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1 D:\Anaconda\envs\sammed3d\python.exe D:/Desktop/3D_segmentation/3D-DRSAM/3D-DRSAM-Git/
  train_single_3D_debug.py
2 Dr-SAM init
3 --- create training dataloader ---
4 ----- train -----
5 --->>> train dataset 0 / 1 lumbar_spine_Mri <<<---
6 -im- lumbar_spine_Mri D:\Desktop\3D_segmentation\3D-DRSAM\3DDrsam_data\train\imagesTr : 160
7 -gt- lumbar_spine_Mri D:\Desktop\3D_segmentation\3D-DRSAM\3DDrsam_data\train\labelsTr : 160
8 160 train dataloaders created
9 --- create valid dataloader ---
10 ----- valid -----
11 --->>> valid dataset 0 / 1 lumbar_spine_Mri_val <<<---
12 -im- lumbar_spine_Mri_val D:\Desktop\3D_segmentation\3D-DRSAM\3DDrsam_data\val\img : 12
13 -gt- lumbar_spine_Mri_val D:\Desktop\3D_segmentation\3D-DRSAM\3DDrsam_data\val\msk : 12
14 1 valid dataloaders created
15 --- define optimizer ---
16 Loaded checkpoint from checkpoint/sam_med3d_turbo.pth
17 epoch: 0 learning rate: 1e-06
18 Epoch 0/4: 0%|          | 0/160 [00:00<?, ?it/s]masks_dr unique: tensor([-1.0798, -1.0654, -
  1.0654, ..., 1.3255, 1.3533, 1.3576],
19       grad_fn=<Unique2Backward0>)
20 masks_dr unique: tensor([-1.0798, -1.0654, -1.0654, ..., 1.3255, 1.3533, 1.3576],
21       grad_fn=<Unique2Backward0>)
22 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14., 15
  ..
23       16., 17., 18.])
24 print_dice: 0.10252571105957031, print_iou: 0.05403272435069084
25 [ 0/160] eta: 0:38:45 time: 14.5357 data: 4.3455
26 Epoch 0/4: 1%|          | 1/160 [00:14<38:31, 14.54s/it]masks_dr unique: tensor([-1.3236, -1
  .3184, -1.3103, ..., 1.2933, 1.2992, 1.3256],
27       grad_fn=<Unique2Backward0>)
28 masks_dr unique: tensor([-1.3236, -1.3184, -1.3103, ..., 1.2933, 1.2992, 1.3256],
29       grad_fn=<Unique2Backward0>)
30 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14., 15
  ..
31       16., 17.])
32 Epoch 0/4: 1%||         | 2/160 [00:24<31:11, 11.85s/it]print_dice: 0.035285238176584244,
  print_iou: 0.01795947179198265
33 masks_dr unique: tensor([-1.3262, -1.2870, -1.2759, ..., 1.3186, 1.3312, 1.3541],
34       grad_fn=<Unique2Backward0>)
35 masks_dr unique: tensor([-1.3262, -1.2870, -1.2759, ..., 1.3186, 1.3312, 1.3541],
36       grad_fn=<Unique2Backward0>)
37 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14., 15
  ..
38       16., 17.])
39 Epoch 0/4: 2%||         | 3/160 [00:34<28:57, 11.06s/it]print_dice: 0.11861059069633484,
  print_iou: 0.06304414570331573
40 masks_dr unique: tensor([-1.3148, -1.3125, -1.3067, ..., 1.3681, 1.3756, 1.3947],
41       grad_fn=<Unique2Backward0>)
42 masks_dr unique: tensor([-1.3148, -1.3125, -1.3067, ..., 1.3681, 1.3756, 1.3947],
43       grad_fn=<Unique2Backward0>)
44 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14., 15
  ..
45       16., 17.])
46 print_dice: 0.11767605692148209, print_iou: 0.06251636892557144
47 Epoch 0/4: 2%||         | 4/160 [00:44<27:34, 10.61s/it]masks_dr unique: tensor([-1.2522, -1
  .2521, -1.2450, ..., 1.0546, 1.0689, 1.0717],
48       grad_fn=<Unique2Backward0>)
49 masks_dr unique: tensor([-1.2522, -1.2521, -1.2450, ..., 1.0546, 1.0689, 1.0717],
50       grad_fn=<Unique2Backward0>)
51 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 9., 11., 12., 13., 14
  ..
52       15., 16., 17., 18.])
53 print_dice: 0.03718455508351326, print_iou: 0.018944500014185905
54 Epoch 0/4: 3%||         | 5/160 [00:54<26:50, 10.39s/it]masks_dr unique: tensor([-1.2211, -1
  .1805, -1.1805, ..., 1.2786, 1.2883, 1.3138],
55       grad_fn=<Unique2Backward0>)
56 masks_dr unique: tensor([-1.2211, -1.1805, -1.1805, ..., 1.2786, 1.2883, 1.3138],
57       grad_fn=<Unique2Backward0>)

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58 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 9., 11., 12., 13.,
59    14.,
60    15., 16., 17., 18.])
60 Epoch 0/4: 4%|█          | 6/160 [01:04<26:25, 10.29s/it]print_dice: 0.11712341755628586,
    print_iou: 0.062204509973526
61 masks_dr unique: tensor([-1.3959, -1.3921, -1.3798, ..., 1.3498, 1.3588, 1.3843],
62    grad_fn=<Unique2Backward0>)
63 masks_dr unique: tensor([-1.3959, -1.3921, -1.3798, ..., 1.3498, 1.3588, 1.3843],
64    grad_fn=<Unique2Backward0>)
65 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
66    15.,
67    16., 17., 18.])
67 print_dice: 0.11032254248857498, print_iou: 0.05838168039917946
68 Epoch 0/4: 4%|█          | 7/160 [01:15<26:24, 10.36s/it]masks_dr unique: tensor([-1.2212, -
69    1.1836, -1.1825, ..., 1.3502, 1.3651, 1.3651],
70    grad_fn=<Unique2Backward0>)
70 masks_dr unique: tensor([-1.2212, -1.1836, -1.1825, ..., 1.3502, 1.3651, 1.3651],
71    grad_fn=<Unique2Backward0>)
72 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 9., 10., 11., 12.,
73    13.,
74    14., 15., 16., 17., 18., 19.])
74 print_dice: 0.15201586484909058, print_iou: 0.0822603777050972
75 Epoch 0/4: 5%|█          | 8/160 [01:25<26:13, 10.35s/it]masks_dr unique: tensor([-1.8087, -
76    1.8072, -1.7896, ..., 1.1454, 1.1589, 1.1769],
77    grad_fn=<Unique2Backward0>)
77 masks_dr unique: tensor([-1.8087, -1.8072, -1.7896, ..., 1.1454, 1.1589, 1.1769],
78    grad_fn=<Unique2Backward0>)
79 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
80    15.,
81    16., 17.])
81 print_dice: 0.0617605522274971, print_iou: 0.03186425194144249
82 Epoch 0/4: 6%|█          | 9/160 [01:36<26:31, 10.54s/it]masks_dr unique: tensor([-1.3534, -
83    1.3378, -1.3347, ..., 1.2679, 1.2679, 1.2889],
84    grad_fn=<Unique2Backward0>)
84 masks_dr unique: tensor([-1.3534, -1.3378, -1.3347, ..., 1.2679, 1.2679, 1.2889],
85    grad_fn=<Unique2Backward0>)
86 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
87    15.,
88    16., 17., 18.])
88 print_dice: 0.11472416669130325, print_iou: 0.06085272133350372
89 Epoch 0/4: 6%|█          | 10/160 [01:46<26:10, 10.47s/it]masks_dr unique: tensor([-1.4143
90    , -1.4085, -1.3925, ..., 0.9939, 0.9947, 1.0136],
91    grad_fn=<Unique2Backward0>)
91 masks_dr unique: tensor([-1.4143, -1.4085, -1.3925, ..., 0.9939, 0.9947, 1.0136],
92    grad_fn=<Unique2Backward0>)
93 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
94    15.,
95    16., 17.])
95 print_dice: 0.07286141067743301, print_iou: 0.03780807927250862
96 Epoch 0/4: 7%|█          | 11/160 [01:56<25:15, 10.17s/it]masks_dr unique: tensor([-1.3024
97    , -1.2766, -1.2590, ..., 1.3035, 1.3065, 1.3071],
98    grad_fn=<Unique2Backward0>)
98 masks_dr unique: tensor([-1.3024, -1.2766, -1.2590, ..., 1.3035, 1.3065, 1.3071],
99    grad_fn=<Unique2Backward0>)
100 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 11., 12., 13., 14., 15.,
101    16.])
101 print_dice: 0.14892040193080902, print_iou: 0.08045056462287903
102 Epoch 0/4: 8%|█          | 12/160 [02:05<24:38, 9.99s/it]masks_dr unique: tensor([-1.4126
103    , -1.4090, -1.3910, ..., 0.9892, 1.0065, 1.0081],
104    grad_fn=<Unique2Backward0>)
104 masks_dr unique: tensor([-1.4126, -1.4090, -1.3910, ..., 0.9892, 1.0065, 1.0081],
105    grad_fn=<Unique2Backward0>)
106 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
107    15.,
108    16., 17.])
108 Epoch 0/4: 8%|█          | 13/160 [02:15<24:05, 9.83s/it]print_dice: 0.08663833141326904
    , print_iou: 0.045280687510967255
109 masks_dr unique: tensor([-1.7370, -1.7264, -1.7224, ..., 1.2365, 1.2518, 1.2724],
110    grad_fn=<Unique2Backward0>)

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111 masks_dr unique: tensor([-1.7370, -1.7264, -1.7224, ..., 1.2365, 1.2518, 1.2724],
112      grad_fn=<Unique2Backward0>)
113 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
114      15., 16., 17.])
115 print_dice: 0.11347567290067673, print_iou: 0.06015065312385559
116 Epoch 0/4: 9%|█          | 14/160 [02:24<23:37, 9.71s/it]masks_dr unique: tensor([-1.4184
117      , -1.3829, -1.3801, ..., 1.4295, 1.4387, 1.4428],
118      grad_fn=<Unique2Backward0>)
119 masks_dr unique: tensor([-1.4184, -1.3829, -1.3801, ..., 1.4295, 1.4387, 1.4428],
120      grad_fn=<Unique2Backward0>)
121 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
122      15., 16., 17.])
123 print_dice: 0.17947319149971008, print_iou: 0.09858310967683792
124 Epoch 0/4: 9%|█          | 15/160 [02:34<23:25, 9.69s/it]masks_dr unique: tensor([-1.4582
125      , -1.4236, -1.4107, ..., 1.3171, 1.3211, 1.3299],
126      grad_fn=<Unique2Backward0>)
127 masks_dr unique: tensor([-1.4582, -1.4236, -1.4107, ..., 1.3171, 1.3211, 1.3299],
128      grad_fn=<Unique2Backward0>)
129 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 9., 11., 12., 13.,
130      14., 15., 16., 17., 18., 19.])
131 Epoch 0/4: 10%|█         | 16/160 [02:43<23:06, 9.63s/it]print_dice: 0.1516333520412445,
132      print_iou: 0.08203640580177307
133 masks_dr unique: tensor([-1.5263, -1.4927, -1.4793, ..., 1.2441, 1.2560, 1.2689],
134      grad_fn=<Unique2Backward0>)
135 masks_dr unique: tensor([-1.5263, -1.4927, -1.4793, ..., 1.2441, 1.2560, 1.2689],
136      grad_fn=<Unique2Backward0>)
137 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 9., 11., 12., 13.,
138      14., 15., 16., 17., 18.])
139 Epoch 0/4: 11%|█         | 17/160 [02:53<22:45, 9.55s/it]print_dice: 0.14105714857578278
140      , print_iou: 0.07588030397891998
141 masks_dr unique: tensor([-1.3904, -1.3904, -1.3692, ..., 1.1819, 1.1824, 1.1984],
142      grad_fn=<Unique2Backward0>)
143 masks_dr unique: tensor([-1.3904, -1.3904, -1.3692, ..., 1.1819, 1.1824, 1.1984],
144      grad_fn=<Unique2Backward0>)
145 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
146      15., 16., 17.])
147 Epoch 0/4: 11%|█         | 18/160 [03:02<22:35, 9.54s/it]print_dice: 0.0952007994055748,
148      print_iou: 0.04997944086790085
149 masks_dr unique: tensor([-1.3165, -1.2809, -1.2805, ..., 1.4741, 1.4775, 1.4878],
150      grad_fn=<Unique2Backward0>)
151 masks_dr unique: tensor([-1.3165, -1.2809, -1.2805, ..., 1.4741, 1.4775, 1.4878],
152      grad_fn=<Unique2Backward0>)
153 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
154      15., 16., 17., 18.])
155 print_dice: 0.20127908885478973, print_iou: 0.11190123856067657
156 Epoch 0/4: 12%|█         | 19/160 [03:12<22:17, 9.49s/it]masks_dr unique: tensor([-1.3851
157      , -1.3844, -1.3639, ..., 1.3312, 1.3326, 1.3512],
158      grad_fn=<Unique2Backward0>)
159 masks_dr unique: tensor([-1.3851, -1.3844, -1.3639, ..., 1.3312, 1.3326, 1.3512],
160      grad_fn=<Unique2Backward0>)
161 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
162      15., 16., 17.])
163 Epoch 0/4: 12%|█         | 20/160 [03:21<22:12, 9.52s/it]print_dice: 0.10717863589525223
164      , print_iou: 0.05662374570965767
165 masks_dr unique: tensor([-1.3860, -1.3842, -1.3648, ..., 1.3807, 1.3822, 1.4019],
166      grad_fn=<Unique2Backward0>)
167 masks_dr unique: tensor([-1.3860, -1.3842, -1.3648, ..., 1.3807, 1.3822, 1.4019],
168      grad_fn=<Unique2Backward0>)
169 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
170      15., 16., 17.])
171 print_dice: 0.0933697447180748, print_iou: 0.04897107928991318

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165 Epoch 0/4: 13%|██          | 21/160 [03:31<22:10, 9.57s/it]masks_dr unique: tensor([-1.3684
    , -1.3681, -1.3470, ..., 1.4188, 1.4204, 1.4411],
166     grad_fn=<Unique2Backward0>)
167 masks_dr unique: tensor([-1.3684, -1.3681, -1.3470, ..., 1.4188, 1.4204, 1.4411],
168     grad_fn=<Unique2Backward0>)
169 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 11., 12., 13., 14., 15., 16.])
170 print_dice: 0.1074553057551384, print_iou: 0.056778211146593094
171 Epoch 0/4: 14%|██          | 22/160 [03:40<21:57, 9.55s/it]masks_dr unique: tensor([-1.5697
    , -1.5438, -1.5436, ..., 1.6920, 1.7054, 1.7308],
172     grad_fn=<Unique2Backward0>)
173 masks_dr unique: tensor([-1.5697, -1.5438, -1.5436, ..., 1.6920, 1.7054, 1.7308],
174     grad_fn=<Unique2Backward0>)
175 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 11., 12., 13., 14., 15.,
    16.,
176     17.])
177 Epoch 0/4: 14%|██          | 23/160 [03:50<21:48, 9.55s/it]print_dice: 0.14709484577178955
    , print_iou: 0.07938606292009354
178 masks_dr unique: tensor([-1.7997, -1.7944, -1.7927, ..., 1.5776, 1.6001, 1.6095],
179     grad_fn=<Unique2Backward0>)
180 masks_dr unique: tensor([-1.7997, -1.7944, -1.7927, ..., 1.5776, 1.6001, 1.6095],
181     grad_fn=<Unique2Backward0>)
182 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 9., 11., 12., 13.,
    14.,
183     15., 16., 17., 18.])
184 print_dice: 0.1690315455198288, print_iou: 0.0923181027173996
185 Epoch 0/4: 15%|██          | 24/160 [03:59<21:29, 9.48s/it]masks_dr unique: tensor([-1.3499
    , -1.3264, -1.3031, ..., 1.8458, 1.8475, 1.8679],
186     grad_fn=<Unique2Backward0>)
187 masks_dr unique: tensor([-1.3499, -1.3264, -1.3031, ..., 1.8458, 1.8475, 1.8679],
188     grad_fn=<Unique2Backward0>)
189 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 9., 11., 12., 13.,
    14.,
190     15., 16., 17., 18., 19.])
191 print_dice: 0.17356793582439423, print_iou: 0.09503114968538284
192 Epoch 0/4: 16%|██          | 25/160 [04:09<21:21, 9.49s/it]masks_dr unique: tensor([-1.3465
    , -1.3418, -1.3398, ..., 1.4834, 1.4847, 1.5074],
193     grad_fn=<Unique2Backward0>)
194 masks_dr unique: tensor([-1.3465, -1.3418, -1.3398, ..., 1.4834, 1.4847, 1.5074],
195     grad_fn=<Unique2Backward0>)
196 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 9., 10., 11., 12.,
    13.,
197     14., 15., 16., 17., 18., 19.])
198 print_dice: 0.12080273032188416, print_iou: 0.06428422033786774
199 Epoch 0/4: 16%|██          | 26/160 [04:18<21:14, 9.51s/it]masks_dr unique: tensor([-1.5793
    , -1.5479, -1.5331, ..., 1.6157, 1.6341, 1.6475],
200     grad_fn=<Unique2Backward0>)
201 masks_dr unique: tensor([-1.5793, -1.5479, -1.5331, ..., 1.6157, 1.6341, 1.6475],
202     grad_fn=<Unique2Backward0>)
203 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
    15.,
204     16., 17.])
205 print_dice: 0.18931137025356293, print_iou: 0.10455214232206345
206 Epoch 0/4: 17%|██          | 27/160 [04:29<21:52, 9.87s/it]masks_dr unique: tensor([-1.3619
    , -1.3570, -1.3416, ..., 1.4989, 1.5007, 1.5234],
207     grad_fn=<Unique2Backward0>)
208 masks_dr unique: tensor([-1.3619, -1.3570, -1.3416, ..., 1.4989, 1.5007, 1.5234],
209     grad_fn=<Unique2Backward0>)
210 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
    15.,
211     16., 17.])
212 print_dice: 0.15041770040988922, print_iou: 0.0813252255320549
213 Epoch 0/4: 18%|██          | 28/160 [04:38<21:24, 9.73s/it]masks_dr unique: tensor([-1.6060
    , -1.5714, -1.5648, ..., 1.7930, 1.8064, 1.8267],
214     grad_fn=<Unique2Backward0>)
215 masks_dr unique: tensor([-1.6060, -1.5714, -1.5648, ..., 1.7930, 1.8064, 1.8267],
216     grad_fn=<Unique2Backward0>)
217 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 9., 11., 12., 13.,
    14.,
218     15., 16., 17., 18.])

