.017257	0.0056569	0.0015057	0.99861
47	0.014545	0.0046819	0.0014007	0.9987
48	0.015195	0.0051039	0.0022489	0.99866
49	0.014131	0.0049752	0.0018502	0.99867
50	0.016044	0.0047285	0.0020463	0.99856
51	0.014893	0.0050883	0.0022214	0.99848

52	0.014338	0.004889	0.0021236	0.99811
53	0.013291	0.0048473	0.0015184	0.99833
54	0.016025	0.0049168	0.0023007	0.99794
55	0.014279	0.0049468	0.0019571	0.99818
56	0.016061	0.0048147	0.0008812	0.99826
57	0.014179	0.0051435	0.001046	0.99829
58	0.016841	0.005374	0.00086892	0.99823
59	0.014988	0.0055755	0.00096496	0.99813
60	0.01567	0.0046972	0.0014815	0.99831
61	0.015177	0.0045988	0.0018444	0.99829
62	0.014675	0.0050138	0.0021696	0.99849
63	0.014591	0.0049861	0.0014771	0.99861
64	0.014064	0.0054446	0.0016884	0.99838
65	0.012352	0.0047828	0.0015466	0.99849
66	0.013335	0.0044917	0.0020786	0.99823
67	0.014362	0.0052242	0.001944	0.99792
68	0.015491	0.0050069	0.001014	0.99781
69	0.014343	0.0048312	0.001182	0.99793
70	0.014459	0.0052867	0.0017236	0.99814
71	0.014509	0.0050288	0.0016026	0.99853
72	0.015523	0.005229	0.0020733	0.99843
73	0.013129	0.0040926	0.0020752	0.99859
74	0.015099	0.0053019	0.0014181	0.99857
75	0.013971	0.004885	0.0017761	0.99876
76	0.015811	0.0055154	0.0013895	0.99872
77	0.013118	0.0048203	0.0013492	0.99862
78	0.016147	0.0052135	0.0025512	0.99842
79	0.013288	0.0047617	0.00086045	0.99853
80	0.013806	0.0047889	0.0020634	0.99869
81	0.012755	0.0056003	0.0011824	0.99873
82	0.015428	0.0047373	0.0012492	0.99867
83	0.013839	0.0050745	0.0008261	0.99864
84	0.015364	0.0047801	0.0011662	0.99865
85	0.013099	0.0043735	0.0020164	0.99847
86	0.016461	0.0046999	0.0012917	0.99847
87	0.01481	0.0050653	0.0019867	0.99844
88	0.015209	0.0048271	0.0018604	0.99845
89	0.013569	0.0047861	0.002001	0.99873
90	0.016949	0.0055104	0.0011341	0.99868
91	0.015845	0.0050472	0.0020432	0.99833
92	0.015188	0.0050429	0.001198	0.99829
93	0.01294	0.0050494	0.0016362	0.99853
94	0.013683	0.0050212	0.0020796	0.99865
95	0.012326	0.0039597	0.00081142	0.99865
96	0.016537	0.0043412	0.001343	0.9987
97	0.016732	0.0046287	0.0015683	0.9986
98	0.017773	0.0050393	0.0014266	0.99849
99	0.013187	0.0053474	0.0018903	0.99839
100	0.017364	0.0054072	0.0019011	0.99868
101	0.016341	0.0052534	0.0025061	0.99842
102	0.01671	0.0049435	0.00089728	0.99827
103	0.014641	0.0051484	0.001198	0.99831
104	0.016333	0.005434	0.00083653	0.99813
				_

