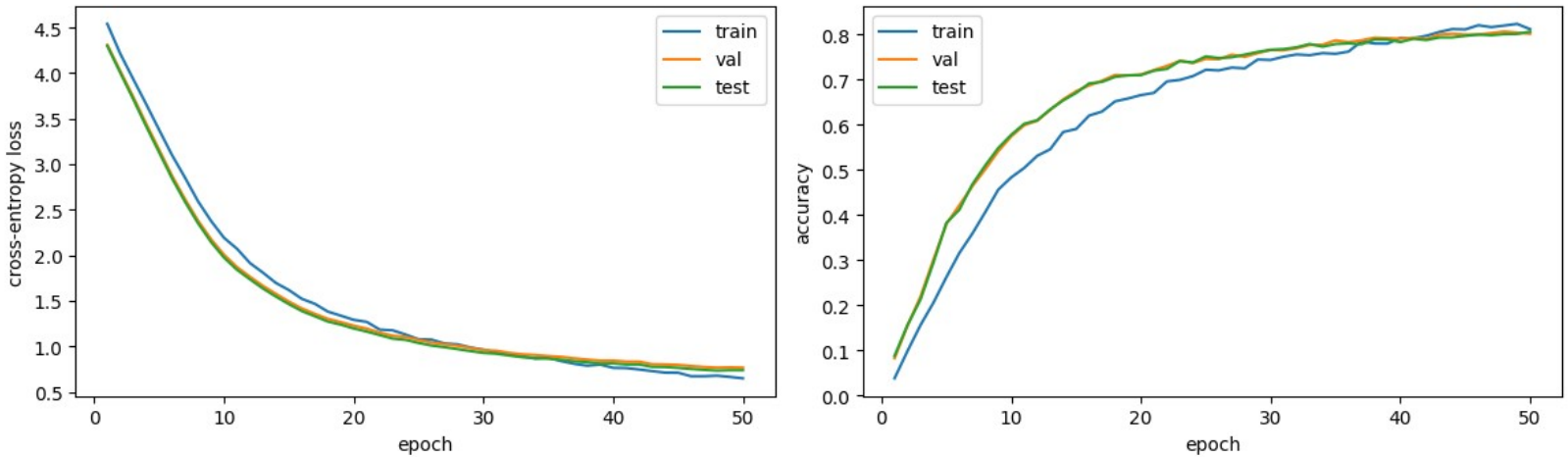


[VGG19] repeat seed=42									
epoch 01/50	train loss	4.5398	acc 0.0376	val loss	4.3094	acc 0.0821	test loss	4.2982	acc 0.0874
epoch 02/50	train loss	4.2125	acc 0.0982	val loss	4.0223	acc 0.1544	test loss	4.0034	acc 0.1558
epoch 03/50	train loss	3.9338	acc 0.1556	val loss	3.7382	acc 0.2189	test loss	3.7139	acc 0.2124
epoch 04/50	train loss	3.6581	acc 0.2054	val loss	3.4439	acc 0.3009	test loss	3.4149	acc 0.2944
epoch 05/50	train loss	3.3748	acc 0.2621	val loss	3.1571	acc 0.3801	test loss	3.1278	acc 0.3823
epoch 06/50	train loss	3.0967	acc 0.3156	val loss	2.8697	acc 0.4216	test loss	2.8416	acc 0.4116
epoch 07/50	train loss	2.8496	acc 0.3586	val loss	2.6137	acc 0.4636	test loss	2.5850	acc 0.4678
epoch 08/50	train loss	2.5911	acc 0.4064	val loss	2.3784	acc 0.5012	test loss	2.3503	acc 0.5098
epoch 09/50	train loss	2.3758	acc 0.4560	val loss	2.1757	acc 0.5413	test loss	2.1447	acc 0.5483
epoch 10/50	train loss	2.1905	acc 0.4831	val loss	2.0045	acc 0.5740	test loss	1.9733	acc 0.5776
epoch 11/50	train loss	2.0706	acc 0.5042	val loss	1.8698	acc 0.5989	test loss	1.8401	acc 0.6021
epoch 12/50	train loss	1.9138	acc 0.5310	val loss	1.7633	acc 0.6087	test loss	1.7355	acc 0.6099
epoch 13/50	train loss	1.8082	acc 0.5454	val loss	1.6628	acc 0.6326	test loss	1.6343	acc 0.6338
epoch 14/50	train loss	1.6953	acc 0.5838	val loss	1.5754	acc 0.6561	test loss	1.5455	acc 0.6538
epoch 15/50	train loss	1.6172	acc 0.5904	val loss	1.4908	acc 0.6742	test loss	1.4626	acc 0.6704
epoch 16/50	train loss	1.5207	acc 0.6202	val loss	1.4155	acc 0.6869	test loss	1.3868	acc 0.6914
epoch 17/50	train loss	1.4661	acc 0.6292	val loss	1.3558	acc 0.6976	test loss	1.3299	acc 0.6948
epoch 18/50	train loss	1.3810	acc 0.6517	val loss	1.3017	acc 0.7103	test loss	1.2715	acc 0.7061
epoch 19/50	train loss	1.3362	acc 0.6580	val loss	1.2653	acc 0.7093	test loss	1.2377	acc 0.7095
epoch 20/50	train loss	1.2903	acc 0.6656	val loss	1.2263	acc 0.7113	test loss	1.1956	acc 0.7100
epoch 21/50	train loss	1.2679	acc 0.6705	val loss	1.1940	acc 0.7211	test loss	1.1615	acc 0.7197
epoch 22/50	train loss	1.1833	acc 0.6959	val loss	1.1510	acc 0.7303	test loss	1.1231	acc 0.7236
epoch 23/50	train loss	1.1754	acc 0.6993	val loss	1.1156	acc 0.7416	test loss	1.0841	acc 0.7412
epoch 24/50	train loss	1.1285	acc 0.7076	val loss	1.1030	acc 0.7367	test loss	1.0703	acc 0.7378
epoch 25/50	train loss	1.0768	acc 0.7218	val loss	1.0690	acc 0.7460	test loss	1.0365	acc 0.7515
epoch 26/50	train loss	1.0726	acc 0.7203	val loss	1.0408	acc 0.7450	test loss	1.0082	acc 0.7476