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219 Epoch 0/4: 18%|███          | 29/160 [04:48<21:05, 9.66s/it]print_dice: 0.2311544120311737,
    print_iou: 0.13068093359470367
220 masks_dr unique: tensor([-1.6183, -1.5824, -1.5781, ..., 1.8606, 1.8830, 1.8959],
221      grad_fn=<Unique2Backward0>)
222 masks_dr unique: tensor([-1.6183, -1.5824, -1.5781, ..., 1.8606, 1.8830, 1.8959],
223      grad_fn=<Unique2Backward0>)
224 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
    15.,
225      16., 17.])
226 Epoch 0/4: 19%|███          | 30/160 [04:57<20:49, 9.61s/it]print_dice: 0.24265249073505402
    , print_iou: 0.13807882368564606
227 masks_dr unique: tensor([-1.3975, -1.3975, -1.3975, ..., 1.4939, 1.4955, 1.5183],
228      grad_fn=<Unique2Backward0>)
229 masks_dr unique: tensor([-1.3975, -1.3975, -1.3975, ..., 1.4939, 1.4955, 1.5183],
230      grad_fn=<Unique2Backward0>)
231 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
    15.,
232      16., 17.])
233 print_dice: 0.14116986095905304, print_iou: 0.07594554126262665
234 Epoch 0/4: 19%|███          | 31/160 [05:07<20:44, 9.65s/it]masks_dr unique: tensor([-1.4987
    , -1.4765, -1.4553, ..., 1.7853, 1.7897, 1.8098],
235      grad_fn=<Unique2Backward0>)
236 masks_dr unique: tensor([-1.4987, -1.4765, -1.4553, ..., 1.7853, 1.7897, 1.8098],
237      grad_fn=<Unique2Backward0>)
238 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
    15.,
239      16., 17.])
240 Epoch 0/4: 20%|███          | 32/160 [05:17<20:35, 9.65s/it]print_dice: 0.2025836855173111,
    print_iou: 0.11270827054977417
241 masks_dr unique: tensor([-1.5375, -1.5027, -1.4971, ..., 2.0872, 2.1014, 2.1192],
242      grad_fn=<Unique2Backward0>)
243 masks_dr unique: tensor([-1.5375, -1.5027, -1.4971, ..., 2.0872, 2.1014, 2.1192],
244      grad_fn=<Unique2Backward0>)
245 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 9., 11., 12., 13.,
    14.,
246      15., 16., 17., 18.])
247 Epoch 0/4: 21%|███          | 33/160 [05:27<20:36, 9.74s/it]print_dice: 0.26847830414772034
    , print_iou: 0.15505339205265045
248 masks_dr unique: tensor([-1.4879, -1.4532, -1.4516, ..., 1.9345, 1.9558, 1.9721],
249      grad_fn=<Unique2Backward0>)
250 masks_dr unique: tensor([-1.4879, -1.4532, -1.4516, ..., 1.9345, 1.9558, 1.9721],
251      grad_fn=<Unique2Backward0>)
252 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 9., 10., 11., 12.,
    13.,
253      14., 15., 16., 17., 18., 19.])
254 Epoch 0/4: 21%|███          | 34/160 [05:36<20:17, 9.67s/it]print_dice: 0.22975535690784454
    , print_iou: 0.1297873556613922
255 masks_dr unique: tensor([-1.4937, -1.4728, -1.4641, ..., 2.0234, 2.0467, 2.0607],
256      grad_fn=<Unique2Backward0>)
257 masks_dr unique: tensor([-1.4937, -1.4728, -1.4641, ..., 2.0234, 2.0467, 2.0607],
258      grad_fn=<Unique2Backward0>)
259 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 9., 11., 12., 13.,
    14.,
260      15., 16., 17.])
261 Epoch 0/4: 22%|███          | 35/160 [05:46<20:01, 9.61s/it]print_dice: 0.225862056016922,
    print_iou: 0.12730805575847626
262 masks_dr unique: tensor([-1.4296, -1.4296, -1.4237, ..., 1.5778, 1.5792, 1.6033],
263      grad_fn=<Unique2Backward0>)
264 masks_dr unique: tensor([-1.4296, -1.4296, -1.4237, ..., 1.5778, 1.5792, 1.6033],
265      grad_fn=<Unique2Backward0>)
266 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
    15.,
267      16., 17.])
268 print_dice: 0.15156003832817078, print_iou: 0.08199349045753479
269 Epoch 0/4: 22%|███          | 36/160 [05:55<19:51, 9.61s/it]masks_dr unique: tensor([-1.4330
    , -1.4330, -1.4271, ..., 1.5942, 1.5958, 1.6198],
270      grad_fn=<Unique2Backward0>)
271 masks_dr unique: tensor([-1.4330, -1.4330, -1.4271, ..., 1.5942, 1.5958, 1.6198],
272      grad_fn=<Unique2Backward0>)

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273 labels_ori unique: tensor([ 0.,  1.,  2.,  3.,  4.,  5.,  6.,  7.,  8., 11., 12., 13., 14.,
15.,
274      16., 17., 18.])
275 Epoch 0/4: 23%|██████| 37/160 [06:05<19:36, 9.57s/it]print_dice: 0.13868606090545654
, print_iou: 0.07450976967811584
276 masks_dr unique: tensor([-1.7470, -1.7163, -1.7010, ..., 1.9330, 1.9369, 1.9573],
277      grad_fn=<Unique2Backward0>)
278 masks_dr unique: tensor([-1.7470, -1.7163, -1.7010, ..., 1.9330, 1.9369, 1.9573],
279      grad_fn=<Unique2Backward0>)
280 labels_ori unique: tensor([ 0.,  1.,  2.,  3.,  4.,  5.,  6.,  7.,  8., 11., 12., 13., 14.,
15.,
281      16., 17., 18.])
282 print_dice: 0.26193967461586, print_iou: 0.15070804953575134
283 Epoch 0/4: 24%|██████| 38/160 [06:14<19:26, 9.57s/it]masks_dr unique: tensor([-1.4338
, -1.4338, -1.4280, ..., 1.6239, 1.6468, 1.6495],
284      grad_fn=<Unique2Backward0>)
285 masks_dr unique: tensor([-1.4338, -1.4338, -1.4280, ..., 1.6239, 1.6468, 1.6495],
286      grad_fn=<Unique2Backward0>)
287 labels_ori unique: tensor([ 0.,  1.,  2.,  3.,  4.,  5.,  6.,  7.,  8., 11., 12., 13., 14.,
15.,
288      16., 17.])
289 print_dice: 0.16437551379203796, print_iou: 0.08954746276140213
290 Epoch 0/4: 24%|██████| 39/160 [06:24<19:13, 9.53s/it]masks_dr unique: tensor([-1.4669
, -1.4598, -1.4400, ..., 2.2338, 2.2576, 2.2747],
291      grad_fn=<Unique2Backward0>)
292 masks_dr unique: tensor([-1.4669, -1.4598, -1.4400, ..., 2.2338, 2.2576, 2.2747],
293      grad_fn=<Unique2Backward0>)
294 labels_ori unique: tensor([ 0.,  1.,  2.,  3.,  4.,  5.,  6.,  7.,  8.,  9., 11., 12., 13.,
14.,
295      15., 16., 17., 18.])
296 Epoch 0/4: 25%|██████| 40/160 [06:33<19:03, 9.53s/it]print_dice: 0.27578482031822205
, print_iou: 0.15994803607463837
297 masks_dr unique: tensor([-1.7108, -1.7008, -1.6950, ..., 2.0600, 2.0862, 2.1031],
298      grad_fn=<Unique2Backward0>)
299 masks_dr unique: tensor([-1.7108, -1.7008, -1.6950, ..., 2.0600, 2.0862, 2.1031],
300      grad_fn=<Unique2Backward0>)
301 labels_ori unique: tensor([ 0.,  1.,  2.,  3.,  4.,  5.,  6.,  7.,  8., 11., 12., 13., 14.,
15.,
302      16., 17., 18.])
303 print_dice: 0.23771676421165466, print_iou: 0.1348913460969925
304 Epoch 0/4: 26%|██████| 41/160 [06:43<19:05, 9.62s/it]masks_dr unique: tensor([-1.4305
, -1.4248, -1.4091, ..., 1.7503, 1.7630, 1.7907],
305      grad_fn=<Unique2Backward0>)
306 masks_dr unique: tensor([-1.4305, -1.4248, -1.4091, ..., 1.7503, 1.7630, 1.7907],
307      grad_fn=<Unique2Backward0>)
308 labels_ori unique: tensor([ 0.,  1.,  2.,  3.,  4.,  5.,  6.,  7.,  8., 11., 12., 13., 14.,
15.,
309      16., 17.])
310 Epoch 0/4: 26%|██████| 42/160 [06:53<19:03, 9.69s/it]print_dice: 0.1891101598739624,
print_iou: 0.10442941635847092
311 masks_dr unique: tensor([-1.6527, -1.6280, -1.6151, ..., 2.1098, 2.1372, 2.1487],
312      grad_fn=<Unique2Backward0>)
313 masks_dr unique: tensor([-1.6527, -1.6280, -1.6151, ..., 2.1098, 2.1372, 2.1487],
314      grad_fn=<Unique2Backward0>)
315 labels_ori unique: tensor([ 0.,  1.,  2.,  3.,  4.,  5.,  6.,  7.,  8., 11., 12., 13., 14.,
15.,
316      16., 17.])
317 Epoch 0/4: 27%|██████| 43/160 [07:03<18:47, 9.64s/it]print_dice: 0.2471040040254593,
print_iou: 0.14096900820732117
318 masks_dr unique: tensor([-1.5583, -1.5352, -1.5167, ..., 2.1448, 2.1630, 2.1882],
319      grad_fn=<Unique2Backward0>)
320 masks_dr unique: tensor([-1.5583, -1.5352, -1.5167, ..., 2.1448, 2.1630, 2.1882],
321      grad_fn=<Unique2Backward0>)
322 labels_ori unique: tensor([ 0.,  1.,  2.,  3.,  4.,  5.,  6.,  7.,  8., 11., 12., 13., 14.,
15.,
323      16., 17.])
324 Epoch 0/4: 28%|██████| 44/160 [07:12<18:45, 9.70s/it]print_dice: 0.22701063752174377
, print_iou: 0.12803834676742554
325 masks_dr unique: tensor([-1.4424, -1.4365, -1.4205, ..., 1.8304, 1.8442, 1.8729],

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326         grad_fn=<Unique2Backward0>)
327 masks_dr unique: tensor([-1.4424, -1.4365, -1.4205, ..., 1.8304, 1.8442, 1.8729],
328         grad_fn=<Unique2Backward0>)
329 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
15.,
330         16., 17., 18.])
331 print_dice: 0.1859428733587265, print_iou: 0.10250110924243927
332 Epoch 0/4: 28%|██████| 45/160 [07:23<18:59, 9.91s/it]masks_dr unique: tensor([-1.5355
, -1.5186, -1.4883, ..., 2.2771, 2.2981, 2.3000],
333         grad_fn=<Unique2Backward0>)
334 masks_dr unique: tensor([-1.5355, -1.5186, -1.4883, ..., 2.2771, 2.2981, 2.3000],
335         grad_fn=<Unique2Backward0>)
336 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 9., 10., 11., 12.,
13.,
337         14., 15., 16., 17., 18., 19.])
338 print_dice: 0.27883654832839966, print_iou: 0.16200467944145203
339 Epoch 0/4: 29%|██████| 46/160 [07:34<19:49, 10.43s/it]masks_dr unique: tensor([-1.6186
, -1.6168, -1.6012, ..., 2.4190, 2.4518, 2.4754],
340         grad_fn=<Unique2Backward0>)
341 masks_dr unique: tensor([-1.6186, -1.6168, -1.6012, ..., 2.4190, 2.4518, 2.4754],
342         grad_fn=<Unique2Backward0>)
343 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
15.,
344         16., 17., 18.])
345 Epoch 0/4: 29%|██████| 47/160 [07:46<20:03, 10.65s/it]print_dice: 0.28184986114501953
, print_iou: 0.1640426367521286
346 masks_dr unique: tensor([-1.4786, -1.4721, -1.4554, ..., 1.8494, 1.8658, 1.8937],
347         grad_fn=<Unique2Backward0>)
348 masks_dr unique: tensor([-1.4786, -1.4721, -1.4554, ..., 1.8494, 1.8658, 1.8937],
349         grad_fn=<Unique2Backward0>)
350 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
15.,
351         16., 17.])
352 print_dice: 0.1944049447774887, print_iou: 0.10766807198524475
353 Epoch 0/4: 30%|██████| 48/160 [07:56<19:47, 10.60s/it]masks_dr unique: tensor([-1.4492
, -1.4222, -1.4096, ..., 2.3856, 2.4092, 2.4241],
354         grad_fn=<Unique2Backward0>)
355 masks_dr unique: tensor([-1.4492, -1.4222, -1.4096, ..., 2.3856, 2.4092, 2.4241],
356         grad_fn=<Unique2Backward0>)
357 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
15.,
358         16., 17.])
359 print_dice: 0.3108363449573517, print_iou: 0.18401791155338287
360 Epoch 0/4: 31%|██████| 49/160 [08:06<19:23, 10.48s/it]masks_dr unique: tensor([-1.5083
, -1.5083, -1.5083, ..., 1.8454, 1.8639, 1.8917],
361         grad_fn=<Unique2Backward0>)
362 masks_dr unique: tensor([-1.5083, -1.5083, -1.5083, ..., 1.8454, 1.8639, 1.8917],
363         grad_fn=<Unique2Backward0>)
364 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
15.,
365         16., 17.])
366 Epoch 0/4: 31%|██████| 50/160 [08:17<19:09, 10.45s/it]print_dice: 0.20261256396770477
, print_iou: 0.11272614449262619
367 masks_dr unique: tensor([-1.5258, -1.5187, -1.5020, ..., 1.8394, 1.8582, 1.8857],
368         grad_fn=<Unique2Backward0>)
369 masks_dr unique: tensor([-1.5258, -1.5187, -1.5020, ..., 1.8394, 1.8582, 1.8857],
370         grad_fn=<Unique2Backward0>)
371 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
15.,
372         16., 17.])
373 Epoch 0/4: 32%|██████| 51/160 [08:27<18:46, 10.34s/it]print_dice: 0.20445752143859863
, print_iou: 0.11386949568986893
374 masks_dr unique: tensor([-1.5428, -1.5354, -1.5188, ..., 1.8295, 1.8479, 1.8754],
375         grad_fn=<Unique2Backward0>)
376 masks_dr unique: tensor([-1.5428, -1.5354, -1.5188, ..., 1.8295, 1.8479, 1.8754],
377         grad_fn=<Unique2Backward0>)
378 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
15.,
379         16., 17.])

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380 print_dice: 0.2215847671031952, print_iou: 0.12459675222635269
381 Epoch 0/4: 32%|██████| 52/160 [08:36<18:16, 10.16s/it]masks_dr unique: tensor([-1.5521
, -1.5393, -1.5186, ..., 2.2517, 2.2782, 2.3024],
382 grad_fn=<Unique2Backward0>)
383 masks_dr unique: tensor([-1.5521, -1.5393, -1.5186, ..., 2.2517, 2.2782, 2.3024],
384 grad_fn=<Unique2Backward0>)
385 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
15.,
386 16., 17., 18.])
387 Epoch 0/4: 33%|██████| 53/160 [08:46<17:53, 10.03s/it]print_dice: 0.2908254563808441,
print_iou: 0.17015551030635834
388 masks_dr unique: tensor([-1.5751, -1.5675, -1.5504, ..., 1.8323, 1.8543, 1.8817],
389 grad_fn=<Unique2Backward0>)
390 masks_dr unique: tensor([-1.5751, -1.5675, -1.5504, ..., 1.8323, 1.8543, 1.8817],
391 grad_fn=<Unique2Backward0>)
392 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
15.,
393 16., 17.])
394 Epoch 0/4: 34%|██████| 54/160 [08:56<17:36, 9.97s/it]print_dice: 0.2163163274526596,
print_iou: 0.12127505242824554
395 masks_dr unique: tensor([-1.4688, -1.4633, -1.4567, ..., 2.0752, 2.0953, 2.1059],
396 grad_fn=<Unique2Backward0>)
397 masks_dr unique: tensor([-1.4688, -1.4633, -1.4567, ..., 2.0752, 2.0953, 2.1059],
398 grad_fn=<Unique2Backward0>)
399 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
15.,
400 16., 17., 18.])
401 print_dice: 0.2680595815181732, print_iou: 0.15477412939071655
402 Epoch 0/4: 34%|██████| 55/160 [09:06<17:12, 9.83s/it]masks_dr unique: tensor([-1.5933
, -1.5619, -1.5538, ..., 2.1613, 2.1639, 2.1695],
403 grad_fn=<Unique2Backward0>)
404 masks_dr unique: tensor([-1.5933, -1.5619, -1.5538, ..., 2.1613, 2.1639, 2.1695],
405 grad_fn=<Unique2Backward0>)
406 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 9., 11., 12., 13.,
14.,
407 15., 16., 17., 18., 19.])
408 print_dice: 0.27384936809539795, print_iou: 0.15864743292331696
409 Epoch 0/4: 35%|██████| 56/160 [09:15<16:56, 9.77s/it]masks_dr unique: tensor([-1.5342
, -1.5230, -1.5225, ..., 2.1479, 2.1601, 2.1783],
410 grad_fn=<Unique2Backward0>)
411 masks_dr unique: tensor([-1.5342, -1.5230, -1.5225, ..., 2.1479, 2.1601, 2.1783],
412 grad_fn=<Unique2Backward0>)
413 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
15.,
414 16., 17., 18.])
415 print_dice: 0.261418879032135, print_iou: 0.15036335587501526
416 Epoch 0/4: 36%|██████| 57/160 [09:25<16:42, 9.73s/it]masks_dr unique: tensor([-1.6387
, -1.6387, -1.6387, ..., 1.8133, 1.8342, 1.8619],
417 grad_fn=<Unique2Backward0>)
418 masks_dr unique: tensor([-1.6387, -1.6387, -1.6387, ..., 1.8133, 1.8342, 1.8619],
419 grad_fn=<Unique2Backward0>)
420 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 9., 11., 12., 13.,
14.,
421 15., 16., 17., 18.])
422 print_dice: 0.21370720863342285, print_iou: 0.11963727325201035
423 Epoch 0/4: 36%|██████| 58/160 [09:35<16:35, 9.76s/it]masks_dr unique: tensor([-1.6019
, -1.5774, -1.5729, ..., 2.1374, 2.1408, 2.1459],
424 grad_fn=<Unique2Backward0>)
425 masks_dr unique: tensor([-1.6019, -1.5774, -1.5729, ..., 2.1374, 2.1408, 2.1459],
426 grad_fn=<Unique2Backward0>)
427 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
15.,
428 16., 17.])
429 Epoch 0/4: 37%|██████| 59/160 [09:44<16:17, 9.67s/it]print_dice: 0.28177621960639954
, print_iou: 0.1639927327632904
430 masks_dr unique: tensor([-1.6623, -1.6542, -1.6362, ..., 1.8218, 1.8425, 1.8702],
431 grad_fn=<Unique2Backward0>)
432 masks_dr unique: tensor([-1.6623, -1.6542, -1.6362, ..., 1.8218, 1.8425, 1.8702],
433 grad_fn=<Unique2Backward0>)

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434 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 9., 11., 12., 13.,
14.,
435     15., 16., 17., 18.])
436 print_dice: 0.22170905768871307, print_iou: 0.12467535585165024
437 Epoch 0/4: 38%|██████| 60/160 [09:54<16:09, 9.69s/it]masks_dr unique: tensor([-1.5577
, -1.5510, -1.5510, ..., 2.2788, 2.2934, 2.3176],
438     grad_fn=<Unique2Backward0>)
439 masks_dr unique: tensor([-1.5577, -1.5510, -1.5510, ..., 2.2788, 2.2934, 2.3176],
440     grad_fn=<Unique2Backward0>)
441 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
15.,
442     16., 17.])
443 print_dice: 0.29843074083328247, print_iou: 0.17538559436798096
444 Epoch 0/4: 38%|██████| 61/160 [10:03<15:55, 9.65s/it]masks_dr unique: tensor([-1.5256
, -1.5199, -1.5043, ..., 2.2599, 2.2702, 2.2820],
445     grad_fn=<Unique2Backward0>)
446 masks_dr unique: tensor([-1.5256, -1.5199, -1.5043, ..., 2.2599, 2.2702, 2.2820],
447     grad_fn=<Unique2Backward0>)
448 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 9., 11., 12., 13.,
14.,
449     15., 16., 17.])
450 print_dice: 0.3333055078983307, print_iou: 0.1999799609184265
451 Epoch 0/4: 39%|██████| 62/160 [10:13<15:43, 9.63s/it]masks_dr unique: tensor([-1.7090
, -1.7006, -1.6819, ..., 1.8223, 1.8416, 1.8706],
452     grad_fn=<Unique2Backward0>)
453 masks_dr unique: tensor([-1.7090, -1.7006, -1.6819, ..., 1.8223, 1.8416, 1.8706],
454     grad_fn=<Unique2Backward0>)
455 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 9., 11., 12., 13.,
14.,
456     15., 16., 17., 18.])
457 Epoch 0/4: 39%|██████| 63/160 [10:24<16:11, 10.01s/it]print_dice: 0.23931440711021423
, print_iou: 0.1359211504459381
458 masks_dr unique: tensor([-1.7664, -1.7487, -1.7351, ..., 2.2222, 2.2415, 2.2706],
459     grad_fn=<Unique2Backward0>)
460 masks_dr unique: tensor([-1.7664, -1.7487, -1.7351, ..., 2.2222, 2.2415, 2.2706],
461     grad_fn=<Unique2Backward0>)
462 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 11., 12., 13., 14., 15.,
16.])
463 Epoch 0/4: 40%|██████| 64/160 [10:34<15:49, 9.90s/it]print_dice: 0.240569069981575,
print_iou: 0.13673117756843567
464 masks_dr unique: tensor([-1.5981, -1.5787, -1.5787, ..., 2.1741, 2.1747, 2.1966],
465     grad_fn=<Unique2Backward0>)
466 masks_dr unique: tensor([-1.5981, -1.5787, -1.5787, ..., 2.1741, 2.1747, 2.1966],
467     grad_fn=<Unique2Backward0>)
468 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
15.,
469     16., 17., 18.])
470 Epoch 0/4: 41%|██████| 65/160 [10:43<15:29, 9.78s/it]print_dice: 0.29326131939888,
print_iou: 0.17182554304599762
471 masks_dr unique: tensor([-1.5861, -1.5861, -1.5603, ..., 2.2965, 2.3028, 2.3193],
472     grad_fn=<Unique2Backward0>)
473 masks_dr unique: tensor([-1.5861, -1.5861, -1.5603, ..., 2.2965, 2.3028, 2.3193],
474     grad_fn=<Unique2Backward0>)
475 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 9., 11., 12., 13.,
14.,
476     15., 16., 17., 18.])
477 print_dice: 0.33055225014686584, print_iou: 0.1980009526014328
478 Epoch 0/4: 41%|██████| 66/160 [10:53<15:10, 9.69s/it]masks_dr unique: tensor([-1.7642
, -1.7558, -1.7361, ..., 1.8080, 1.8271, 1.8567],
479     grad_fn=<Unique2Backward0>)
480 masks_dr unique: tensor([-1.7642, -1.7558, -1.7361, ..., 1.8080, 1.8271, 1.8567],
481     grad_fn=<Unique2Backward0>)
482 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 9., 11., 12., 13.,
14.,
483     15., 16., 17., 18.])
484 Epoch 0/4: 42%|██████| 67/160 [11:02<14:56, 9.64s/it]print_dice: 0.26082783937454224
, print_iou: 0.14997240900993347
485 masks_dr unique: tensor([-1.7618, -1.7599, -1.7585, ..., 2.1375, 2.1411, 2.1575],
486     grad_fn=<Unique2Backward0>)