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105 0.015029 0.0050803 0.0023028 0.99823

metrics/recall	metrics/mAP_0.5	metrics/mAP_0.5:0.95	val/box_loss	val/obj_loss
1	0.995	0.95943	0.0068161	0.0019617
1	0.995	0.96547	0.0059679	0.0018641
1	0.995	0.97006	0.0059732	0.0018376
1	0.995	0.97363	0.0075912	0.001931
1	0.995	0.96858	0.0073378	0.0018725
1	0.995	0.98295	0.0063965	0.001741
1	0.995	0.96824	0.0082592	0.0018924
1	0.995	0.96273	0.0085301	0.0019596
1	0.995	0.92686	0.010306	0.0021278
1	0.995	0.94467	0.0091314	0.0019058
1	0.995	0.94354	0.0064737	0.0017627
1	0.995	0.93572	0.01216	0.0021587
1	0.995	0.90436	0.01044	0.0020488
1	0.995	0.94865	0.0080614	0.0018816
1	0.995	0.79094	0.021411	0.0027161
1	0.995	0.91418	0.013902	0.0024983
1	0.995	0.9356	0.01339	0.0023581
1	0.995	0.91545	0.011559	0.0024154
1	0.995	0.8364	0.014551	0.0026249
1	0.995	0.90369	0.013222	0.002508
1	0.995	0.84149	0.012763	0.0024193
1	0.995	0.93535	0.010225	0.0023251
1	0.995	0.87084	0.013167	0.0023144
1	0.995	0.83172	0.019283	0.0025483
1	0.995	0.89691	0.011895	0.0023026
1	0.995	0.9197	0.011453	0.0022385
1	0.995	0.91483	0.012039	0.0022478
1	0.995	0.90089	0.013065	0.0023498
1	0.995	0.84742	0.014249	0.0023446
1	0.995	0.92523	0.0096529	0.0022364
1	0.995	0.9095	0.014181	0.0024552
1	0.995	0.87525	0.014293	0.002566
1	0.995	0.93086	0.013398	0.0024317
1	0.995	0.92031	0.012718	0.0024496
1	0.995	0.88021	0.011479	0.0024481
1	0.995	0.8693	0.014856	0.0025608
1	0.995	0.91969	0.011917	0.0027916
1	0.995	0.93934	0.012206	0.002815
1	0.995	0.90514	0.014497	0.0029252
1	0.995	0.93759	0.010573	0.0027401
1	0.995	0.87034	0.013032	0.0028609
1	0.995	0.91651	0.010542	0.0023639
1	0.995	0.87729	0.013931	0.0024084
1	0.995	0.87169	0.014334	0.0024615
1	0.995	0.83243	0.014875	0.0025812
1	0.995	0.85281	0.013859	0.0023516
1	0.995	0.89481	0.012671	0.002408
1	0.995	0.92531	0.010171	0.0022041
1	0.995	0.90778	0.012838	0.0023456
1 1	0.995 0.995	0.93906 0.87792	0.011823 0.013231	0.0022337 0.002465
1	0.995	0.87792	0.013231	0.002465
Ţ	0.995	0.81180	0.010030	0.0023030