epoch 27/50	train loss	1.0301	acc 0.7267	val loss	1.0218	acc 0.7553	test loss	0.9896	acc 0.7495
epoch 28/50	train loss	1.0211	acc 0.7250	val loss	1.0052	acc 0.7504	test loss	0.9687	acc 0.7554
epoch 29/50	train loss	0.9862	acc 0.7445	val loss	0.9813	acc 0.7587	test loss	0.9470	acc 0.7612
epoch 30/50	train loss	0.9627	acc 0.7435	val loss	0.9574	acc 0.7655	test loss	0.9272	acc 0.7661
epoch 31/50	train loss	0.9309	acc 0.7509	val loss	0.9503	acc 0.7650	test loss	0.9186	acc 0.7676
epoch 32/50	train loss	0.9075	acc 0.7557	val loss	0.9272	acc 0.7694	test loss	0.8983	acc 0.7715
epoch 33/50	train loss	0.8903	acc 0.7540	val loss	0.9120	acc 0.7767	test loss	0.8804	acc 0.7788
epoch 34/50	train loss	0.8639	acc 0.7587	val loss	0.9039	acc 0.7772	test loss	0.8715	acc 0.7729
epoch 35/50	train loss	0.8744	acc 0.7572	val loss	0.8925	acc 0.7870	test loss	0.8639	acc 0.7788
epoch 36/50	train loss	0.8369	acc 0.7621	val loss	0.8839	acc 0.7831	test loss	0.8522	acc 0.7803
epoch 37/50	train loss	0.8078	acc 0.7846	val loss	0.8674	acc 0.7870	test loss	0.8357	acc 0.7783
epoch 38/50	train loss	0.7872	acc 0.7799	val loss	0.8543	acc 0.7929	test loss	0.8261	acc 0.7891
epoch 39/50	train loss	0.7995	acc 0.7797	val loss	0.8423	acc 0.7919	test loss	0.8103	acc 0.7886
epoch 40/50	train loss	0.7634	acc 0.7924	val loss	0.8432	acc 0.7904	test loss	0.8122	acc 0.7832
epoch 41/50	train loss	0.7613	acc 0.7916	val loss	0.8316	acc 0.7929	test loss	0.8010	acc 0.7905
epoch 42/50	train loss	0.7452	acc 0.7970	val loss	0.8314	acc 0.7899	test loss	0.8008	acc 0.7876
epoch 43/50	train loss	0.7277	acc 0.8056	val loss	0.8037	acc 0.7997	test loss	0.7740	acc 0.7935
epoch 44/50	train loss	0.7109	acc 0.8119	val loss	0.8012	acc 0.8017	test loss	0.7722	acc 0.7935
epoch 45/50	train loss	0.7098	acc 0.8112	val loss	0.7962	acc 0.7997	test loss	0.7631	acc 0.7969
epoch 46/50	train loss	0.6716	acc 0.8205	val loss	0.7836	acc 0.7997	test loss	0.7516	acc 0.7998
epoch 47/50	train loss	0.6714	acc 0.8163	val loss	0.7730	acc 0.8031	test loss	0.7414	acc 0.7983
epoch 48/50	train loss	0.6775	acc 0.8197	val loss	0.7661	acc 0.8065	test loss	0.7334	acc 0.8008
epoch 49/50	train loss	0.6634	acc 0.8234	val loss	0.7693	acc 0.8041	test loss	0.7374	acc 0.8013
epoch 50/50	train loss	0.6477	acc 0.8117	val loss	0.7663	acc 0.8017	test loss	0.7372	acc 0.8062
Final test loss: 0.7372, test acc: 0.8062									

VGG19 (repeat seed=42)



example softmax top-5:
class_023: 0.9298
class_038: 0.0286
class_012: 0.0118
class_091: 0.0061
class_092: 0.0046