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487 masks_dr unique: tensor([-1.7618, -1.7599, -1.7585, ..., 2.1375, 2.1411, 2.1575],
488      grad_fn=<Unique2Backward0>)
489 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 9., 11., 12., 13.,
490      14., 15., 16., 17., 18.])
491 print_dice: 0.3089754283428192, print_iou: 0.18271493911743164
492 Epoch 0/4: 42%|██████| 68/160 [11:12<14:44, 9.61s/it]masks_dr unique: tensor([-1.7133
493      , -1.7133, -1.6886, ..., 2.2005, 2.2034, 2.2192],
494      grad_fn=<Unique2Backward0>)
495 masks_dr unique: tensor([-1.7133, -1.7133, -1.6886, ..., 2.2005, 2.2034, 2.2192],
496      grad_fn=<Unique2Backward0>)
497 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
498      15., 16., 17.])
499 print_dice: 0.30773836374282837, print_iou: 0.1818503439426422
500 Epoch 0/4: 43%|██████| 69/160 [11:21<14:30, 9.57s/it]masks_dr unique: tensor([-1.7689
501      , -1.7658, -1.7645, ..., 2.1918, 2.2094, 2.2386],
502      grad_fn=<Unique2Backward0>)
503 masks_dr unique: tensor([-1.7689, -1.7658, -1.7645, ..., 2.1918, 2.2094, 2.2386],
504      grad_fn=<Unique2Backward0>)
505 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
506      15., 16., 17.])
507 print_dice: 0.32596319913864136, print_iou: 0.19471687078475952
508 Epoch 0/4: 44%|██████| 70/160 [11:30<14:16, 9.51s/it]masks_dr unique: tensor([-1.8333
509      , -1.8310, -1.8306, ..., 2.1543, 2.1598, 2.1841],
510      grad_fn=<Unique2Backward0>)
511 masks_dr unique: tensor([-1.8333, -1.8310, -1.8306, ..., 2.1543, 2.1598, 2.1841],
512      grad_fn=<Unique2Backward0>)
513 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
514      15., 16., 17.])
515 print_dice: 0.3058865964412689, print_iou: 0.18055851757526398
516 Epoch 0/4: 44%|██████| 71/160 [11:40<14:05, 9.50s/it]masks_dr unique: tensor([-1.8376
517      , -1.8289, -1.8083, ..., 1.8104, 1.8139, 1.8337],
518      grad_fn=<Unique2Backward0>)
519 masks_dr unique: tensor([-1.8376, -1.8289, -1.8083, ..., 1.8104, 1.8139, 1.8337],
520      grad_fn=<Unique2Backward0>)
521 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
522      15., 16., 17.])
523 print_dice: 0.2544001340866089, print_iou: 0.14573794603347778
524 Epoch 0/4: 45%|██████| 72/160 [11:49<13:55, 9.50s/it]masks_dr unique: tensor([-1.9327
525      , -1.9322, -1.9316, ..., 1.8826, 1.8885, 1.9035],
526      grad_fn=<Unique2Backward0>)
527 masks_dr unique: tensor([-1.9327, -1.9322, -1.9316, ..., 1.8826, 1.8885, 1.9035],
528      grad_fn=<Unique2Backward0>)
529 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 9., 11., 12., 13.,
530      14., 15., 16., 17., 18.])
531 Epoch 0/4: 46%|██████| 73/160 [11:59<13:48, 9.52s/it]print_dice: 0.2681194841861725,
532      print_iou: 0.15481406450271606
533 masks_dr unique: tensor([-1.8246, -1.8229, -1.8224, ..., 1.9905, 2.0151, 2.0156],
534      grad_fn=<Unique2Backward0>)
535 masks_dr unique: tensor([-1.8246, -1.8229, -1.8224, ..., 1.9905, 2.0151, 2.0156],
536      grad_fn=<Unique2Backward0>)
537 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 9., 11., 12., 13.,
538      14., 15., 16., 17., 18.])
539 Epoch 0/4: 46%|██████| 74/160 [12:09<13:40, 9.54s/it]print_dice: 0.26910078525543213
540      , print_iou: 0.15546879172325134
541 masks_dr unique: tensor([-1.7814, -1.7784, -1.7783, ..., 2.0188, 2.0197, 2.0521],
542      grad_fn=<Unique2Backward0>)
543 masks_dr unique: tensor([-1.7814, -1.7784, -1.7783, ..., 2.0188, 2.0197, 2.0521],
544      grad_fn=<Unique2Backward0>)
545 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
546      15., 16., 17.])
547 Epoch 0/4: 47%|██████| 75/160 [12:18<13:33, 9.57s/it]print_dice: 0.3551550507545471,

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540 print_iou: 0.215920090675354
541 masks_dr unique: tensor([-1.8838, -1.8748, -1.8545, ..., 1.8757, 1.8834, 1.9035],
542       grad_fn=<Unique2Backward0>)
543 masks_dr unique: tensor([-1.8838, -1.8748, -1.8545, ..., 1.8757, 1.8834, 1.9035],
544       grad_fn=<Unique2Backward0>)
545 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
15.,
546       16., 17., 18.])
547 print_dice: 0.27009037137031555, print_iou: 0.15612974762916565
548 Epoch 0/4: 48%|██████| 76/160 [12:28<13:28, 9.62s/it]masks_dr unique: tensor([-1.4782
, -1.4773, -1.4754, ..., 2.2494, 2.2521, 2.2837],
549       grad_fn=<Unique2Backward0>)
550 masks_dr unique: tensor([-1.4782, -1.4773, -1.4754, ..., 2.2494, 2.2521, 2.2837],
551       grad_fn=<Unique2Backward0>)
552 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
15.,
553       16., 17.])
554 Epoch 0/4: 48%|██████| 77/160 [12:37<13:16, 9.60s/it]print_dice: 0.33485186100006104
, print_iou: 0.2010943442583084
555 masks_dr unique: tensor([-1.9086, -1.8994, -1.8792, ..., 1.8971, 1.9038, 1.9243],
556       grad_fn=<Unique2Backward0>)
557 masks_dr unique: tensor([-1.9086, -1.8994, -1.8792, ..., 1.8971, 1.9038, 1.9243],
558       grad_fn=<Unique2Backward0>)
559 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
15.,
560       16., 17.])
561 Epoch 0/4: 49%|██████| 78/160 [12:47<13:06, 9.60s/it]print_dice: 0.24991083145141602
, print_iou: 0.14279891550540924
562 masks_dr unique: tensor([-1.7541, -1.7277, -1.7079, ..., 1.9391, 1.9450, 1.9570],
563       grad_fn=<Unique2Backward0>)
564 masks_dr unique: tensor([-1.7541, -1.7277, -1.7079, ..., 1.9391, 1.9450, 1.9570],
565       grad_fn=<Unique2Backward0>)
566 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
15.,
567       16., 17.])
568 print_dice: 0.33332520723342896, print_iou: 0.19999416172504425
569 Epoch 0/4: 49%|██████| 79/160 [12:57<13:01, 9.64s/it]masks_dr unique: tensor([-1.9336
, -1.9241, -1.9043, ..., 1.9336, 1.9404, 1.9610],
570       grad_fn=<Unique2Backward0>)
571 masks_dr unique: tensor([-1.9336, -1.9241, -1.9043, ..., 1.9336, 1.9404, 1.9610],
572       grad_fn=<Unique2Backward0>)
573 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
15.,
574       16., 17.])
575 Epoch 0/4: 50%|██████| 80/160 [13:06<12:50, 9.63s/it]print_dice: 0.28027573227882385
, print_iou: 0.16297712922096252
576 masks_dr unique: tensor([-2.0424, -2.0415, -2.0415, ..., 2.1313, 2.1459, 2.1630],
577       grad_fn=<Unique2Backward0>)
578 masks_dr unique: tensor([-2.0424, -2.0415, -2.0415, ..., 2.1313, 2.1459, 2.1630],
579       grad_fn=<Unique2Backward0>)
580 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
15.,
581       16., 17.])
582 print_dice: 0.3422032594680786, print_iou: 0.20642052590847015
583 Epoch 0/4: 51%|██████| 81/160 [13:16<12:38, 9.61s/it]masks_dr unique: tensor([-1.9586
, -1.9488, -1.9290, ..., 1.9777, 1.9837, 2.0045],
584       grad_fn=<Unique2Backward0>)
585 masks_dr unique: tensor([-1.9586, -1.9488, -1.9290, ..., 1.9777, 1.9837, 2.0045],
586       grad_fn=<Unique2Backward0>)
587 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
15.,
588       16., 17., 18.])
589 print_dice: 0.2797197997570038, print_iou: 0.1626013070344925
590 Epoch 0/4: 51%|██████| 82/160 [13:26<12:32, 9.64s/it]masks_dr unique: tensor([-1.9036
, -1.8817, -1.8790, ..., 2.0492, 2.0501, 2.0709],
591       grad_fn=<Unique2Backward0>)
592 masks_dr unique: tensor([-1.9036, -1.8817, -1.8790, ..., 2.0492, 2.0501, 2.0709],
593       grad_fn=<Unique2Backward0>)
594 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,

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594 15.,
595     16., 17.])
596 print_dice: 0.366843581199646, print_iou: 0.2246224284172058
597 Epoch 0/4: 52%|██████| 83/160 [13:35<12:20, 9.62s/it]masks_dr unique: tensor([-1.9851
, -1.9752, -1.9551, ..., 2.0003, 2.0067, 2.0270],
598     grad_fn=<Unique2Backward0>)
599 masks_dr unique: tensor([-1.9851, -1.9752, -1.9551, ..., 2.0003, 2.0067, 2.0270],
600     grad_fn=<Unique2Backward0>)
601 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
15.,
602     16., 17.])
603 print_dice: 0.2899424135684967, print_iou: 0.16955125331878662
604 Epoch 0/4: 52%|██████| 84/160 [13:45<12:05, 9.55s/it]masks_dr unique: tensor([-1.9995
, -1.9896, -1.9690, ..., 2.0149, 2.0217, 2.0414],
605     grad_fn=<Unique2Backward0>)
606 masks_dr unique: tensor([-1.9995, -1.9896, -1.9690, ..., 2.0149, 2.0217, 2.0414],
607     grad_fn=<Unique2Backward0>)
608 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
15.,
609     16., 17.])
610 print_dice: 0.28296080231666565, print_iou: 0.16479578614234924
611 Epoch 0/4: 53%|██████| 85/160 [13:54<11:55, 9.54s/it]masks_dr unique: tensor([-2.0154
, -2.0054, -1.9843, ..., 2.0292, 2.0365, 2.0561],
612     grad_fn=<Unique2Backward0>)
613 masks_dr unique: tensor([-2.0154, -2.0054, -1.9843, ..., 2.0292, 2.0365, 2.0561],
614     grad_fn=<Unique2Backward0>)
615 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 9., 11., 12., 13.,
14.,
616     15., 16., 17., 18.])
617 Epoch 0/4: 54%|██████| 86/160 [14:04<11:44, 9.51s/it]print_dice: 0.285979688167572,
print_iou: 0.1668473184108734
618 masks_dr unique: tensor([-2.0093, -2.0086, -2.0080, ..., 2.0333, 2.0444, 2.0612],
619     grad_fn=<Unique2Backward0>)
620 masks_dr unique: tensor([-2.0093, -2.0086, -2.0080, ..., 2.0333, 2.0444, 2.0612],
621     grad_fn=<Unique2Backward0>)
622 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 11., 12., 13., 14., 15.,
16.])
623 print_dice: 0.3108157217502594, print_iou: 0.18400344252586365
624 Epoch 0/4: 54%|██████| 87/160 [14:13<11:34, 9.52s/it]masks_dr unique: tensor([-2.0031
, -2.0031, -2.0019, ..., 1.8777, 1.8875, 1.8948],
625     grad_fn=<Unique2Backward0>)
626 masks_dr unique: tensor([-2.0031, -2.0031, -2.0019, ..., 1.8777, 1.8875, 1.8948],
627     grad_fn=<Unique2Backward0>)
628 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
15.,
629     16., 17.])
630 Epoch 0/4: 55%|██████| 88/160 [14:23<11:27, 9.55s/it]print_dice: 0.34301018714904785
, print_iou: 0.2070080190896988
631 masks_dr unique: tensor([-1.8432, -1.8184, -1.8165, ..., 2.3008, 2.3044, 2.3258],
632     grad_fn=<Unique2Backward0>)
633 masks_dr unique: tensor([-1.8432, -1.8184, -1.8165, ..., 2.3008, 2.3044, 2.3258],
634     grad_fn=<Unique2Backward0>)
635 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
15.,
636     16., 17.])
637 Epoch 0/4: 56%|██████| 89/160 [14:32<11:17, 9.54s/it]print_dice: 0.3374406099319458,
print_iou: 0.20296454429626465
638 masks_dr unique: tensor([-2.0647, -2.0548, -2.0351, ..., 2.0753, 2.0823, 2.1015],
639     grad_fn=<Unique2Backward0>)
640 masks_dr unique: tensor([-2.0647, -2.0548, -2.0351, ..., 2.0753, 2.0823, 2.1015],
641     grad_fn=<Unique2Backward0>)
642 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
15.,
643     16., 17.])
644 print_dice: 0.29437020421028137, print_iou: 0.17258739471435547
645 Epoch 0/4: 56%|██████| 90/160 [14:42<11:15, 9.65s/it]masks_dr unique: tensor([-1.9760
, -1.9606, -1.9472, ..., 1.9373, 1.9414, 1.9569],
646     grad_fn=<Unique2Backward0>)
647 masks_dr unique: tensor([-1.9760, -1.9606, -1.9472, ..., 1.9373, 1.9414, 1.9569],

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648     grad_fn=<Unique2Backward0>)
649 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
15.,
650     16., 17.])
651 print_dice: 0.3319338262081146, print_iou: 0.19899320602416992
652 Epoch 0/4: 57%|███████| 91/160 [14:52<11:09, 9.70s/it]masks_dr unique: tensor([-2.1212
, -2.1064, -2.0829, ..., 2.1125, 2.1253, 2.1403],
653     grad_fn=<Unique2Backward0>)
654 masks_dr unique: tensor([-2.1212, -2.1064, -2.0829, ..., 2.1125, 2.1253, 2.1403],
655     grad_fn=<Unique2Backward0>)
656 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 9., 10., 11., 12.,
13.,
657     14., 15., 16., 17., 18., 19.])
658 Epoch 0/4: 57%|███████| 92/160 [15:02<10:58, 9.68s/it]print_dice: 0.35099369287490845
, print_iou: 0.2128516435623169
659 masks_dr unique: tensor([-2.0860, -2.0753, -2.0574, ..., 2.0973, 2.1052, 2.1233],
660     grad_fn=<Unique2Backward0>)
661 masks_dr unique: tensor([-2.0860, -2.0753, -2.0574, ..., 2.0973, 2.1052, 2.1233],
662     grad_fn=<Unique2Backward0>)
663 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 9., 11., 12., 13.,
14.,
664     15., 16., 17., 18.])
665 print_dice: 0.30849847197532654, print_iou: 0.18238143622875214
666 Epoch 0/4: 58%|███████| 93/160 [15:11<10:50, 9.70s/it]masks_dr unique: tensor([-1.9122
, -1.9034, -1.9000, ..., 2.4653, 2.4788, 2.4992],
667     grad_fn=<Unique2Backward0>)
668 masks_dr unique: tensor([-1.9122, -1.9034, -1.9000, ..., 2.4653, 2.4788, 2.4992],
669     grad_fn=<Unique2Backward0>)
670 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 9., 11., 12., 13.,
14.,
671     15., 16., 17., 18.])
672 print_dice: 0.33650654554367065, print_iou: 0.20228905975818634
673 Epoch 0/4: 59%|███████| 94/160 [15:21<10:39, 9.70s/it]masks_dr unique: tensor([-1.9735
, -1.9621, -1.9539, ..., 1.8933, 1.9066, 1.9152],
674     grad_fn=<Unique2Backward0>)
675 masks_dr unique: tensor([-1.9735, -1.9621, -1.9539, ..., 1.8933, 1.9066, 1.9152],
676     grad_fn=<Unique2Backward0>)
677 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
15.,
678     16., 17., 18.])
679 Epoch 0/4: 59%|███████| 95/160 [15:31<10:30, 9.70s/it]print_dice: 0.30674898624420166
, print_iou: 0.18115977942943573
680 masks_dr unique: tensor([-1.7141, -1.6935, -1.6897, ..., 2.2375, 2.2381, 2.2555],
681     grad_fn=<Unique2Backward0>)
682 masks_dr unique: tensor([-1.7141, -1.6935, -1.6897, ..., 2.2375, 2.2381, 2.2555],
683     grad_fn=<Unique2Backward0>)
684 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
15.,
685     16., 17.])
686 Epoch 0/4: 60%|███████| 96/160 [15:41<10:21, 9.71s/it]print_dice: 0.3484485149383545,
print_iou: 0.2109825313091278
687 masks_dr unique: tensor([-2.0619, -2.0358, -2.0353, ..., 2.2804, 2.2869, 2.3010],
688     grad_fn=<Unique2Backward0>)
689 masks_dr unique: tensor([-2.0619, -2.0358, -2.0353, ..., 2.2804, 2.2869, 2.3010],
690     grad_fn=<Unique2Backward0>)
691 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
15.,
692     16., 17.])
693 Epoch 0/4: 61%|███████| 97/160 [15:50<10:09, 9.68s/it]print_dice: 0.3449792265892029,
print_iou: 0.2084440439939499
694 masks_dr unique: tensor([-2.0274, -2.0099, -1.9907, ..., 2.2885, 2.3031, 2.3180],
695     grad_fn=<Unique2Backward0>)
696 masks_dr unique: tensor([-2.0274, -2.0099, -1.9907, ..., 2.2885, 2.3031, 2.3180],
697     grad_fn=<Unique2Backward0>)
698 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
15.,
699     16., 17.])
700 Epoch 0/4: 61%|███████| 98/160 [16:00<09:59, 9.67s/it]print_dice: 0.35101231932640076
, print_iou: 0.21286532282829285