	44004040 0021 4	700 3030 000010000	111	
1	0.995	0.90402	0.012321	0.0023154
1	0.995	0.8914	0.012542	0.0023811
1	0.995	0.8903	0.013684	0.0025552
1	0.995	0.87932	0.012664	0.0023964
1	0.995	0.87679	0.01434	0.0024692
1	0.995	0.88165	0.013314	0.0024319
1	0.995	0.88715	0.012043	0.0022811
1	0.995	0.93215	0.011051	0.0023299
1	0.995	0.88061	0.014683	0.0025155
1	0.995	0.93821	0.01032	0.0021615
1	0.995	0.88439	0.013079	0.002244
1	0.995	0.9476	0.0097147	0.0021813
1	0.995	0.91063	0.01062	0.0022694
1	0.995	0.92705	0.0091127	0.0021534
1	0.995	0.87807	0.014889	0.002503
1	0.995	0.91553	0.012513	0.0024188
1	0.995	0.83996	0.015102	0.0024975
1	0.995	0.93083	0.0095078	0.0021674
1	0.995	0.88385	0.01417	0.0023669
1	0.995	0.91606	0.012185	0.0023657
1	0.995	0.89445	0.012103	0.0022377
1	0.995	0.93059	0.0099869	0.0022577
1	0.995	0.89929	0.015624	0.0024307
1	0.995	0.91309	0.013024	0.0024421
1	0.995	0.92511	0.001512	0.002140
1	0.995	0.90573	0.009322	0.0020351
1	0.995	0.90373	0.011631	0.0023502
1	0.995	0.92236	0.010427	0.0021338
1	0.995	0.92512	0.0099031	0.0022674
1	0.995	0.95269	0.01025	0.0022574
1	0.995	0.91318	0.011300	0.0022374
1	0.995	0.94307	0.012497	0.0021778
1	0.995	0.91838	0.012095	0.0022554
1	0.995	0.91537	0.012095	0.0023506
1	0.995	0.91553	0.013081	0.0022009
				0.0022962
1	0.995	0.94698	0.01179	
1	0.995	0.92463	0.012657 0.012271	0.0021744
1	0.995	0.95461		0.0022602
1	0.995	0.8406	0.013317	0.0024577
1	0.995	0.95138	0.0096848	0.0020948
1	0.995	0.91289	0.013534	0.0024179
1	0.995	0.91741	0.010828	0.0023098
1	0.995	0.91824	0.010101	0.0023355
1	0.995	0.91313	0.014407	0.0025988
1	0.995	0.83288	0.015425	0.0025583
1	0.995	0.84914	0.018369	0.0026513
1	0.995	0.90305	0.0095662	0.002301
1	0.995	0.90108	0.012431	0.0023467
1	0.995	0.86865	0.014101	0.0024697
1	0.995	0.92114	0.013012	0.002388
1	0.995	0.92392	0.011241	0.0023266
1	0.995	0.89509	0.013481	0.0024651
1	0.995	0.91216	0.011596	0.0022798

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1 0.995 0.91479 0.013647 0.002489

val/alc loce	x/lr0	x/lr1	v/lr2
val/cls_loss			x/lr2
0.00040793	0.0955	0.0005	0.0005
0.00039295	0.0901	0.0010998	0.0010998
0.00038061	0.084699	0.0016993	0.0016993
0.00036612	0.079299	0.0022986	0.0022986
0.00035623	0.073898	0.0028977	0.0028977
0.00034458	0.068497	0.0034965	0.0034965
0.00033064	0.063095	0.0040951	0.0040951
0.00031398	0.057693	0.0046935	0.0046935
0.00029416	0.052292	0.0052916	0.0052916
0.00029066	0.046889	0.0058895	0.0058895
0.00029513	0.041487	0.0064871	0.0064871
0.00029219	0.036085	0.0070845	0.0070845
0.00030141	0.030682	0.0076817	0.0076817
0.00031509	0.025279	0.0082786	0.0082786
0.00032509	0.019875	0.0088753	0.0088753
0.00033266	0.014472	0.0094718	0.0094718
0.00038733	0.0099683	0.0099683	0.0099683
0.00046156	0.0099683	0.0099683	0.0099683
0.0004711	0.0099663	0.0099663	0.0099663
0.00056195	0.0099644	0.0099644	0.0099644
0.00063621	0.0099624	0.0099624	0.0099624
0.00073029	0.0099604	0.0099604	0.0099604
0.00075192	0.0099584	0.0099584	0.0099584
0.00077084	0.0099564	0.0099564	0.0099564
0.00073137	0.0099545	0.0099545	0.0099545
0.0006948	0.0099525	0.0099525	0.0099525
0.0006669	0.0099505	0.0099505	0.0099505
0.00059703	0.0099485	0.0099485	0.0099485
0.00053746	0.0099465	0.0099465	0.0099465
0.00052266	0.0099446	0.0099446	0.0099446
0.00051565	0.0099446	0.0099426	0.0099426
0.00051963	0.0099426	0.0099406	0.0099406
0.00051903	0.0099386	0.0099386	0.0099386
0.00053272	0.0099366	0.0099366	0.0099366
0.00053622	0.0099347	0.0099347	0.0099347
0.00051254	0.0099327	0.0099327	0.0099327
0.00049292	0.0099307	0.0099307	0.0099307
0.00048593	0.0099287	0.0099287	0.0099287
0.00050693	0.0099267	0.0099267	0.0099267
0.00056237	0.0099248	0.0099248	0.0099248
0.00060131	0.0099228	0.0099228	0.0099228
0.00061291	0.0099208	0.0099208	0.0099208
0.00062521	0.0099188	0.0099188	0.0099188
0.00064074	0.0099168	0.0099168	0.0099168
0.00062545	0.0099149	0.0099149	0.0099149
0.0006539	0.0099129	0.0099129	0.0099129
0.0006316	0.0099109	0.0099109	0.0099109
0.00060484	0.0099089	0.0099089	0.0099089
0.00058057	0.0099069	0.0099069	0.0099069
0.00053323	0.009905	0.009905	0.009905
0.00052403	0.009903	0.009903	0.009903
0.00047083	0.009901	0.009901	0.009901