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701 masks_dr unique: tensor([-2.0117, -1.9953, -1.9826, ..., 2.3045, 2.3071, 2.3258],
702       grad_fn=<Unique2Backward0>)
703 masks_dr unique: tensor([-2.0117, -1.9953, -1.9826, ..., 2.3045, 2.3071, 2.3258],
704       grad_fn=<Unique2Backward0>)
705 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
706       15., 16., 17.])
707 print_dice: 0.39226841926574707, print_iou: 0.2439887523651123
708 Epoch 0/4: 62%|███████| 99/160 [16:09<09:46, 9.62s/it]masks_dr unique: tensor([-2.1412
709       , -2.1286, -2.1110, ..., 2.1493, 2.1631, 2.1793],
710       grad_fn=<Unique2Backward0>)
711 masks_dr unique: tensor([-2.1412, -2.1286, -2.1110, ..., 2.1493, 2.1631, 2.1793],
712       grad_fn=<Unique2Backward0>)
713 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
714       15., 16., 17.])
715 print_dice: 0.3266402781009674, print_iou: 0.19520027935504913
716 Epoch 0/4: 62%|███████| 100/160 [16:19<09:36, 9.62s/it]masks_dr unique: tensor([-2.1468
717       , -2.1339, -2.1162, ..., 2.1522, 2.1673, 2.1832],
718       grad_fn=<Unique2Backward0>)
719 masks_dr unique: tensor([-2.1468, -2.1339, -2.1162, ..., 2.1522, 2.1673, 2.1832],
720       grad_fn=<Unique2Backward0>)
721 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 9., 11., 12., 13.,
722       14., 15., 16., 17., 18.])
723 print_dice: 0.33752739429473877, print_iou: 0.20302733778953552
724 [100/160] eta: 0:09:47 time: 9.6209 data: 0.0005
725 Epoch 0/4: 63%|███████| 101/160 [16:28<09:25, 9.58s/it]masks_dr unique: tensor([-2.3452
726       , -2.3328, -2.3059, ..., 1.9094, 1.9107, 1.9139],
727       grad_fn=<Unique2Backward0>)
728 masks_dr unique: tensor([-2.3452, -2.3328, -2.3059, ..., 1.9094, 1.9107, 1.9139],
729       grad_fn=<Unique2Backward0>)
730 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
731       15., 16., 17., 18.])
732 print_dice: 0.33776429295539856, print_iou: 0.20319879055023193
733 Epoch 0/4: 64%|███████| 102/160 [16:38<09:16, 9.60s/it]masks_dr unique: tensor([-2.0543
734       , -2.0449, -2.0356, ..., 2.1612, 2.1722, 2.1765],
735       grad_fn=<Unique2Backward0>)
736 masks_dr unique: tensor([-2.0543, -2.0449, -2.0356, ..., 2.1612, 2.1722, 2.1765],
737       grad_fn=<Unique2Backward0>)
738 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
739       15., 16., 17.])
740 print_dice: 0.3537253141403198, print_iou: 0.2148640900850296
741 Epoch 0/4: 64%|███████| 103/160 [16:48<09:06, 9.59s/it]masks_dr unique: tensor([-2.2468
742       , -2.2216, -2.2032, ..., 2.2449, 2.2653, 2.2786],
743       grad_fn=<Unique2Backward0>)
744 masks_dr unique: tensor([-2.2468, -2.2216, -2.2032, ..., 2.2449, 2.2653, 2.2786],
745       grad_fn=<Unique2Backward0>)
746 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
747       15., 16., 17.])
748 print_dice: 0.3841495215892792, print_iou: 0.23773828148841858
749 Epoch 0/4: 65%|███████| 104/160 [16:57<08:59, 9.63s/it]masks_dr unique: tensor([-2.2151
750       , -2.2086, -2.1925, ..., 2.2621, 2.2645, 2.2752],
751       grad_fn=<Unique2Backward0>)
752 masks_dr unique: tensor([-2.2151, -2.2086, -2.1925, ..., 2.2621, 2.2645, 2.2752],
753       grad_fn=<Unique2Backward0>)
754 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
755       15., 16., 17.])
756 print_dice: 0.34459999203681946, print_iou: 0.2081671953201294
757 Epoch 0/4: 66%|███████| 105/160 [17:07<08:48, 9.60s/it]masks_dr unique: tensor([-2.1470
758       , -2.1334, -2.1128, ..., 2.1848, 2.2014, 2.2151],
759       grad_fn=<Unique2Backward0>)
760 masks_dr unique: tensor([-2.1470, -2.1334, -2.1128, ..., 2.1848, 2.2014, 2.2151],
761       grad_fn=<Unique2Backward0>)
762 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,

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755 15.,
756     16., 17., 18.])
757 Epoch 0/4: 66%|███████ | 106/160 [17:16<08:35, 9.55s/it]print_dice: 0.32439231872558594
    , print_iou: 0.19359682500362396
758 masks_dr unique: tensor([-2.0958, -2.0924, -2.0723, ..., 2.5659, 2.5726, 2.5802],
759     grad_fn=<Unique2Backward0>)
760 masks_dr unique: tensor([-2.0958, -2.0924, -2.0723, ..., 2.5659, 2.5726, 2.5802],
761     grad_fn=<Unique2Backward0>)
762 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
    15.,
763     16., 17.])
764 print_dice: 0.31885072588920593, print_iou: 0.18966235220432281
765 Epoch 0/4: 67%|███████ | 107/160 [17:26<08:26, 9.56s/it]masks_dr unique: tensor([-2.1352
    , -2.1271, -2.1139, ..., 2.4398, 2.4413, 2.4597],
766     grad_fn=<Unique2Backward0>)
767 masks_dr unique: tensor([-2.1352, -2.1271, -2.1139, ..., 2.4398, 2.4413, 2.4597],
768     grad_fn=<Unique2Backward0>)
769 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
    15.,
770     16., 17.])
771 Epoch 0/4: 68%|███████ | 108/160 [17:35<08:16, 9.55s/it]print_dice: 0.35117974877357483
    , print_iou: 0.2129884958267212
772 masks_dr unique: tensor([-2.2205, -2.2134, -2.2003, ..., 2.4560, 2.4582, 2.4754],
773     grad_fn=<Unique2Backward0>)
774 masks_dr unique: tensor([-2.2205, -2.2134, -2.2003, ..., 2.4560, 2.4582, 2.4754],
775     grad_fn=<Unique2Backward0>)
776 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
    15.,
777     16., 17.])
778 print_dice: 0.2969144284725189, print_iou: 0.17433911561965942
779 Epoch 0/4: 68%|███████ | 109/160 [17:45<08:08, 9.57s/it]masks_dr unique: tensor([-1.8864
    , -1.8857, -1.8856, ..., 2.7447, 2.7471, 2.7675],
780     grad_fn=<Unique2Backward0>)
781 masks_dr unique: tensor([-1.8864, -1.8857, -1.8856, ..., 2.7447, 2.7471, 2.7675],
782     grad_fn=<Unique2Backward0>)
783 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
    15.,
784     16., 17., 18.])
785 print_dice: 0.3727665841579437, print_iou: 0.2290799766778946
786 Epoch 0/4: 69%|███████ | 110/160 [17:55<08:02, 9.66s/it]masks_dr unique: tensor([-2.1184
    , -2.1058, -2.0849, ..., 2.1544, 2.1659, 2.1669],
787     grad_fn=<Unique2Backward0>)
788 masks_dr unique: tensor([-2.1184, -2.1058, -2.0849, ..., 2.1544, 2.1659, 2.1669],
789     grad_fn=<Unique2Backward0>)
790 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 9., 11., 12., 13.,
    14.,
791     15., 16., 17., 18.])
792 print_dice: 0.35605740547180176, print_iou: 0.21658748388290405
793 Epoch 0/4: 69%|███████ | 111/160 [18:07<08:28, 10.38s/it]masks_dr unique: tensor([-2.1236
    , -2.1111, -2.0907, ..., 2.1529, 2.1633, 2.1913],
794     grad_fn=<Unique2Backward0>)
795 masks_dr unique: tensor([-2.1236, -2.1111, -2.0907, ..., 2.1529, 2.1633, 2.1913],
796     grad_fn=<Unique2Backward0>)
797 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
    15.,
798     16., 17.])
799 Epoch 0/4: 70%|███████ | 112/160 [18:18<08:22, 10.48s/it]print_dice: 0.3444845974445343
    , print_iou: 0.20808298885822296
800 masks_dr unique: tensor([-2.1313, -2.1189, -2.0991, ..., 2.1659, 2.1767, 2.2042],
801     grad_fn=<Unique2Backward0>)
802 masks_dr unique: tensor([-2.1313, -2.1189, -2.0991, ..., 2.1659, 2.1767, 2.2042],
803     grad_fn=<Unique2Backward0>)
804 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 9., 11., 12., 13.,
    14.,
805     15., 16., 17., 18.])
806 Epoch 0/4: 71%|███████ | 113/160 [18:28<08:15, 10.54s/it]print_dice: 0.3663627505302429
    , print_iou: 0.22426199913024902
807 masks_dr unique: tensor([-2.3428, -2.3358, -2.3098, ..., 2.4521, 2.4569, 2.4734],
808     grad_fn=<Unique2Backward0>)

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809 masks_dr unique: tensor([-2.3428, -2.3358, -2.3098, ..., 2.4521, 2.4569, 2.4734],
810      grad_fn=<Unique2Backward0>)
811 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
812      15., 16., 17.])
813 Epoch 0/4: 71%|███████| 114/160 [18:39<08:00, 10.44s/it]print_dice: 0.34516096115112305
814      , print_iou: 0.2085767537355423
815 masks_dr unique: tensor([-2.1403, -2.1403, -2.1281, ..., 2.1778, 2.1895, 2.2158],
816      grad_fn=<Unique2Backward0>)
817 masks_dr unique: tensor([-2.1403, -2.1403, -2.1281, ..., 2.1778, 2.1895, 2.2158],
818      grad_fn=<Unique2Backward0>)
819 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
820      15., 16., 17., 18.])
821 print_dice: 0.3477674722671509, print_iou: 0.2104833722114563
822 Epoch 0/4: 72%|███████| 115/160 [18:49<07:45, 10.34s/it]masks_dr unique: tensor([-2.1462
823      , -2.1340, -2.1143, ..., 2.2231, 2.2352, 2.2618],
824      grad_fn=<Unique2Backward0>)
825 masks_dr unique: tensor([-2.1462, -2.1340, -2.1143, ..., 2.2231, 2.2352, 2.2618],
826      grad_fn=<Unique2Backward0>)
827 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
828      15., 16., 17.])
829 print_dice: 0.32196319103240967, print_iou: 0.19186896085739136
830 Epoch 0/4: 72%|███████| 116/160 [18:59<07:32, 10.29s/it]masks_dr unique: tensor([-2.2430
831      , -2.2378, -2.2236, ..., 2.9512, 2.9562, 2.9800],
832      grad_fn=<Unique2Backward0>)
833 masks_dr unique: tensor([-2.2430, -2.2378, -2.2236, ..., 2.9512, 2.9562, 2.9800],
834      grad_fn=<Unique2Backward0>)
835 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 9., 11., 12., 13.,
836      14., 15., 16., 17., 18.])
837 print_dice: 0.3885231614112854, print_iou: 0.2410975843667984
838 Epoch 0/4: 73%|███████| 117/160 [19:09<07:19, 10.22s/it]masks_dr unique: tensor([-2.1645
839      , -2.1519, -2.1330, ..., 2.2737, 2.2858, 2.3133],
840      grad_fn=<Unique2Backward0>)
841 masks_dr unique: tensor([-2.1645, -2.1519, -2.1330, ..., 2.2737, 2.2858, 2.3133],
842      grad_fn=<Unique2Backward0>)
843 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
844      15., 16., 17.])
845 Epoch 0/4: 74%|███████| 118/160 [19:19<07:07, 10.19s/it]print_dice: 0.39424750208854675
846      , print_iou: 0.24552194774150848
847 masks_dr unique: tensor([-2.5558, -2.5281, -2.5068, ..., 2.6585, 2.6622, 2.6709],
848      grad_fn=<Unique2Backward0>)
849 masks_dr unique: tensor([-2.5558, -2.5281, -2.5068, ..., 2.6585, 2.6622, 2.6709],
850      grad_fn=<Unique2Backward0>)
851 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
852      15., 16., 17.])
853 Epoch 0/4: 74%|███████| 119/160 [19:29<06:54, 10.11s/it]print_dice: 0.3786367177963257
854      , print_iou: 0.23352983593940735
855 masks_dr unique: tensor([-2.4451, -2.4206, -2.4028, ..., 2.7266, 2.7330, 2.7499],
856      grad_fn=<Unique2Backward0>)
857 masks_dr unique: tensor([-2.4451, -2.4206, -2.4028, ..., 2.7266, 2.7330, 2.7499],
858      grad_fn=<Unique2Backward0>)
859 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
860      15., 16., 17.])
861 print_dice: 0.3553211987018585, print_iou: 0.2160429060459137
862 Epoch 0/4: 75%|███████| 120/160 [19:39<06:43, 10.10s/it]masks_dr unique: tensor([-2.1921
863      , -2.1783, -2.1617, ..., 2.3689, 2.3805, 2.4100],
864      grad_fn=<Unique2Backward0>)
865 masks_dr unique: tensor([-2.1921, -2.1783, -2.1617, ..., 2.3689, 2.3805, 2.4100],
866      grad_fn=<Unique2Backward0>)
867 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
868      15., 16., 17.])
869 Epoch 0/4: 76%|███████| 121/160 [19:49<06:34, 10.11s/it]print_dice: 0.30471569299697876

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862 , print_iou: 0.17974312603473663
863 masks_dr unique: tensor([-2.1949, -2.1811, -2.1651, ..., 2.3904, 2.4010, 2.4313],
864      grad_fn=<Unique2Backward0>)
865 masks_dr unique: tensor([-2.1949, -2.1811, -2.1651, ..., 2.3904, 2.4010, 2.4313],
866      grad_fn=<Unique2Backward0>)
867 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 11., 12., 13., 14., 15.,
16.,
868      17.])
869 Epoch 0/4: 76%|██████████ | 122/160 [20:00<06:36, 10.43s/it]print_dice: 0.3365788757801056
, print_iou: 0.20234134793281555
870 masks_dr unique: tensor([-2.2822, -2.2651, -2.2404, ..., 2.9899, 2.9978, 3.0167],
871      grad_fn=<Unique2Backward0>)
872 masks_dr unique: tensor([-2.2822, -2.2651, -2.2404, ..., 2.9899, 2.9978, 3.0167],
873      grad_fn=<Unique2Backward0>)
874 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
15.,
875      16., 17., 18.])
876 Epoch 0/4: 77%|██████████ | 123/160 [20:11<06:30, 10.56s/it]print_dice: 0.33261987566947937
, print_iou: 0.19948653876781464
877 masks_dr unique: tensor([-2.2160, -2.2155, -2.2060, ..., 2.4098, 2.4186, 2.4502],
878      grad_fn=<Unique2Backward0>)
879 masks_dr unique: tensor([-2.2160, -2.2155, -2.2060, ..., 2.4098, 2.4186, 2.4502],
880      grad_fn=<Unique2Backward0>)
881 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
15.,
882      16., 17.])
883 Epoch 0/4: 78%|██████████ | 124/160 [20:22<06:25, 10.71s/it]print_dice: 0.3865370452404022
, print_iou: 0.23956982791423798
884 masks_dr unique: tensor([-2.6704, -2.6560, -2.6434, ..., 2.4317, 2.4495, 2.4657],
885      grad_fn=<Unique2Backward0>)
886 masks_dr unique: tensor([-2.6704, -2.6560, -2.6434, ..., 2.4317, 2.4495, 2.4657],
887      grad_fn=<Unique2Backward0>)
888 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
15.,
889      16., 17.])
890 Epoch 0/4: 78%|██████████ | 125/160 [20:33<06:19, 10.85s/it]print_dice: 0.3865659832954407
, print_iou: 0.2395920604467392
891 masks_dr unique: tensor([-2.5206, -2.5029, -2.4869, ..., 2.7851, 2.8045, 2.8220],
892      grad_fn=<Unique2Backward0>)
893 masks_dr unique: tensor([-2.5206, -2.5029, -2.4869, ..., 2.7851, 2.8045, 2.8220],
894      grad_fn=<Unique2Backward0>)
895 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
15.,
896      16., 17., 18.])
897 Epoch 0/4: 79%|██████████ | 126/160 [20:45<06:14, 11.01s/it]print_dice: 0.3207204341888428
, print_iou: 0.19098693132400513
898 masks_dr unique: tensor([-2.5102, -2.4973, -2.4921, ..., 2.9112, 2.9132, 2.9428],
899      grad_fn=<Unique2Backward0>)
900 masks_dr unique: tensor([-2.5102, -2.4973, -2.4921, ..., 2.9112, 2.9132, 2.9428],
901      grad_fn=<Unique2Backward0>)
902 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
15.,
903      16., 17.])
904 print_dice: 0.3353961408138275, print_iou: 0.20148706436157227
905 Epoch 0/4: 79%|██████████ | 127/160 [20:56<06:01, 10.96s/it]masks_dr unique: tensor([-2.3429
, -2.3177, -2.3105, ..., 2.3814, 2.3871, 2.4204],
906      grad_fn=<Unique2Backward0>)
907 masks_dr unique: tensor([-2.3429, -2.3177, -2.3105, ..., 2.3814, 2.3871, 2.4204],
908      grad_fn=<Unique2Backward0>)
909 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
15.,
910      16., 17.])
911 print_dice: 0.36328789591789246, print_iou: 0.22196200489997864
912 Epoch 0/4: 80%|██████████ | 128/160 [21:06<05:47, 10.87s/it]masks_dr unique: tensor([-2.3579
, -2.3324, -2.3245, ..., 2.3704, 2.3794, 2.4041],
913      grad_fn=<Unique2Backward0>)
914 masks_dr unique: tensor([-2.3579, -2.3324, -2.3245, ..., 2.3704, 2.3794, 2.4041],
915      grad_fn=<Unique2Backward0>)
916 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,

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916 15.,
917     16., 17.])
918 print_dice: 0.3716760575771332, print_iou: 0.22825682163238525
919 Epoch 0/4: 81%|██████████| 129/160 [21:18<05:40, 10.99s/it]masks_dr unique: tensor([-2.3656
, -2.3400, -2.3314, ..., 2.3763, 2.3790, 2.3968],
920     grad_fn=<Unique2Backward0>)
921 masks_dr unique: tensor([-2.3656, -2.3400, -2.3314, ..., 2.3763, 2.3790, 2.3968],
922     grad_fn=<Unique2Backward0>)
923 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
15.,
924     16., 17.])
925 print_dice: 0.36757805943489075, print_iou: 0.2251734435558319
926 Epoch 0/4: 81%|██████████| 130/160 [21:28<05:27, 10.91s/it]masks_dr unique: tensor([-2.3189
, -2.3021, -2.2830, ..., 2.4381, 2.4406, 2.4645],
927     grad_fn=<Unique2Backward0>)
928 masks_dr unique: tensor([-2.3189, -2.3021, -2.2830, ..., 2.4381, 2.4406, 2.4645],
929     grad_fn=<Unique2Backward0>)
930 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
15.,
931     16., 17.])
932 print_dice: 0.345681369304657, print_iou: 0.20895694196224213
933 Epoch 0/4: 82%|██████████| 131/160 [21:39<05:14, 10.83s/it]masks_dr unique: tensor([-2.6679
, -2.6403, -2.6241, ..., 2.6245, 2.6316, 2.6634],
934     grad_fn=<Unique2Backward0>)
935 masks_dr unique: tensor([-2.6679, -2.6403, -2.6241, ..., 2.6245, 2.6316, 2.6634],
936     grad_fn=<Unique2Backward0>)
937 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 9., 11., 12., 13.,
14.,
938     15., 16., 17., 18.])
939 print_dice: 0.394450306892395, print_iou: 0.24567930400371552
940 Epoch 0/4: 82%|██████████| 132/160 [21:49<04:59, 10.71s/it]masks_dr unique: tensor([-2.5472
, -2.5407, -2.5397, ..., 2.6125, 2.6183, 2.6400],
941     grad_fn=<Unique2Backward0>)
942 masks_dr unique: tensor([-2.5472, -2.5407, -2.5397, ..., 2.6125, 2.6183, 2.6400],
943     grad_fn=<Unique2Backward0>)
944 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 9., 11., 12., 13.,
14.,
945     15., 16., 17., 18.])
946 Epoch 0/4: 83%|██████████| 133/160 [22:00<04:47, 10.66s/it]print_dice: 0.35931670665740967
, print_iou: 0.2190043032169342
947 masks_dr unique: tensor([-2.2826, -2.2685, -2.2587, ..., 2.5203, 2.5207, 2.5217],
948     grad_fn=<Unique2Backward0>)
949 masks_dr unique: tensor([-2.2826, -2.2685, -2.2587, ..., 2.5203, 2.5207, 2.5217],
950     grad_fn=<Unique2Backward0>)
951 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 9., 10., 11., 12.,
13.,
952     14., 15., 16., 17., 18., 19.])
953 Epoch 0/4: 84%|██████████| 134/160 [22:11<04:36, 10.65s/it]print_dice: 0.41284307837486267
, print_iou: 0.260114848613739
954 masks_dr unique: tensor([-2.5831, -2.5590, -2.5417, ..., 2.5510, 2.5601, 2.5772],
955     grad_fn=<Unique2Backward0>)
956 masks_dr unique: tensor([-2.5831, -2.5590, -2.5417, ..., 2.5510, 2.5601, 2.5772],
957     grad_fn=<Unique2Backward0>)
958 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
15.,
959     16., 17.])
960 Epoch 0/4: 84%|██████████| 135/160 [22:21<04:25, 10.61s/it]print_dice: 0.3754969835281372
, print_iou: 0.23114575445652008
961 masks_dr unique: tensor([-2.4499, -2.4472, -2.4384, ..., 2.3717, 2.3769, 2.3836],
962     grad_fn=<Unique2Backward0>)
963 masks_dr unique: tensor([-2.4499, -2.4472, -2.4384, ..., 2.3717, 2.3769, 2.3836],
964     grad_fn=<Unique2Backward0>)
965 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
15.,
966     16., 17.])
967 Epoch 0/4: 85%|██████████| 136/160 [22:31<04:12, 10.53s/it]print_dice: 0.4401339590549469
, print_iou: 0.2821613848209381
968 masks_dr unique: tensor([-2.2056, -2.1799, -2.1727, ..., 2.6024, 2.6171, 2.6235],
969     grad_fn=<Unique2Backward0>)

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970 masks_dr unique: tensor([-2.2056, -2.1799, -2.1727, ..., 2.6024, 2.6171, 2.6235],
971      grad_fn=<Unique2Backward0>)
972 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
973      15., 16., 17.])
974 print_dice: 0.4286203682422638, print_iou: 0.27276691794395447
975 Epoch 0/4: 86%|██████████| 137/160 [22:41<03:57, 10.34s/it]masks_dr unique: tensor([-2.1903
976      , -2.1651, -2.1648, ..., 2.6228, 2.6372, 2.6443],
977      grad_fn=<Unique2Backward0>)
978 masks_dr unique: tensor([-2.1903, -2.1651, -2.1648, ..., 2.6228, 2.6372, 2.6443],
979      grad_fn=<Unique2Backward0>)
980 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
981      15., 16., 17.])
982 print_dice: 0.4122300446033478, print_iou: 0.2596283257007599
983 Epoch 0/4: 86%|██████████| 138/160 [22:51<03:45, 10.25s/it]masks_dr unique: tensor([-2.0234
984      , -2.0078, -2.0005, ..., 2.4406, 2.4482, 2.4486],
985      grad_fn=<Unique2Backward0>)
986 masks_dr unique: tensor([-2.0234, -2.0078, -2.0005, ..., 2.4406, 2.4482, 2.4486],
987      grad_fn=<Unique2Backward0>)
988 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
989      15., 16., 17.])
990 Epoch 0/4: 87%|██████████| 139/160 [23:01<03:33, 10.19s/it]print_dice: 0.3957661986351013
991      , print_iou: 0.24670106172561646
992 masks_dr unique: tensor([-2.1726, -2.1614, -2.1558, ..., 2.9672, 2.9781, 2.9840],
993      grad_fn=<Unique2Backward0>)
994 masks_dr unique: tensor([-2.1726, -2.1614, -2.1558, ..., 2.9672, 2.9781, 2.9840],
995      grad_fn=<Unique2Backward0>)
996 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 11., 12., 13., 14., 15.,
997      16., 17.])
998 Epoch 0/4: 88%|██████████| 140/160 [23:11<03:22, 10.13s/it]print_dice: 0.4113950729370117
999      , print_iou: 0.25896626710891724
1000 masks_dr unique: tensor([-2.6159, -2.5874, -2.5854, ..., 2.5946, 2.6065, 2.6067],
1001      grad_fn=<Unique2Backward0>)
1002 masks_dr unique: tensor([-2.6159, -2.5874, -2.5854, ..., 2.5946, 2.6065, 2.6067],
1003      grad_fn=<Unique2Backward0>)
1004 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 11., 12., 13., 14., 15.,
1005      16., 17.])
1006 print_dice: 0.444367915391922, print_iou: 0.2856510281562805
1007 Epoch 0/4: 88%|██████████| 141/160 [23:21<03:11, 10.07s/it]masks_dr unique: tensor([-2.4865
1008      , -2.4689, -2.4671, ..., 2.8488, 2.8491, 2.8675],
1009      grad_fn=<Unique2Backward0>)
1010 masks_dr unique: tensor([-2.4865, -2.4689, -2.4671, ..., 2.8488, 2.8491, 2.8675],
1011      grad_fn=<Unique2Backward0>)
1012 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
1013      15., 16., 17.])
1014 print_dice: 0.44295647740364075, print_iou: 0.2844856083393097
1015 Epoch 0/4: 89%|██████████| 142/160 [23:31<03:02, 10.11s/it]masks_dr unique: tensor([-2.1853
1016      , -2.1847, -2.1780, ..., 2.6376, 2.6431, 2.6543],
1017      grad_fn=<Unique2Backward0>)
1018 masks_dr unique: tensor([-2.1853, -2.1847, -2.1780, ..., 2.6376, 2.6431, 2.6543],
1019      grad_fn=<Unique2Backward0>)
1020 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
1021      15., 16., 17.])
1022 print_dice: 0.41821953654289246, print_iou: 0.2643979787826538
1023 Epoch 0/4: 89%|██████████| 143/160 [23:41<02:51, 10.08s/it]masks_dr unique: tensor([-2.2951
1024      , -2.2909, -2.2872, ..., 2.7604, 2.7637, 2.7810],
1025      grad_fn=<Unique2Backward0>)
1026 masks_dr unique: tensor([-2.2951, -2.2909, -2.2872, ..., 2.7604, 2.7637, 2.7810],
1027      grad_fn=<Unique2Backward0>)
1028 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
1029      15., 16., 17.])
1030 Epoch 0/4: 90%|██████████| 144/160 [23:52<02:41, 10.12s/it]print_dice: 0.3407536447048187

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1023 , print_iou: 0.20536650717258453
1024 masks_dr unique: tensor([-2.3420, -2.3236, -2.3222, ..., 2.8975, 2.9024, 2.9188],
1025      grad_fn=<Unique2Backward0>)
1026 masks_dr unique: tensor([-2.3420, -2.3236, -2.3222, ..., 2.8975, 2.9024, 2.9188],
1027      grad_fn=<Unique2Backward0>)
1028 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
1029      15.,
1030      16., 17.])
1030 Epoch 0/4: 91%|██████████| 145/160 [24:02<02:31, 10.11s/it]print_dice: 0.3788999915122986
1031 , print_iou: 0.23373016715049744
1031 masks_dr unique: tensor([-2.2015, -2.2011, -2.1929, ..., 2.6711, 2.6752, 2.6887],
1032      grad_fn=<Unique2Backward0>)
1033 masks_dr unique: tensor([-2.2015, -2.2011, -2.1929, ..., 2.6711, 2.6752, 2.6887],
1034      grad_fn=<Unique2Backward0>)
1035 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
1036      15.,
1037      16., 17.])
1037 print_dice: 0.3766326606273651, print_iou: 0.23200704157352448
1038 Epoch 0/4: 91%|██████████| 146/160 [24:12<02:20, 10.02s/it]masks_dr unique: tensor([-2.5717
1039      , -2.5557, -2.5365, ..., 2.7043, 2.7095, 2.7288],
1040      grad_fn=<Unique2Backward0>)
1040 masks_dr unique: tensor([-2.5717, -2.5557, -2.5365, ..., 2.7043, 2.7095, 2.7288],
1041      grad_fn=<Unique2Backward0>)
1042 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
1043      15.,
1044      16., 17.])
1044 Epoch 0/4: 92%|██████████| 147/160 [24:22<02:10, 10.07s/it]print_dice: 0.40014275908470154
1045 , print_iou: 0.25011155009269714
1045 masks_dr unique: tensor([-2.2054, -2.1942, -2.1890, ..., 2.9100, 2.9112, 2.9348],
1046      grad_fn=<Unique2Backward0>)
1047 masks_dr unique: tensor([-2.2054, -2.1942, -2.1890, ..., 2.9100, 2.9112, 2.9348],
1048      grad_fn=<Unique2Backward0>)
1049 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 9., 11., 12., 13.,
1050      14.,
1051      15., 16., 17., 18.])
1051 print_dice: 0.39142361283302307, print_iou: 0.24333542585372925
1052 Epoch 0/4: 92%|██████████| 148/160 [24:32<02:00, 10.05s/it]masks_dr unique: tensor([-2.7773
1053      , -2.7510, -2.7507, ..., 2.6319, 2.6321, 2.6497],
1054      grad_fn=<Unique2Backward0>)
1054 masks_dr unique: tensor([-2.7773, -2.7510, -2.7507, ..., 2.6319, 2.6321, 2.6497],
1055      grad_fn=<Unique2Backward0>)
1056 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 9., 11., 12., 13.,
1057      14.,
1058      15., 16., 17., 18., 19.])
1058 Epoch 0/4: 93%|██████████| 149/160 [24:41<01:49, 9.94s/it]print_dice: 0.3926355540752411
1059 , print_iou: 0.2442728877067566
1059 masks_dr unique: tensor([-2.3457, -2.3370, -2.3363, ..., 2.8110, 2.8227, 2.8325],
1060      grad_fn=<Unique2Backward0>)
1061 masks_dr unique: tensor([-2.3457, -2.3370, -2.3363, ..., 2.8110, 2.8227, 2.8325],
1062      grad_fn=<Unique2Backward0>)
1063 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
1064      15.,
1065      16., 17.])
1065 print_dice: 0.35116925835609436, print_iou: 0.21298077702522278
1066 Epoch 0/4: 94%|██████████| 150/160 [24:51<01:39, 9.96s/it]masks_dr unique: tensor([-2.2707
1067      , -2.2536, -2.2457, ..., 3.0965, 3.0973, 3.1206],
1068      grad_fn=<Unique2Backward0>)
1068 masks_dr unique: tensor([-2.2707, -2.2536, -2.2457, ..., 3.0965, 3.0973, 3.1206],
1069      grad_fn=<Unique2Backward0>)
1070 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
1071      15.,
1072      16., 17.])
1072 Epoch 0/4: 94%|██████████| 151/160 [25:02<01:31, 10.17s/it]print_dice: 0.40680575370788574
1073 , print_iou: 0.25533971190452576
1073 masks_dr unique: tensor([-2.5252, -2.5052, -2.5026, ..., 3.0153, 3.0181, 3.0417],
1074      grad_fn=<Unique2Backward0>)
1075 masks_dr unique: tensor([-2.5252, -2.5052, -2.5026, ..., 3.0153, 3.0181, 3.0417],
1076      grad_fn=<Unique2Backward0>)
1077 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,

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1077 15.,
1078     16., 17.])
1079 Epoch 0/4: 95%|██████████| 152/160 [25:12<01:20, 10.06s/it]print_dice: 0.4208049178123474
    , print_iou: 0.26646795868873596
1080 masks_dr unique: tensor([-2.5343, -2.5143, -2.5135, ..., 3.0153, 3.0223, 3.0466],
1081     grad_fn=<Unique2Backward0>)
1082 masks_dr unique: tensor([-2.5343, -2.5143, -2.5135, ..., 3.0153, 3.0223, 3.0466],
1083     grad_fn=<Unique2Backward0>)
1084 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
    15.,
1085     16., 17.])
1086 print_dice: 0.40823468565940857, print_iou: 0.2564666271209717
1087 Epoch 0/4: 96%|██████████| 153/160 [25:22<01:10, 10.03s/it]masks_dr unique: tensor([-2.5462
    , -2.5246, -2.5223, ..., 3.2590, 3.2606, 3.3034],
1088     grad_fn=<Unique2Backward0>)
1089 masks_dr unique: tensor([-2.5462, -2.5246, -2.5223, ..., 3.2590, 3.2606, 3.3034],
1090     grad_fn=<Unique2Backward0>)
1091 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 9., 11., 12., 13.,
    14.,
1092     15., 16., 17., 18.])
1093 print_dice: 0.3847663402557373, print_iou: 0.23821094632148743
1094 Epoch 0/4: 96%|██████████| 154/160 [25:33<01:01, 10.26s/it]masks_dr unique: tensor([-2.3325
    , -2.3217, -2.3153, ..., 2.6861, 2.6892, 2.7069],
1095     grad_fn=<Unique2Backward0>)
1096 masks_dr unique: tensor([-2.3325, -2.3217, -2.3153, ..., 2.6861, 2.6892, 2.7069],
1097     grad_fn=<Unique2Backward0>)
1098 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
    15.,
1099     16., 17.])
1100 Epoch 0/4: 97%|██████████| 155/160 [25:44<00:52, 10.50s/it]print_dice: 0.3900204002857208
    , print_iou: 0.24225175380706787
1101 masks_dr unique: tensor([-2.2894, -2.2750, -2.2714, ..., 3.4430, 3.4498, 3.4818],
1102     grad_fn=<Unique2Backward0>)
1103 masks_dr unique: tensor([-2.2894, -2.2750, -2.2714, ..., 3.4430, 3.4498, 3.4818],
1104     grad_fn=<Unique2Backward0>)
1105 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
    15.,
1106     16., 17.])
1107 print_dice: 0.37180209159851074, print_iou: 0.2283519059419632
1108 Epoch 0/4: 98%|██████████| 156/160 [25:54<00:41, 10.49s/it]masks_dr unique: tensor([-2.4180
    , -2.4022, -2.3986, ..., 3.5320, 3.5388, 3.5719],
1109     grad_fn=<Unique2Backward0>)
1110 masks_dr unique: tensor([-2.4180, -2.4022, -2.3986, ..., 3.5320, 3.5388, 3.5719],
1111     grad_fn=<Unique2Backward0>)
1112 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 9., 11., 12., 13.,
    14.,
1113     15., 16., 17., 18.])
1114 print_dice: 0.41168034076690674, print_iou: 0.2591923773288727
1115 Epoch 0/4: 98%|██████████| 157/160 [26:04<00:31, 10.35s/it]masks_dr unique: tensor([-2.3927
    , -2.3889, -2.3754, ..., 2.6545, 2.6566, 2.6751],
1116     grad_fn=<Unique2Backward0>)
1117 masks_dr unique: tensor([-2.3927, -2.3889, -2.3754, ..., 2.6545, 2.6566, 2.6751],
1118     grad_fn=<Unique2Backward0>)
1119 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 9., 11., 12., 13.,
    14.,
1120     15., 16., 17., 18.])
1121 Epoch 0/4: 99%|██████████| 158/160 [26:14<00:20, 10.18s/it]print_dice: 0.424155592918396
    , print_iou: 0.26916083693504333
1122 masks_dr unique: tensor([-2.4204, -2.4175, -2.4001, ..., 2.6581, 2.6647, 2.7007],
1123     grad_fn=<Unique2Backward0>)
1124 masks_dr unique: tensor([-2.4204, -2.4175, -2.4001, ..., 2.6581, 2.6647, 2.7007],
1125     grad_fn=<Unique2Backward0>)
1126 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 9., 10., 11., 12.,
    13.,
1127     14., 15., 16., 17., 18., 19.])
1128 Epoch 0/4: 99%|██████████| 159/160 [26:24<00:10, 10.02s/it]print_dice: 0.3854565918445587
    , print_iou: 0.23874029517173767
1129 masks_dr unique: tensor([-2.4493, -2.4397, -2.4238, ..., 2.6839, 2.6908, 2.7271],
1130     grad_fn=<Unique2Backward0>)

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1131 masks_dr unique: tensor([-2.4493, -2.4397, -2.4238, ..., 2.6839, 2.6908, 2.7271],
1132       grad_fn=<Unique2Backward0>)
1133 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
1134       15., 16., 17.])
1135 print_dice: 0.4347132742404938, print_iou: 0.2777211666107178
1136 [159/160] eta: 0:00:09 time: 10.1096 data: 0.0031
1137 Epoch 0/4: 100%|██████████| 160/160 [26:35<00:00, 9.97s/it]
1138 Total time: 0:26:35 (9.9706 s / it)
1139 Averaged stats: training_loss: 75.4669 (75.4669) loss_mask: 75.1824 (75.1824) loss_dice: 0
.2845 (0.2845)
1140 Net parameter norm: 1055.1520542879734
1141 Validating...
1142 Valid_dataloader len: 12
1143 0%|██████████| 0/12 [00:00<?, ?it/s]masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique
sigmoid values: tensor([0.0535, 0.0571, 0.0579, ..., 0.9472, 0.9491, 0.9525],
1144       grad_fn=<Unique2Backward0>)
1145 masks_dr unique: tensor([0.0937, 0.0965, 0.0966, ..., 0.9332, 0.9335, 0.9384],
1146       grad_fn=<Unique2Backward0>)
1147 8%|███████| 1/12 [00:12<02:14, 12.23s/it]print_dice: 0.35569143295288086, print_iou: 0
.21631671488285065
1148 [ 0/12] eta: 0:02:26 time: 12.2342 data: 6.2736
1149 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([0.0535, 0.0571
, 0.0579, ..., 0.9471, 0.9492, 0.9523],
1150       grad_fn=<Unique2Backward0>)
1151 masks_dr unique: tensor([0.0937, 0.0965, 0.0966, ..., 0.9333, 0.9337, 0.9385],
1152       grad_fn=<Unique2Backward0>)
1153 17%|███████| 2/12 [00:18<01:27, 8.78s/it]print_dice: 0.4056116044521332, print_iou: 0.
25439950823783875
1154 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([0.0423, 0.0436
, 0.0452, ..., 0.9696, 0.9712, 0.9715],
1155       grad_fn=<Unique2Backward0>)
1156 masks_dr unique: tensor([0.0742, 0.0754, 0.0755, ..., 0.9593, 0.9609, 0.9614],
1157       grad_fn=<Unique2Backward0>)
1158 print_dice: 0.3440828025341034, print_iou: 0.20778986811637878
1159 25%|███████| 3/12 [00:24<01:07, 7.55s/it]masks_dr shape: torch.Size([1, 1, 32, 32, 32
]) unique sigmoid values: tensor([0.0483, 0.0489, 0.0502, ..., 0.9770, 0.9771, 0.9774],
1160       grad_fn=<Unique2Backward0>)
1161 masks_dr unique: tensor([0.0644, 0.0659, 0.0673, ..., 0.9628, 0.9645, 0.9645],
1162       grad_fn=<Unique2Backward0>)
1163 print_dice: 0.35962045192718506, print_iou: 0.2192300260066986
1164 33%|███████| 4/12 [00:31<00:57, 7.13s/it]masks_dr shape: torch.Size([1, 1, 32, 32, 32
]) unique sigmoid values: tensor([0.0443, 0.0454, 0.0483, ..., 0.9755, 0.9764, 0.9770],
1165       grad_fn=<Unique2Backward0>)
1166 masks_dr unique: tensor([0.0816, 0.0840, 0.0850, ..., 0.9681, 0.9682, 0.9707],
1167       grad_fn=<Unique2Backward0>)
1168 42%|███████| 5/12 [00:37<00:46, 6.70s/it]print_dice: 0.3716218173503876, print_iou: 0.
22821591794490814
1169 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([0.0535, 0.0571
, 0.0578, ..., 0.9474, 0.9493, 0.9526],
1170       grad_fn=<Unique2Backward0>)
1171 masks_dr unique: tensor([0.0937, 0.0965, 0.0965, ..., 0.9333, 0.9336, 0.9384],
1172       grad_fn=<Unique2Backward0>)
1173 print_dice: 0.3332800269126892, print_iou: 0.1999616175889969
1174 50%|███████| 6/12 [00:43<00:38, 6.44s/it]masks_dr shape: torch.Size([1, 1, 32, 32, 32
]) unique sigmoid values: tensor([0.0485, 0.0498, 0.0501, ..., 0.9702, 0.9714, 0.9732],
1175       grad_fn=<Unique2Backward0>)
1176 masks_dr unique: tensor([0.0711, 0.0730, 0.0769, ..., 0.9619, 0.9626, 0.9639],
1177       grad_fn=<Unique2Backward0>)
1178 print_dice: 0.30094707012176514, print_iou: 0.17712636291980743
1179 58%|███████| 7/12 [00:49<00:32, 6.41s/it]masks_dr shape: torch.Size([1, 1, 32, 32, 32
]) unique sigmoid values: tensor([0.0535, 0.0571, 0.0579, ..., 0.9473, 0.9496, 0.9526],
1180       grad_fn=<Unique2Backward0>)
1181 masks_dr unique: tensor([0.0937, 0.0965, 0.0966, ..., 0.9332, 0.9336, 0.9384],
1182       grad_fn=<Unique2Backward0>)
1183 print_dice: 0.3685593008995056, print_iou: 0.22591033577919006
1184 67%|███████| 8/12 [00:55<00:24, 6.25s/it]masks_dr shape: torch.Size([1, 1, 32, 32, 32
]) unique sigmoid values: tensor([0.0535, 0.0571, 0.0579, ..., 0.9473, 0.9492, 0.9526],
1185       grad_fn=<Unique2Backward0>)