0.00045549	0.009899	0.009899	0.009899
0.00043658	0.009897	0.009897	0.009897
0.00043184	0.0098951	0.0098951	0.0098951
0.00038772	0.0098931	0.0098931	0.0098931
0.00037626	0.0098911	0.0098911	0.0098911
0.00035467	0.0098891	0.0098891	0.0098891
0.00034852	0.0098871	0.0098871	0.0098871
0.00033213	0.0098852	0.0098852	0.0098852
0.00033441	0.0098832	0.0098832	0.0098832
0.00038273	0.0098812	0.0098812	0.0098812
0.00040828	0.0098792	0.0098792	0.0098792
0.00047191	0.0098772	0.0098772	0.0098772
0.00050284	0.0098753	0.0098753	0.0098753
0.00054437	0.0098733	0.0098733	0.0098733
0.00058411	0.0098713	0.0098713	0.0098713
0.00061011	0.0098693	0.0098693	0.0098693
0.0006344	0.0098673	0.0098673	0.0098673
0.00064774	0.0098654	0.0098654	0.0098654
0.00065031	0.0098634	0.0098634	0.0098634
0.00056286	0.0098614	0.0098614	0.0098614
0.00056225	0.0098594	0.0098594	0.0098594
0.00053301	0.0098574	0.0098574	0.0098574
0.00051721	0.0098555	0.0098555	0.0098555
0.00049556	0.0098535	0.0098535	0.0098535
0.00048388	0.0098515	0.0098515	0.0098515
0.0004684	0.0098495	0.0098495	0.0098495
0.00046066	0.0098475	0.0098475	0.0098475
0.00044664	0.0098456	0.0098456	0.0098456
0.0004439	0.0098436	0.0098436	0.0098436
0.00043898	0.0098416	0.0098416	0.0098416
0.00045694	0.0098396	0.0098396	0.0098396
0.00048747	0.0098376	0.0098376	0.0098376
0.00049429	0.0098357	0.0098357	0.0098357
0.00054011	0.0098337	0.0098337	0.0098337
0.00054986	0.0098317	0.0098317	0.0098317
0.00059656	0.0098297	0.0098297	0.0098297
0.00062245	0.0098277	0.0098277	0.0098277
0.00064818	0.0098258	0.0098258	0.0098258
0.00062186	0.0098238	0.0098238	0.0098238
0.0006316	0.0098218	0.0098218	0.0098218
0.00060711	0.0098198	0.0098198	0.0098198
0.00058161	0.0098178	0.0098178	0.0098178
0.00055939	0.0098159	0.0098159	0.0098159
0.00052258	0.0098139	0.0098139	0.0098139
0.00047695	0.0098119	0.0098119	0.0098119
0.00045424	0.0098099	0.0098099	0.0098099
0.00043556	0.0098079	0.0098079	0.0098079
0.00040874	0.009806	0.009806	0.009806
0.00039317	0.009804	0.009804	0.009804
0.00039315	0.009802	0.009802	0.009802
0.00039794	0.0098	0.0098	0.0098
0.00039229	0.009798	0.009798	0.009798
0.00038967	0.0097961	0.0097961	0.0097961

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0.00039989 0.0097941 0.0097941 0.0097941