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1186 masks_dr unique: tensor([0.0955, 0.0955, 0.0973, ..., 0.9347, 0.9355, 0.9357],
1187       grad_fn=<Unique2Backward0>)
1188 print_dice: 0.3777449131011963, print_iou: 0.23285174369812012
1189 75%|███████| 9/12 [01:01<00:18, 6.31s/it]masks_dr shape: torch.Size([1, 1, 32, 32, 32
   ]) unique sigmoid values: tensor([0.0456, 0.0463, 0.0497, ..., 0.9745, 0.9754, 0.9760],
1190       grad_fn=<Unique2Backward0>)
1191 masks_dr unique: tensor([0.0824, 0.0849, 0.0853, ..., 0.9672, 0.9675, 0.9698],
1192       grad_fn=<Unique2Backward0>)
1193 print_dice: 0.3626038432121277, print_iou: 0.2214515060186386
1194 83%|███████| 10/12 [01:07<00:12, 6.15s/it]masks_dr shape: torch.Size([1, 1, 32, 32, 32
   ]) unique sigmoid values: tensor([0.0546, 0.0577, 0.0590, ..., 0.9735, 0.9740, 0.9747],
1195       grad_fn=<Unique2Backward0>)
1196 masks_dr unique: tensor([0.1116, 0.1139, 0.1141, ..., 0.9686, 0.9701, 0.9703],
1197       grad_fn=<Unique2Backward0>)
1198 print_dice: 0.37285807728767395, print_iou: 0.22914908826351166
1199 92%|███████| 11/12 [01:13<00:06, 6.08s/it]masks_dr shape: torch.Size([1, 1, 32, 32, 32
   ]) unique sigmoid values: tensor([0.0457, 0.0498, 0.0514, ..., 0.9764, 0.9765, 0.9777],
1200       grad_fn=<Unique2Backward0>)
1201 masks_dr unique: tensor([0.0897, 0.0922, 0.0928, ..., 0.9729, 0.9729, 0.9750],
1202       grad_fn=<Unique2Backward0>)
1203 print_dice: 0.35876646637916565, print_iou: 0.21859560906887054
1204 100%|███████| 12/12 [01:19<00:00, 6.00s/it] [11/12] eta: 0:00:06    time: 6.6053 data
   : 0.5235
1205 Total time: 0:01:19 (6.6648 s / it)
1206 =====
1207 Averaged stats:
1208 100%|███████| 12/12 [01:19<00:00, 6.66s/it]
1209 Epoch 1/4: 0%|███████| 0/160 [00:00<?, ?it/s]come here save at work_dirs/DrSAM_b
1210 epoch: 1 learning rate: 1e-06
1211 masks_dr unique: tensor([-2.3809, -2.3548, -2.3415, ..., 3.8027, 3.8270, 3.8405],
1212       grad_fn=<Unique2Backward0>)
1213 masks_dr unique: tensor([-2.3809, -2.3548, -2.3415, ..., 3.8027, 3.8270, 3.8405],
1214       grad_fn=<Unique2Backward0>)
1215 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
   15.,
1216       16., 17.])
1217 print_dice: 0.3844205141067505, print_iou: 0.23794588446617126
1218 [ 0/160] eta: 0:40:25    time: 15.1571 data: 5.0490
1219 Epoch 1/4: 1%|███████| 1/160 [00:15<40:09, 15.16s/it]masks_dr unique: tensor([-2.8323
   , -2.8055, -2.8038, ..., 3.5055, 3.5096, 3.5408],
1220       grad_fn=<Unique2Backward0>)
1221 masks_dr unique: tensor([-2.8323, -2.8055, -2.8038, ..., 3.5055, 3.5096, 3.5408],
1222       grad_fn=<Unique2Backward0>)
1223 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 9., 11., 12., 13.,
   14.,
1224       15., 16., 17., 18.])
1225 print_dice: 0.43611785769462585, print_iou: 0.27886873483657837
1226 Epoch 1/4: 1%|███████| 2/160 [00:24<31:31, 11.97s/it]masks_dr unique: tensor([-2.5278
   , -2.5109, -2.5072, ..., 3.6106, 3.6182, 3.6489],
1227       grad_fn=<Unique2Backward0>)
1228 masks_dr unique: tensor([-2.5278, -2.5109, -2.5072, ..., 3.6106, 3.6182, 3.6489],
1229       grad_fn=<Unique2Backward0>)
1230 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
   15.,
1231       16., 17.])
1232 Epoch 1/4: 2%|███████| 3/160 [00:34<28:39, 10.95s/it]print_dice: 0.4468657672405243,
   print_iou: 0.2877187132835388
1233 masks_dr unique: tensor([-2.5069, -2.4868, -2.4791, ..., 2.8159, 2.8194, 2.8526],
1234       grad_fn=<Unique2Backward0>)
1235 masks_dr unique: tensor([-2.5069, -2.4868, -2.4791, ..., 2.8159, 2.8194, 2.8526],
1236       grad_fn=<Unique2Backward0>)
1237 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 9., 11., 12., 13.,
   14.,
1238       15., 16., 17., 18., 19.])
1239 print_dice: 0.4250122308731079, print_iou: 0.2698511481285095
1240 Epoch 1/4: 2%|███████| 4/160 [00:44<27:12, 10.47s/it]masks_dr unique: tensor([-2.8036
   , -2.7792, -2.7786, ..., 3.6342, 3.6392, 3.6750],
1241       grad_fn=<Unique2Backward0>)
1242 masks_dr unique: tensor([-2.8036, -2.7792, -2.7786, ..., 3.6342, 3.6392, 3.6750],

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1243         grad_fn=<Unique2Backward0>)
1244 labels_ori unique: tensor([ 0.,  1.,  2.,  3.,  4.,  5.,  6.,  7.,  8., 11., 12., 13., 14.,
1245         15., 16., 17.])
1246 print_dice: 0.41987377405166626, print_iou: 0.2657216787338257
1247 Epoch 1/4:  3%|█          | 5/160 [00:54<26:31, 10.27s/it]masks_dr unique: tensor([-2.7044
1248         , -2.6974, -2.6877, ...,  3.4145,  3.4214,  3.4535],
1249         grad_fn=<Unique2Backward0>)
1250 masks_dr unique: tensor([-2.7044, -2.6974, -2.6877, ...,  3.4145,  3.4214,  3.4535],
1251         grad_fn=<Unique2Backward0>)
1252 labels_ori unique: tensor([ 0.,  1.,  2.,  3.,  4.,  5.,  6.,  7.,  8., 11., 12., 13., 14.,
1253         15., 16., 17.])
1254 Epoch 1/4:  4%|█          | 6/160 [01:04<26:16, 10.24s/it]print_dice: 0.4409179985523224,
1255         print_iou: 0.2828061580657959
1256 masks_dr unique: tensor([-2.5601, -2.5536, -2.5382, ...,  3.6024,  3.6090,  3.6442],
1257         grad_fn=<Unique2Backward0>)
1258 masks_dr unique: tensor([-2.5601, -2.5536, -2.5382, ...,  3.6024,  3.6090,  3.6442],
1259         grad_fn=<Unique2Backward0>)
1260 labels_ori unique: tensor([ 0.,  1.,  2.,  3.,  4.,  5.,  6.,  7.,  8.,  9., 11., 12., 13.,
1261         14., 15., 16., 17., 18.])
1262 print_dice: 0.3830088675022125, print_iou: 0.23686516284942627
1263 Epoch 1/4:  4%|█          | 7/160 [01:15<27:01, 10.60s/it]masks_dr unique: tensor([-2.5429
1264         , -2.5230, -2.5166, ...,  2.8902,  2.8973,  2.9263],
1265         grad_fn=<Unique2Backward0>)
1266 masks_dr unique: tensor([-2.5429, -2.5230, -2.5166, ...,  2.8902,  2.8973,  2.9263],
1267         grad_fn=<Unique2Backward0>)
1268 labels_ori unique: tensor([ 0.,  1.,  2.,  3.,  4.,  5.,  6.,  7.,  8., 11., 12., 13., 14.,
1269         15., 16., 17.])
1270 print_dice: 0.4016420841217041, print_iou: 0.2512841820716858
1271 Epoch 1/4:  5%|█          | 8/160 [01:26<27:16, 10.77s/it]masks_dr unique: tensor([-2.7712
1272         , -2.7623, -2.7580, ...,  3.5864,  3.5953,  3.6307],
1273         grad_fn=<Unique2Backward0>)
1274 masks_dr unique: tensor([-2.7712, -2.7623, -2.7580, ...,  3.5864,  3.5953,  3.6307],
1275         grad_fn=<Unique2Backward0>)
1276 labels_ori unique: tensor([ 0.,  1.,  2.,  3.,  4.,  5.,  6.,  7.,  8., 11., 12., 13., 14.,
1277         15., 16., 17.])
1278 Epoch 1/4:  6%|█          | 9/160 [01:36<26:16, 10.44s/it]print_dice: 0.35197287797927856
1279         , print_iou: 0.21357226371765137
1280 masks_dr unique: tensor([-2.3052, -2.2884, -2.2796, ...,  3.6298,  3.6322,  3.6666],
1281         grad_fn=<Unique2Backward0>)
1282 masks_dr unique: tensor([-2.3052, -2.2884, -2.2796, ...,  3.6298,  3.6322,  3.6666],
1283         grad_fn=<Unique2Backward0>)
1284 labels_ori unique: tensor([ 0.,  1.,  2.,  3.,  4.,  5.,  6.,  7.,  8., 11., 12., 13., 14.,
1285         15., 16., 17.])
1286 print_dice: 0.4068269431591034, print_iou: 0.25535640120506287
1287 Epoch 1/4:  6%|█          | 10/160 [01:46<25:51, 10.34s/it]masks_dr unique: tensor([-2.9825
1288         , -2.9594, -2.9572, ...,  3.7309,  3.7392,  3.7730],
1289         grad_fn=<Unique2Backward0>)
1290 masks_dr unique: tensor([-2.9825, -2.9594, -2.9572, ...,  3.7309,  3.7392,  3.7730],
1291         grad_fn=<Unique2Backward0>)
1292 labels_ori unique: tensor([ 0.,  1.,  2.,  3.,  4.,  5.,  6.,  7.,  8., 11., 12., 13., 14.,
1293         15., 16., 17.])
1294 Epoch 1/4:  7%|█          | 11/160 [01:56<25:21, 10.21s/it]print_dice: 0.4140841066837311
1295         , print_iou: 0.2611009180545807
1296 masks_dr unique: tensor([-2.5458, -2.5278, -2.5210, ...,  2.9728,  2.9825,  3.0088],
1297         grad_fn=<Unique2Backward0>)
1298 masks_dr unique: tensor([-2.5458, -2.5278, -2.5210, ...,  2.9728,  2.9825,  3.0088],
1299         grad_fn=<Unique2Backward0>)
1300 labels_ori unique: tensor([ 0.,  1.,  2.,  3.,  4.,  5.,  6.,  7.,  8., 11., 12., 13., 14.,
1301         15., 16., 17.])
1302 Epoch 1/4:  8%|█          | 12/160 [02:06<25:06, 10.18s/it]print_dice: 0.4213053584098816
1303         , print_iou: 0.2668694257736206

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1296 masks_dr unique: tensor([-2.6030, -2.5792, -2.5790, ..., 3.7501, 3.7592, 3.7936],
1297         grad_fn=<Unique2Backward0>)
1298 masks_dr unique: tensor([-2.6030, -2.5792, -2.5790, ..., 3.7501, 3.7592, 3.7936],
1299         grad_fn=<Unique2Backward0>)
1300 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 11., 12., 13., 14., 15.,
1301         16., 17.])
1302 Epoch 1/4: 8%|█          | 13/160 [02:17<25:22, 10.36s/it]print_dice: 0.43925121426582336
, print_iou: 0.2814362049102783
1303 masks_dr unique: tensor([-2.5565, -2.5391, -2.5334, ..., 3.0123, 3.0239, 3.0490],
1304         grad_fn=<Unique2Backward0>)
1305 masks_dr unique: tensor([-2.5565, -2.5391, -2.5334, ..., 3.0123, 3.0239, 3.0490],
1306         grad_fn=<Unique2Backward0>)
1307 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
1308         15., 16., 17.])
1309 print_dice: 0.456892728805542, print_iou: 0.2960861623287201
1310 Epoch 1/4: 9%|█          | 14/160 [02:27<24:54, 10.23s/it]masks_dr unique: tensor([-3.0483
, -3.0411, -3.0196, ..., 3.6764, 3.6860, 3.7176],
1311         grad_fn=<Unique2Backward0>)
1312 masks_dr unique: tensor([-3.0483, -3.0411, -3.0196, ..., 3.6764, 3.6860, 3.7176],
1313         grad_fn=<Unique2Backward0>)
1314 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
1315         15., 16., 17.])
1316 Epoch 1/4: 9%|█          | 15/160 [02:37<24:30, 10.14s/it]print_dice: 0.4665599465370178
, print_iou: 0.30425703525543213
1317 masks_dr unique: tensor([-2.5466, -2.5299, -2.5243, ..., 3.0256, 3.0389, 3.0626],
1318         grad_fn=<Unique2Backward0>)
1319 masks_dr unique: tensor([-2.5466, -2.5299, -2.5243, ..., 3.0256, 3.0389, 3.0626],
1320         grad_fn=<Unique2Backward0>)
1321 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
1322         15., 16., 17.])
1323 print_dice: 0.4460683763027191, print_iou: 0.28705790638923645
1324 Epoch 1/4: 10%|█         | 16/160 [02:48<24:55, 10.38s/it]masks_dr unique: tensor([-2.4999
, -2.4967, -2.4897, ..., 3.8138, 3.8247, 3.8548],
1325         grad_fn=<Unique2Backward0>)
1326 masks_dr unique: tensor([-2.4999, -2.4967, -2.4897, ..., 3.8138, 3.8247, 3.8548],
1327         grad_fn=<Unique2Backward0>)
1328 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 9., 11., 12., 13.,
1329         14., 15., 16., 17., 18.])
1330 print_dice: 0.41881534457206726, print_iou: 0.2648744285106659
1331 Epoch 1/4: 11%|█         | 17/160 [02:58<24:45, 10.39s/it]masks_dr unique: tensor([-2.5100
, -2.4942, -2.4887, ..., 3.0332, 3.0481, 3.0707],
1332         grad_fn=<Unique2Backward0>)
1333 masks_dr unique: tensor([-2.5100, -2.4942, -2.4887, ..., 3.0332, 3.0481, 3.0707],
1334         grad_fn=<Unique2Backward0>)
1335 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
1336         15., 16., 17.])
1337 Epoch 1/4: 11%|█         | 18/160 [03:09<24:32, 10.37s/it]print_dice: 0.37390387058258057
, print_iou: 0.22993957996368408
1338 masks_dr unique: tensor([-2.7076, -2.7050, -2.6929, ..., 3.7892, 3.7942, 3.8310],
1339         grad_fn=<Unique2Backward0>)
1340 masks_dr unique: tensor([-2.7076, -2.7050, -2.6929, ..., 3.7892, 3.7942, 3.8310],
1341         grad_fn=<Unique2Backward0>)
1342 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
1343         15., 16., 17.])
1344 print_dice: 0.3861529231071472, print_iou: 0.239274799823761
1345 Epoch 1/4: 12%|█         | 19/160 [03:19<24:21, 10.37s/it]masks_dr unique: tensor([-2.7215
, -2.7094, -2.7041, ..., 3.6092, 3.6184, 3.6536],
1346         grad_fn=<Unique2Backward0>)
1347 masks_dr unique: tensor([-2.7215, -2.7094, -2.7041, ..., 3.6092, 3.6184, 3.6536],
1348         grad_fn=<Unique2Backward0>)
1349 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
15.,

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1350         16., 17.])
1351 print_dice: 0.4384962320327759,   print_iou: 0.28081661462783813
1352 Epoch 1/4: 12%|██          | 20/160 [03:29<23:59, 10.28s/it]masks_dr unique: tensor([-2.5424
, -2.5326, -2.5212, ..., 3.9354, 3.9435, 3.9774],
1353         grad_fn=<Unique2Backward0>)
1354 masks_dr unique: tensor([-2.5424, -2.5326, -2.5212, ..., 3.9354, 3.9435, 3.9774],
1355         grad_fn=<Unique2Backward0>)
1356 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
15.,
1357         16., 17., 18.])
1358 print_dice: 0.423392653465271,   print_iou: 0.2685466706752777
1359 Epoch 1/4: 13%|██          | 21/160 [03:39<23:42, 10.23s/it]masks_dr unique: tensor([-2.4701
, -2.4651, -2.4564, ..., 3.4088, 3.4230, 3.4265],
1360         grad_fn=<Unique2Backward0>)
1361 masks_dr unique: tensor([-2.4701, -2.4651, -2.4564, ..., 3.4088, 3.4230, 3.4265],
1362         grad_fn=<Unique2Backward0>)
1363 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 9., 11., 12., 13.,
14.,
1364         15., 16., 17., 18.])
1365 print_dice: 0.4379686117172241,   print_iou: 0.28038400411605835
1366 Epoch 1/4: 14%|██          | 22/160 [03:49<23:32, 10.24s/it]masks_dr unique: tensor([-2.5423
, -2.5310, -2.5283, ..., 3.5743, 3.5871, 3.6152],
1367         grad_fn=<Unique2Backward0>)
1368 masks_dr unique: tensor([-2.5423, -2.5310, -2.5283, ..., 3.5743, 3.5871, 3.6152],
1369         grad_fn=<Unique2Backward0>)
1370 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
15.,
1371         16., 17.])
1372 Epoch 1/4: 14%|██          | 23/160 [04:00<23:17, 10.20s/it]print_dice: 0.48257988691329956
,   print_iou: 0.3180265426635742
1373 masks_dr unique: tensor([-2.4858, -2.4844, -2.4770, ..., 3.0156, 3.0298, 3.0454],
1374         grad_fn=<Unique2Backward0>)
1375 masks_dr unique: tensor([-2.4858, -2.4844, -2.4770, ..., 3.0156, 3.0298, 3.0454],
1376         grad_fn=<Unique2Backward0>)
1377 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
15.,
1378         16., 17.])
1379 Epoch 1/4: 15%|██          | 24/160 [04:09<22:46, 10.05s/it]print_dice: 0.4130723774433136
,   print_iou: 0.26029691100120544
1380 masks_dr unique: tensor([-2.3896, -2.3742, -2.3740, ..., 3.3964, 3.4089, 3.4338],
1381         grad_fn=<Unique2Backward0>)
1382 masks_dr unique: tensor([-2.3896, -2.3742, -2.3740, ..., 3.3964, 3.4089, 3.4338],
1383         grad_fn=<Unique2Backward0>)
1384 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
15.,
1385         16., 17.])
1386 Epoch 1/4: 16%|██          | 25/160 [04:19<22:35, 10.04s/it]print_dice: 0.4273287057876587
,   print_iou: 0.2717215418815613
1387 masks_dr unique: tensor([-2.6195, -2.5994, -2.5849, ..., 3.2934, 3.3059, 3.3174],
1388         grad_fn=<Unique2Backward0>)
1389 masks_dr unique: tensor([-2.6195, -2.5994, -2.5849, ..., 3.2934, 3.3059, 3.3174],
1390         grad_fn=<Unique2Backward0>)
1391 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
15.,
1392         16., 17.])
1393 print_dice: 0.46352675557136536,   print_iou: 0.3016822934150696
1394 Epoch 1/4: 16%|██          | 26/160 [04:29<22:28, 10.06s/it]masks_dr unique: tensor([-2.1907
, -2.1787, -2.1627, ..., 3.4469, 3.4625, 3.4840],
1395         grad_fn=<Unique2Backward0>)
1396 masks_dr unique: tensor([-2.1907, -2.1787, -2.1627, ..., 3.4469, 3.4625, 3.4840],
1397         grad_fn=<Unique2Backward0>)
1398 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 9., 11., 12., 13.,
14.,
1399         15., 16., 17., 18.])
1400 Epoch 1/4: 17%|██          | 27/160 [04:39<22:15, 10.04s/it]print_dice: 0.41660597920417786
,   print_iou: 0.2631094753742218
1401 masks_dr unique: tensor([-2.8027, -2.7949, -2.7823, ..., 3.4441, 3.4586, 3.4801],
1402         grad_fn=<Unique2Backward0>)
1403 masks_dr unique: tensor([-2.8027, -2.7949, -2.7823, ..., 3.4441, 3.4586, 3.4801],

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1404         grad_fn=<Unique2Backward0>)
1405 labels_ori unique: tensor([ 0.,  1.,  2.,  3.,  4.,  5.,  6.,  7.,  8., 11., 12., 13., 14.,
1406         15.,
1407         16., 17., 18.])
1407 print_dice: 0.44111892580986023, print_iou: 0.28297150135040283
1408 Epoch 1/4: 18%|██          | 28/160 [04:49<22:00, 10.00s/it]masks_dr unique: tensor([-2.9126
1409         , -2.9056, -2.8822, ...,  3.5098,  3.5266,  3.5472],
1410         grad_fn=<Unique2Backward0>)
1410 masks_dr unique: tensor([-2.9126, -2.9056, -2.8822, ...,  3.5098,  3.5266,  3.5472],
1411         grad_fn=<Unique2Backward0>)
1412 labels_ori unique: tensor([ 0.,  1.,  2.,  3.,  4.,  5.,  6.,  7.,  8., 11., 12., 13., 14.,
1413         15.,
1414         16., 17.])
1414 Epoch 1/4: 18%|██          | 29/160 [04:59<21:58, 10.07s/it]print_dice: 0.463413804769516,
1415         print_iou: 0.3015865981578827
1415 masks_dr unique: tensor([-2.5791, -2.5780, -2.5588, ...,  3.0619,  3.0785,  3.0949],
1416         grad_fn=<Unique2Backward0>)
1417 masks_dr unique: tensor([-2.5791, -2.5780, -2.5588, ...,  3.0619,  3.0785,  3.0949],
1418         grad_fn=<Unique2Backward0>)
1419 labels_ori unique: tensor([ 0.,  1.,  2.,  3.,  4.,  5.,  6.,  7.,  8., 11., 12., 13., 14.,
1420         15.,
1421         16., 17.])
1421 Epoch 1/4: 19%|██          | 30/160 [05:10<22:00, 10.16s/it]print_dice: 0.44713294506073,
1422         print_iou: 0.28794026374816895
1422 masks_dr unique: tensor([-2.6117, -2.5908, -2.5780, ...,  3.3045,  3.3069,  3.3125],
1423         grad_fn=<Unique2Backward0>)
1424 masks_dr unique: tensor([-2.6117, -2.5908, -2.5780, ...,  3.3045,  3.3069,  3.3125],
1425         grad_fn=<Unique2Backward0>)
1426 labels_ori unique: tensor([ 0.,  1.,  2.,  3.,  4.,  5.,  6.,  7.,  8.,  9., 11., 12., 13.,
1427         14.,
1428         15., 16., 17., 18.])
1428 Epoch 1/4: 19%|██          | 31/160 [05:20<21:55, 10.20s/it]print_dice: 0.48418474197387695
1429         , print_iou: 0.31942200660705566
1429 masks_dr unique: tensor([-2.6438, -2.6402, -2.6333, ...,  3.5993,  3.5993,  3.6227],
1430         grad_fn=<Unique2Backward0>)
1431 masks_dr unique: tensor([-2.6438, -2.6402, -2.6333, ...,  3.5993,  3.5993,  3.6227],
1432         grad_fn=<Unique2Backward0>)
1433 labels_ori unique: tensor([ 0.,  1.,  2.,  3.,  4.,  5.,  6.,  7.,  8., 11., 12., 13., 14.,
1434         15.,
1435         16., 17., 18.])
1435 Epoch 1/4: 20%|██          | 32/160 [05:30<21:50, 10.23s/it]print_dice: 0.46825528144836426
1436         , print_iou: 0.3057006001472473
1436 masks_dr unique: tensor([-2.5853, -2.5781, -2.5629, ...,  3.0920,  3.1119,  3.1272],
1437         grad_fn=<Unique2Backward0>)
1438 masks_dr unique: tensor([-2.5853, -2.5781, -2.5629, ...,  3.0920,  3.1119,  3.1272],
1439         grad_fn=<Unique2Backward0>)
1440 labels_ori unique: tensor([ 0.,  1.,  2.,  3.,  4.,  5.,  6.,  7.,  8., 11., 12., 13., 14.,
1441         15.,
1442         16., 17.])
1442 print_dice: 0.4989648461341858, print_iou: 0.33241385221481323
1443 Epoch 1/4: 21%|██          | 33/160 [05:41<21:39, 10.23s/it]masks_dr unique: tensor([-3.0176
1444         , -3.0132, -2.9915, ...,  3.8349,  3.8483,  3.8726],
1445         grad_fn=<Unique2Backward0>)
1445 masks_dr unique: tensor([-3.0176, -3.0132, -2.9915, ...,  3.8349,  3.8483,  3.8726],
1446         grad_fn=<Unique2Backward0>)
1447 labels_ori unique: tensor([ 0.,  1.,  2.,  3.,  4.,  5.,  6.,  7.,  8., 11., 12., 13., 14.,
1448         15.,
1449         16., 17., 18.])
1449 print_dice: 0.39205434918403625, print_iou: 0.24382314085960388
1450 Epoch 1/4: 21%|██          | 34/160 [05:51<21:34, 10.28s/it]masks_dr unique: tensor([-2.5630
1451         , -2.5509, -2.5397, ...,  3.1282,  3.1370,  3.1523],
1452         grad_fn=<Unique2Backward0>)
1452 masks_dr unique: tensor([-2.5630, -2.5509, -2.5397, ...,  3.1282,  3.1370,  3.1523],
1453         grad_fn=<Unique2Backward0>)
1454 labels_ori unique: tensor([ 0.,  1.,  2.,  3.,  4.,  5.,  6.,  7.,  8.,  9., 11., 12., 13.,
1455         14.,
1456         15., 16., 17., 18.])
1456 Epoch 1/4: 22%|██          | 35/160 [06:01<21:28, 10.31s/it]print_dice: 0.46227195858955383
1457         , print_iou: 0.30062010884284973

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1457 masks_dr unique: tensor([-2.4788, -2.4686, -2.4671, ..., 3.6746, 3.6974, 3.7044],
1458         grad_fn=<Unique2Backward0>)
1459 masks_dr unique: tensor([-2.4788, -2.4686, -2.4671, ..., 3.6746, 3.6974, 3.7044],
1460         grad_fn=<Unique2Backward0>)
1461 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
1462         15., 16., 17., 18.])
1463 Epoch 1/4: 22%|██████| 36/160 [06:11<21:01, 10.17s/it]print_dice: 0.4107123017311096
, print_iou: 0.25842538475990295
1464 masks_dr unique: tensor([-2.5688, -2.5436, -2.5429, ..., 3.9011, 3.9256, 3.9303],
1465         grad_fn=<Unique2Backward0>)
1466 masks_dr unique: tensor([-2.5688, -2.5436, -2.5429, ..., 3.9011, 3.9256, 3.9303],
1467         grad_fn=<Unique2Backward0>)
1468 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
1469         15., 16., 17.])
1470 print_dice: 0.428673654794693, print_iou: 0.27281007170677185
1471 Epoch 1/4: 23%|██████| 37/160 [06:21<20:46, 10.13s/it]masks_dr unique: tensor([-2.7183
, -2.6998, -2.6973, ..., 3.5907, 3.6137, 3.6219],
1472         grad_fn=<Unique2Backward0>)
1473 masks_dr unique: tensor([-2.7183, -2.6998, -2.6973, ..., 3.5907, 3.6137, 3.6219],
1474         grad_fn=<Unique2Backward0>)
1475 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
1476         15., 16., 17.])
1477 print_dice: 0.42358532547950745, print_iou: 0.2687017023563385
1478 Epoch 1/4: 24%|██████| 38/160 [06:32<20:40, 10.17s/it]masks_dr unique: tensor([-2.5540
, -2.5415, -2.5401, ..., 3.5775, 3.5984, 3.6097],
1479         grad_fn=<Unique2Backward0>)
1480 masks_dr unique: tensor([-2.5540, -2.5415, -2.5401, ..., 3.5775, 3.5984, 3.6097],
1481         grad_fn=<Unique2Backward0>)
1482 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
1483         15., 16., 17.])
1484 Epoch 1/4: 24%|██████| 39/160 [06:42<20:32, 10.19s/it]print_dice: 0.4392586350440979
, print_iou: 0.2814423143863678
1485 masks_dr unique: tensor([-2.5670, -2.5606, -2.5602, ..., 3.1832, 3.1857, 3.2012],
1486         grad_fn=<Unique2Backward0>)
1487 masks_dr unique: tensor([-2.5670, -2.5606, -2.5602, ..., 3.1832, 3.1857, 3.2012],
1488         grad_fn=<Unique2Backward0>)
1489 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
1490         15., 16., 17.])
1491 print_dice: 0.39928385615348816, print_iou: 0.2494407594203949
1492 Epoch 1/4: 25%|██████| 40/160 [06:52<20:23, 10.20s/it]masks_dr unique: tensor([-2.3051
, -2.2976, -2.2820, ..., 3.6866, 3.7079, 3.7149],
1493         grad_fn=<Unique2Backward0>)
1494 masks_dr unique: tensor([-2.3051, -2.2976, -2.2820, ..., 3.6866, 3.7079, 3.7149],
1495         grad_fn=<Unique2Backward0>)
1496 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
1497         15., 16., 17.])
1498 Epoch 1/4: 26%|██████| 41/160 [07:02<20:17, 10.23s/it]print_dice: 0.37070631980895996
, print_iou: 0.22752578556537628
1499 masks_dr unique: tensor([-2.6569, -2.6565, -2.6493, ..., 3.1867, 3.1902, 3.2045],
1500         grad_fn=<Unique2Backward0>)
1501 masks_dr unique: tensor([-2.6569, -2.6565, -2.6493, ..., 3.1867, 3.1902, 3.2045],
1502         grad_fn=<Unique2Backward0>)
1503 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 9., 11., 12., 13.,
1504         14., 15., 16., 17., 18.])
1505 print_dice: 0.4466135501861572, print_iou: 0.28750962018966675
1506 Epoch 1/4: 26%|██████| 42/160 [07:12<19:49, 10.08s/it]masks_dr unique: tensor([-2.5936
, -2.5872, -2.5865, ..., 3.9836, 4.0114, 4.0160],
1507         grad_fn=<Unique2Backward0>)
1508 masks_dr unique: tensor([-2.5936, -2.5872, -2.5865, ..., 3.9836, 4.0114, 4.0160],
1509         grad_fn=<Unique2Backward0>)
1510 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
1511         15., 16., 17., 18.])

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1511         16., 17., 18.])
1512 print_dice: 0.4145822823047638, print_iou: 0.2614971995353699
1513 Epoch 1/4: 27%|██████| 43/160 [07:22<19:27, 9.98s/it]masks_dr unique: tensor([-2.7552
, -2.7543, -2.7449, ..., 3.2079, 3.2096, 3.2228],
1514         grad_fn=<Unique2Backward0>)
1515 masks_dr unique: tensor([-2.7552, -2.7543, -2.7449, ..., 3.2079, 3.2096, 3.2228],
1516         grad_fn=<Unique2Backward0>)
1517 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 9., 11., 12., 13.,
14.,
1518         15., 16., 17., 18.])
1519 print_dice: 0.4457937777042389, print_iou: 0.2868305444717407
1520 Epoch 1/4: 28%|██████| 44/160 [07:32<19:25, 10.05s/it]masks_dr unique: tensor([-2.7985
, -2.7967, -2.7874, ..., 3.2180, 3.2190, 3.2322],
1521         grad_fn=<Unique2Backward0>)
1522 masks_dr unique: tensor([-2.7985, -2.7967, -2.7874, ..., 3.2180, 3.2190, 3.2322],
1523         grad_fn=<Unique2Backward0>)
1524 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
15.,
1525         16., 17., 18.])
1526 Epoch 1/4: 28%|██████| 45/160 [07:42<19:06, 9.97s/it]print_dice: 0.39202064275741577
, print_iou: 0.24379704892635345
1527 masks_dr unique: tensor([-3.0559, -3.0533, -3.0410, ..., 3.7683, 3.7703, 3.7785],
1528         grad_fn=<Unique2Backward0>)
1529 masks_dr unique: tensor([-3.0559, -3.0533, -3.0410, ..., 3.7683, 3.7703, 3.7785],
1530         grad_fn=<Unique2Backward0>)
1531 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
15.,
1532         16., 17.])
1533 Epoch 1/4: 29%|██████| 46/160 [07:52<18:56, 9.97s/it]print_dice: 0.41356146335601807
, print_iou: 0.2606854736804962
1534 masks_dr unique: tensor([-3.2223, -3.2220, -3.2069, ..., 4.0261, 4.0347, 4.0364],
1535         grad_fn=<Unique2Backward0>)
1536 masks_dr unique: tensor([-3.2223, -3.2220, -3.2069, ..., 4.0261, 4.0347, 4.0364],
1537         grad_fn=<Unique2Backward0>)
1538 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
15.,
1539         16., 17., 18.])
1540 Epoch 1/4: 29%|██████| 47/160 [08:02<18:42, 9.94s/it]print_dice: 0.432900995016098,
print_iou: 0.27624353766441345
1541 masks_dr unique: tensor([-2.9080, -2.9039, -2.8958, ..., 3.2328, 3.2418, 3.2449],
1542         grad_fn=<Unique2Backward0>)
1543 masks_dr unique: tensor([-2.9080, -2.9039, -2.8958, ..., 3.2328, 3.2418, 3.2449],
1544         grad_fn=<Unique2Backward0>)
1545 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 9., 11., 12., 13.,
14.,
1546         15., 16., 17., 18.])
1547 Epoch 1/4: 30%|██████| 48/160 [08:11<18:21, 9.84s/it]print_dice: 0.40549999475479126
, print_iou: 0.2543116807937622
1548 masks_dr unique: tensor([-2.9689, -2.9637, -2.9541, ..., 3.8936, 3.9166, 3.9388],
1549         grad_fn=<Unique2Backward0>)
1550 masks_dr unique: tensor([-2.9689, -2.9637, -2.9541, ..., 3.8936, 3.9166, 3.9388],
1551         grad_fn=<Unique2Backward0>)
1552 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
15.,
1553         16., 17.])
1554 print_dice: 0.4807608127593994, print_iou: 0.3164484202861786
1555 Epoch 1/4: 31%|██████| 49/160 [08:21<18:09, 9.81s/it]masks_dr unique: tensor([-2.9515
, -2.9482, -2.9298, ..., 3.7373, 3.7539, 3.7563],
1556         grad_fn=<Unique2Backward0>)
1557 masks_dr unique: tensor([-2.9515, -2.9482, -2.9298, ..., 3.7373, 3.7539, 3.7563],
1558         grad_fn=<Unique2Backward0>)
1559 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
15.,
1560         16., 17.])
1561 Epoch 1/4: 31%|██████| 50/160 [08:31<18:01, 9.83s/it]print_dice: 0.4340686500072479
, print_iou: 0.27719518542289734
1562 masks_dr unique: tensor([-2.3185, -2.3120, -2.2996, ..., 3.9197, 3.9473, 3.9517],
1563         grad_fn=<Unique2Backward0>)
1564 masks_dr unique: tensor([-2.3185, -2.3120, -2.2996, ..., 3.9197, 3.9473, 3.9517],

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1565         grad_fn=<Unique2Backward0>)
1566 labels_ori unique: tensor([ 0.,  1.,  2.,  3.,  4.,  5.,  6.,  7.,  8., 11., 12., 13., 14.,
1567         15.,
1568         16., 17.])
1568 print_dice: 0.4304429590702057, print_iou: 0.27424487471580505
1569 Epoch 1/4: 32%|██████| 51/160 [08:41<18:09, 10.00s/it]masks_dr unique: tensor([-2.9505
1570         , -2.9458, -2.9420, ..., 3.2704, 3.2809, 3.2813],
1571         grad_fn=<Unique2Backward0>)
1571 masks_dr unique: tensor([-2.9505, -2.9458, -2.9420, ..., 3.2704, 3.2809, 3.2813],
1572         grad_fn=<Unique2Backward0>)
1573 labels_ori unique: tensor([ 0.,  1.,  2.,  3.,  4.,  5.,  6.,  7.,  8., 11., 12., 13., 14.,
1574         15.,
1575         16., 17., 18.])
1575 print_dice: 0.4908422827720642, print_iou: 0.3252425193786621
1576 Epoch 1/4: 32%|██████| 52/160 [08:52<18:12, 10.12s/it]masks_dr unique: tensor([-2.7409
1577         , -2.7288, -2.7156, ..., 3.8247, 3.8546, 3.8595],
1578         grad_fn=<Unique2Backward0>)
1578 masks_dr unique: tensor([-2.7409, -2.7288, -2.7156, ..., 3.8247, 3.8546, 3.8595],
1579         grad_fn=<Unique2Backward0>)
1580 labels_ori unique: tensor([ 0.,  1.,  2.,  3.,  4.,  5.,  6.,  7.,  8., 11., 12., 13., 14.,
1581         15.,
1582         16., 17.])
1582 print_dice: 0.41051360964775085, print_iou: 0.2582680881023407
1583 Epoch 1/4: 33%|██████| 53/160 [09:02<18:12, 10.21s/it]masks_dr unique: tensor([-3.1676
1584         , -3.1566, -3.1481, ..., 3.8849, 3.9112, 3.9262],
1585         grad_fn=<Unique2Backward0>)
1585 masks_dr unique: tensor([-3.1676, -3.1566, -3.1481, ..., 3.8849, 3.9112, 3.9262],
1586         grad_fn=<Unique2Backward0>)
1587 labels_ori unique: tensor([ 0.,  1.,  2.,  3.,  4.,  5.,  6.,  7.,  8.,  9., 11., 12., 13.,
1588         14.,
1589         15., 16., 17., 18.])
1589 print_dice: 0.430896520614624, print_iou: 0.2746131718158722
1590 Epoch 1/4: 34%|██████| 54/160 [09:12<18:02, 10.21s/it]masks_dr unique: tensor([-2.9813
1591         , -2.9756, -2.9755, ..., 3.2915, 3.2973, 3.3066],
1592         grad_fn=<Unique2Backward0>)
1592 masks_dr unique: tensor([-2.9813, -2.9756, -2.9755, ..., 3.2915, 3.2973, 3.3066],
1593         grad_fn=<Unique2Backward0>)
1594 labels_ori unique: tensor([ 0.,  1.,  2.,  3.,  4.,  5.,  6.,  7.,  8., 11., 12., 13., 14.,
1595         15.,
1596         16., 17., 18.])
1596 print_dice: 0.43918749690055847, print_iou: 0.2813839018344879
1597 Epoch 1/4: 34%|██████| 55/160 [09:22<17:44, 10.14s/it]masks_dr unique: tensor([-2.9570
1598         , -2.9558, -2.9523, ..., 4.1358, 4.1674, 4.1736],
1599         grad_fn=<Unique2Backward0>)
1599 masks_dr unique: tensor([-2.9570, -2.9558, -2.9523, ..., 4.1358, 4.1674, 4.1736],
1600         grad_fn=<Unique2Backward0>)
1601 labels_ori unique: tensor([ 0.,  1.,  2.,  3.,  4.,  5.,  6.,  7.,  8.,  9., 11., 12., 13.,
1602         14.,
1603         15., 16., 17., 18.])
1603 print_dice: 0.4708615243434906, print_iou: 0.3079259991645813
1604 Epoch 1/4: 35%|██████| 56/160 [09:32<17:35, 10.15s/it]masks_dr unique: tensor([-2.9860
1605         , -2.9805, -2.9783, ..., 3.2814, 3.2929, 3.3075],
1606         grad_fn=<Unique2Backward0>)
1606 masks_dr unique: tensor([-2.9860, -2.9805, -2.9783, ..., 3.2814, 3.2929, 3.3075],
1607         grad_fn=<Unique2Backward0>)
1608 labels_ori unique: tensor([ 0.,  1.,  2.,  3.,  4.,  5.,  6.,  7.,  8., 11., 12., 13., 14.,
1609         15.,
1610         16., 17., 18.])
1610 Epoch 1/4: 36%|██████| 57/160 [09:43<17:27, 10.17s/it]print_dice: 0.433368980884552,
1611         print_iou: 0.27662479877471924
1611 masks_dr unique: tensor([-2.9644, -2.9438, -2.9327, ..., 4.1510, 4.1528, 4.1561],
1612         grad_fn=<Unique2Backward0>)
1613 masks_dr unique: tensor([-2.9644, -2.9438, -2.9327, ..., 4.1510, 4.1528, 4.1561],
1614         grad_fn=<Unique2Backward0>)
1615 labels_ori unique: tensor([ 0.,  1.,  2.,  3.,  4.,  5.,  6.,  7.,  8., 11., 12., 13., 14.,
1616         15.,
1617         16., 17.])
1617 Epoch 1/4: 36%|██████| 58/160 [09:53<17:11, 10.12s/it]print_dice: 0.4524793028831482
1618         , print_iou: 0.292389839887619

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1618 masks_dr unique: tensor([-3.0889, -3.0645, -3.0631, ..., 3.9610, 3.9952, 4.0103],
1619         grad_fn=<Unique2Backward0>)
1620 masks_dr unique: tensor([-3.0889, -3.0645, -3.0631, ..., 3.9610, 3.9952, 4.0103],
1621         grad_fn=<Unique2Backward0>)
1622 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
1623         15.,
1624         16., 17.])
1624 Epoch 1/4: 37%|██████| 59/160 [10:03<16:56, 10.07s/it]print_dice: 0.40163421630859375
1625 masks_dr unique: tensor([-2.9723, -2.9612, -2.9484, ..., 3.8213, 3.8492, 3.8534],
1626         grad_fn=<Unique2Backward0>)
1627 masks_dr unique: tensor([-2.9723, -2.9612, -2.9484, ..., 3.8213, 3.8492, 3.8534],
1628         grad_fn=<Unique2Backward0>)
1629 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
1630         15.,
1631         16., 17.])
1631 print_dice: 0.42653387784957886, print_iou: 0.2710791528224945
1632 Epoch 1/4: 38%|██████| 60/160 [10:12<16:38, 9.98s/it]masks_dr unique: tensor([-2.9819
1633         -2.9766, -2.9699, ..., 3.3381, 3.3443, 3.3505],
1634         grad_fn=<Unique2Backward0>)
1634 masks_dr unique: tensor([-2.9819, -2.9766, -2.9699, ..., 3.3381, 3.3443, 3.3505],
1635         grad_fn=<Unique2Backward0>)
1636 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
1637         15.,
1638         16., 17.])
1638 Epoch 1/4: 38%|██████| 61/160 [10:22<16:19, 9.90s/it]print_dice: 0.4626370668411255
1639 masks_dr unique: tensor([-2.7311, -2.7214, -2.7187, ..., 3.7398, 3.7645, 3.7689],
1640         grad_fn=<Unique2Backward0>)
1641 masks_dr unique: tensor([-2.7311, -2.7214, -2.7187, ..., 3.7398, 3.7645, 3.7689],
1642         grad_fn=<Unique2Backward0>)
1643 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 9., 11., 12., 13.,
1644         14.,
1645         15., 16., 17., 18.])
1645 print_dice: 0.4638682007789612, print_iou: 0.3019716143608093
1646 Epoch 1/4: 39%|██████| 62/160 [10:32<16:08, 9.88s/it]masks_dr unique: tensor([-2.9815
1647         -2.9753, -2.9676, ..., 3.3637, 3.3662, 3.3696],
1648         grad_fn=<Unique2Backward0>)
1648 masks_dr unique: tensor([-2.9815, -2.9753, -2.9676, ..., 3.3637, 3.3662, 3.3696],
1649         grad_fn=<Unique2Backward0>)
1650 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
1651         15.,
1652         16., 17., 18.])
1652 Epoch 1/4: 39%|██████| 63/160 [10:42<15:51, 9.81s/it]print_dice: 0.44693079590797424
1653 masks_dr unique: tensor([-2.9774, -2.9698, -2.9628, ..., 3.3728, 3.3769, 3.3826],
1654         grad_fn=<Unique2Backward0>)
1655 masks_dr unique: tensor([-2.9774, -2.9698, -2.9628, ..., 3.3728, 3.3769, 3.3826],
1656         grad_fn=<Unique2Backward0>)
1657 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
1658         15.,
1659         16., 17.])
1659 print_dice: 0.483757346868515, print_iou: 0.3190500736236572
1660 Epoch 1/4: 40%|██████| 64/160 [10:51<15:36, 9.76s/it]masks_dr unique: tensor([-2.8079
1661         -2.7855, -2.7641, ..., 3.8230, 3.8455, 3.8497],
1662         grad_fn=<Unique2Backward0>)
1662 masks_dr unique: tensor([-2.8079, -2.7855, -2.7641, ..., 3.8230, 3.8455, 3.8497],
1663         grad_fn=<Unique2Backward0>)
1664 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
1665         15.,
1666         16., 17.])
1666 Epoch 1/4: 41%|██████| 65/160 [11:01<15:28, 9.78s/it]print_dice: 0.43729832768440247
1667 masks_dr unique: tensor([-2.9859, -2.9762, -2.9689, ..., 3.3853, 3.3883, 3.3934],
1668         grad_fn=<Unique2Backward0>)
1669 masks_dr unique: tensor([-2.9859, -2.9762, -2.9689, ..., 3.3853, 3.3883, 3.3934],
1670         grad_fn=<Unique2Backward0>)
1671 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
1672         15.,

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1672         16., 17.])
1673 print_dice: 0.4272407591342926, print_iou: 0.27165043354034424
1674 Epoch 1/4: 41%|██████| 66/160 [11:11<15:29, 9.89s/it]masks_dr unique: tensor([-2.7652
, -2.7436, -2.7395, ..., 3.9390, 3.9427, 3.9476],
1675         grad_fn=<Unique2Backward0>)
1676 masks_dr unique: tensor([-2.7652, -2.7436, -2.7395, ..., 3.9390, 3.9427, 3.9476],
1677         grad_fn=<Unique2Backward0>)
1678 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
15.,
1679         16., 17.])
1680 print_dice: 0.43705087900161743, print_iou: 0.27963218092918396
1681 Epoch 1/4: 42%|██████| 67/160 [11:21<15:26, 9.96s/it]masks_dr unique: tensor([-2.7954
, -2.7752, -2.7492, ..., 3.8274, 3.8289, 3.8353],
1682         grad_fn=<Unique2Backward0>)
1683 masks_dr unique: tensor([-2.7954, -2.7752, -2.7492, ..., 3.8274, 3.8289, 3.8353],
1684         grad_fn=<Unique2Backward0>)
1685 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 9., 11., 12., 13.,
14.,
1686         15., 16., 17., 18.])
1687 Epoch 1/4: 42%|██████| 68/160 [11:31<15:19, 10.00s/it]print_dice: 0.41493532061576843
, print_iou: 0.2617781460285187
1688 masks_dr unique: tensor([-3.0006, -2.9892, -2.9814, ..., 3.4131, 3.4327, 3.4380],
1689         grad_fn=<Unique2Backward0>)
1690 masks_dr unique: tensor([-3.0006, -2.9892, -2.9814, ..., 3.4131, 3.4327, 3.4380],
1691         grad_fn=<Unique2Backward0>)
1692 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
15.,
1693         16., 17.])
1694 Epoch 1/4: 43%|██████| 69/160 [11:42<15:14, 10.04s/it]print_dice: 0.4352484941482544
, print_iou: 0.2781582176685333
1695 masks_dr unique: tensor([-2.6331, -2.6202, -2.5910, ..., 3.9564, 3.9795, 3.9868],
1696         grad_fn=<Unique2Backward0>)
1697 masks_dr unique: tensor([-2.6331, -2.6202, -2.5910, ..., 3.9564, 3.9795, 3.9868],
1698         grad_fn=<Unique2Backward0>)
1699 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
15.,
1700         16., 17.])
1701 print_dice: 0.42777615785598755, print_iou: 0.27208349108695984
1702 Epoch 1/4: 44%|██████| 70/160 [11:52<15:07, 10.09s/it]masks_dr unique: tensor([-3.1743
, -3.1545, -3.1444, ..., 3.9411, 3.9505, 3.9590],
1703         grad_fn=<Unique2Backward0>)
1704 masks_dr unique: tensor([-3.1743, -3.1545, -3.1444, ..., 3.9411, 3.9505, 3.9590],
1705         grad_fn=<Unique2Backward0>)
1706 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 9., 11., 12., 13.,
14.,
1707         15., 16., 17., 18.])
1708 Epoch 1/4: 44%|██████| 71/160 [12:02<15:03, 10.16s/it]print_dice: 0.45939430594444275
, print_iou: 0.298190712928772
1709 masks_dr unique: tensor([-3.0308, -3.0205, -3.0110, ..., 3.4308, 3.4479, 3.4510],
1710         grad_fn=<Unique2Backward0>)
1711 masks_dr unique: tensor([-3.0308, -3.0205, -3.0110, ..., 3.4308, 3.4479, 3.4510],
1712         grad_fn=<Unique2Backward0>)
1713 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 9., 11., 12., 13.,
14.,
1714         15., 16., 17., 18.])
1715 print_dice: 0.447316974401474, print_iou: 0.2880929112434387
1716 Epoch 1/4: 45%|██████| 72/160 [12:12<14:55, 10.18s/it]masks_dr unique: tensor([-3.0378
, -3.0284, -3.0185, ..., 3.4326, 3.4489, 3.4515],
1717         grad_fn=<Unique2Backward0>)
1718 masks_dr unique: tensor([-3.0378, -3.0284, -3.0185, ..., 3.4326, 3.4489, 3.4515],
1719         grad_fn=<Unique2Backward0>)
1720 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
15.,
1721         16., 17., 18.])
1722 print_dice: 0.5033906698226929, print_iou: 0.3363540768623352
1723 Epoch 1/4: 46%|██████| 73/160 [12:23<14:49, 10.23s/it]masks_dr unique: tensor([-3.0692
, -3.0471, -3.0436, ..., 4.2007, 4.2221, 4.2244],
1724         grad_fn=<Unique2Backward0>)
1725 masks_dr unique: tensor([-3.0692, -3.0471, -3.0436, ..., 4.2007, 4.2221, 4.2244],

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1726         grad_fn=<Unique2Backward0>)
1727 labels_ori unique: tensor([ 0.,  1.,  2.,  3.,  4.,  5.,  6.,  7.,  8., 11., 12., 13., 14.,
1728         15., 16., 17.])
1729 Epoch 1/4: 46%|██████| 74/160 [12:33<14:36, 10.19s/it]print_dice: 0.4775581657886505
, print_iou: 0.3136790692806244
1730 masks_dr unique: tensor([-2.6762, -2.6527, -2.6515, ..., 3.5491, 3.5728, 3.5798],
1731         grad_fn=<Unique2Backward0>)
1732 masks_dr unique: tensor([-2.6762, -2.6527, -2.6515, ..., 3.5491, 3.5728, 3.5798],
1733         grad_fn=<Unique2Backward0>)
1734 labels_ori unique: tensor([ 0.,  1.,  2.,  3.,  4.,  5.,  6.,  7.,  8., 11., 12., 13., 14.,
1735         15., 16., 17.])
1736 Epoch 1/4: 47%|██████| 75/160 [12:43<14:27, 10.20s/it]print_dice: 0.42187434434890747
, print_iou: 0.2673262059688568
1737 masks_dr unique: tensor([-3.0674, -3.0612, -3.0605, ..., 3.4501, 3.4642, 3.4644],
1738         grad_fn=<Unique2Backward0>)
1739 masks_dr unique: tensor([-3.0674, -3.0612, -3.0605, ..., 3.4501, 3.4642, 3.4644],
1740         grad_fn=<Unique2Backward0>)
1741 labels_ori unique: tensor([ 0.,  1.,  2.,  3.,  4.,  5.,  6.,  7.,  8.,  9., 11., 12., 13.,
1742         14., 15., 16., 17., 18.])
1743 print_dice: 0.42739224433898926, print_iou: 0.27177295088768005
1744 Epoch 1/4: 48%|██████| 76/160 [12:53<14:16, 10.20s/it]masks_dr unique: tensor([-3.1617
, -3.1458, -3.1375, ..., 4.2954, 4.3187, 4.3215],
1745         grad_fn=<Unique2Backward0>)
1746 masks_dr unique: tensor([-3.1617, -3.1458, -3.1375, ..., 4.2954, 4.3187, 4.3215],
1747         grad_fn=<Unique2Backward0>)
1748 labels_ori unique: tensor([ 0.,  1.,  2.,  3.,  4.,  5.,  6.,  7.,  8., 11., 12., 13., 14.,
1749         15., 16., 17.])
1750 print_dice: 0.40478336811065674, print_iou: 0.25374820828437805
1751 Epoch 1/4: 48%|██████| 77/160 [13:03<14:08, 10.22s/it]masks_dr unique: tensor([-3.2672
, -3.2431, -3.2247, ..., 3.5610, 3.5771, 3.5780],
1752         grad_fn=<Unique2Backward0>)
1753 masks_dr unique: tensor([-3.2672, -3.2431, -3.2247, ..., 3.5610, 3.5771, 3.5780],
1754         grad_fn=<Unique2Backward0>)
1755 labels_ori unique: tensor([ 0.,  1.,  2.,  3.,  4.,  5.,  6.,  7.,  8., 11., 12., 13., 14.,
1756         15., 16., 17.])
1757 Epoch 1/4: 49%|██████| 78/160 [13:14<14:01, 10.26s/it]print_dice: 0.4265122711658478
, print_iou: 0.2710617184638977
1758 masks_dr unique: tensor([-3.0950, -3.0822, -3.0690, ..., 3.4565, 3.4686, 3.4695],
1759         grad_fn=<Unique2Backward0>)
1760 masks_dr unique: tensor([-3.0950, -3.0822, -3.0690, ..., 3.4565, 3.4686, 3.4695],
1761         grad_fn=<Unique2Backward0>)
1762 labels_ori unique: tensor([ 0.,  1.,  2.,  3.,  4.,  5.,  6.,  7.,  8., 11., 12., 13., 14.,
1763         15., 16., 17.])
1764 Epoch 1/4: 49%|██████| 79/160 [13:24<13:55, 10.31s/it]print_dice: 0.4433179199695587
, print_iou: 0.28478384017944336
1765 masks_dr unique: tensor([-3.0694, -3.0639, -3.0530, ..., 4.2966, 4.3227, 4.3270],
1766         grad_fn=<Unique2Backward0>)
1767 masks_dr unique: tensor([-3.0694, -3.0639, -3.0530, ..., 4.2966, 4.3227, 4.3270],
1768         grad_fn=<Unique2Backward0>)
1769 labels_ori unique: tensor([ 0.,  1.,  2.,  3.,  4.,  5.,  6.,  7.,  8., 11., 12., 13., 14.,
1770         15., 16., 17.])
1771 print_dice: 0.4223089814186096, print_iou: 0.26767534017562866
1772 Epoch 1/4: 50%|██████| 80/160 [13:34<13:37, 10.22s/it]masks_dr unique: tensor([-3.0363
, -3.0262, -3.0185, ..., 3.4765, 3.4892, 3.4897],
1773         grad_fn=<Unique2Backward0>)
1774 masks_dr unique: tensor([-3.0363, -3.0262, -3.0185, ..., 3.4765, 3.4892, 3.4897],
1775         grad_fn=<Unique2Backward0>)
1776 labels_ori unique: tensor([ 0.,  1.,  2.,  3.,  4.,  5.,  6.,  7.,  8., 11., 12., 13., 14.,
1777         15., 16., 17.])
1778 print_dice: 0.377494752407074, print_iou: 0.2326616644859314
1779 Epoch 1/4: 51%|██████| 81/160 [13:44<13:15, 10.06s/it]masks_dr unique: tensor([-2.8575

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1779 , -2.8434, -2.8171, ..., 3.9757, 3.9967, 4.0011],
1780     grad_fn=<Unique2Backward0>)
1781 masks_dr unique: tensor([-2.8575, -2.8434, -2.8171, ..., 3.9757, 3.9967, 4.0011],
1782     grad_fn=<Unique2Backward0>)
1783 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 11., 12., 13., 14., 15.,
1784     16.])
1784 Epoch 1/4: 51%|███████| 82/160 [13:54<12:58, 9.98s/it]print_dice: 0.4592866003513336
1785     , print_iou: 0.29809996485710144
1785 masks_dr unique: tensor([-3.2177, -3.2000, -3.1997, ..., 4.2307, 4.2517, 4.2599],
1786     grad_fn=<Unique2Backward0>)
1787 masks_dr unique: tensor([-3.2177, -3.2000, -3.1997, ..., 4.2307, 4.2517, 4.2599],
1788     grad_fn=<Unique2Backward0>)
1789 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 9., 10., 11., 12.,
1790     13.,
1790     14., 15., 16., 17., 18., 19.])
1791 Epoch 1/4: 52%|███████| 83/160 [14:04<12:50, 10.00s/it]print_dice: 0.4697117507457733
1792     , print_iou: 0.30694329738616943
1792 masks_dr unique: tensor([-3.3115, -3.3065, -3.3026, ..., 3.9656, 3.9691, 3.9734],
1793     grad_fn=<Unique2Backward0>)
1794 masks_dr unique: tensor([-3.3115, -3.3065, -3.3026, ..., 3.9656, 3.9691, 3.9734],
1795     grad_fn=<Unique2Backward0>)
1796 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
1797     15.,
1797     16., 17., 18.])
1798 print_dice: 0.454946368932724, print_iou: 0.2944534420967102
1799 Epoch 1/4: 52%|███████| 84/160 [14:14<12:41, 10.02s/it]masks_dr unique: tensor([-2.9655
1800     , -2.9564, -2.9282, ..., 4.1199, 4.1471, 4.1564],
1801     grad_fn=<Unique2Backward0>)
1801 masks_dr unique: tensor([-2.9655, -2.9564, -2.9282, ..., 4.1199, 4.1471, 4.1564],
1802     grad_fn=<Unique2Backward0>)
1803 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
1804     15.,
1804     16., 17.])
1805 Epoch 1/4: 53%|███████| 85/160 [14:24<12:24, 9.93s/it]print_dice: 0.46362411975860596
1806     , print_iou: 0.30176475644111633
1806 masks_dr unique: tensor([-3.0061, -2.9957, -2.9631, ..., 3.5505, 3.5641, 3.5668],
1807     grad_fn=<Unique2Backward0>)
1808 masks_dr unique: tensor([-3.0061, -2.9957, -2.9631, ..., 3.5505, 3.5641, 3.5668],
1809     grad_fn=<Unique2Backward0>)
1810 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
1811     15.,
1811     16., 17.])
1812 Epoch 1/4: 54%|███████| 86/160 [14:33<12:12, 9.90s/it]print_dice: 0.44181007146835327
1813     , print_iou: 0.2835405766963959
1813 masks_dr unique: tensor([-2.9486, -2.9467, -2.9298, ..., 3.4652, 3.4771, 3.4779],
1814     grad_fn=<Unique2Backward0>)
1815 masks_dr unique: tensor([-2.9486, -2.9467, -2.9298, ..., 3.4652, 3.4771, 3.4779],
1816     grad_fn=<Unique2Backward0>)
1817 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
1818     15.,
1818     16., 17.])
1819 Epoch 1/4: 54%|███████| 87/160 [14:43<12:05, 9.94s/it]print_dice: 0.46052560210227966
1820     , print_iou: 0.2991447150707245
1820 masks_dr unique: tensor([-3.1708, -3.1614, -3.1276, ..., 4.0956, 4.0985, 4.0999],
1821     grad_fn=<Unique2Backward0>)
1822 masks_dr unique: tensor([-3.1708, -3.1614, -3.1276, ..., 4.0956, 4.0985, 4.0999],
1823     grad_fn=<Unique2Backward0>)
1824 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
1825     15.,
1825     16., 17.])
1826 print_dice: 0.4529237151145935, print_iou: 0.29276105761528015
1827 Epoch 1/4: 55%|███████| 88/160 [14:53<11:55, 9.94s/it]masks_dr unique: tensor([-2.9338
1828     , -2.9334, -2.9305, ..., 3.4453, 3.4474, 3.4538],
1829     grad_fn=<Unique2Backward0>)
1829 masks_dr unique: tensor([-2.9338, -2.9334, -2.9305, ..., 3.4453, 3.4474, 3.4538],
1830     grad_fn=<Unique2Backward0>)
1831 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
1832     15.,
1832     16., 17.])

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1833 print_dice: 0.4138012230396271, print_iou: 0.26087599992752075
1834 Epoch 1/4: 56%|███████| 89/160 [15:04<11:53, 10.05s/it]masks_dr unique: tensor([-3.1809
, -3.1673, -3.1353, ..., 4.0705, 4.0723, 4.0806],
1835 grad_fn=<Unique2Backward0>)
1836 masks_dr unique: tensor([-3.1809, -3.1673, -3.1353, ..., 4.0705, 4.0723, 4.0806],
1837 grad_fn=<Unique2Backward0>)
1838 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
15.,
1839 16., 17.])
1840 print_dice: 0.48483189940452576, print_iou: 0.3199855387210846
1841 Epoch 1/4: 56%|███████| 90/160 [15:14<11:45, 10.07s/it]masks_dr unique: tensor([-2.9256
, -2.9251, -2.9227, ..., 3.4238, 3.4442, 3.4521],
1842 grad_fn=<Unique2Backward0>)
1843 masks_dr unique: tensor([-2.9256, -2.9251, -2.9227, ..., 3.4238, 3.4442, 3.4521],
1844 grad_fn=<Unique2Backward0>)
1845 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 11., 12., 13., 14., 15.,
16.])
1846 Epoch 1/4: 57%|███████| 91/160 [15:24<11:30, 10.00s/it]print_dice: 0.45511913299560547
, print_iou: 0.29459822177886963
1847 masks_dr unique: tensor([-2.9215, -2.9210, -2.9182, ..., 3.4125, 3.4330, 3.4417],
1848 grad_fn=<Unique2Backward0>)
1849 masks_dr unique: tensor([-2.9215, -2.9210, -2.9182, ..., 3.4125, 3.4330, 3.4417],
1850 grad_fn=<Unique2Backward0>)
1851 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
15.,
1852 16., 17., 18.])
1853 print_dice: 0.472748339176178, print_iou: 0.30954188108444214
1854 Epoch 1/4: 57%|███████| 92/160 [15:34<11:26, 10.09s/it]masks_dr unique: tensor([-2.9223
, -2.9219, -2.9185, ..., 3.4089, 3.4278, 3.4378],
1855 grad_fn=<Unique2Backward0>)
1856 masks_dr unique: tensor([-2.9223, -2.9219, -2.9185, ..., 3.4089, 3.4278, 3.4378],
1857 grad_fn=<Unique2Backward0>)
1858 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 9., 11., 12., 13.,
14.,
1859 15., 16., 17.])
1860 Epoch 1/4: 58%|███████| 93/160 [15:44<11:15, 10.08s/it]print_dice: 0.5049431920051575
, print_iou: 0.33774182200431824
1861 masks_dr unique: tensor([-3.4541, -3.4359, -3.4229, ..., 4.1262, 4.1574, 4.1687],
1862 grad_fn=<Unique2Backward0>)
1863 masks_dr unique: tensor([-3.4541, -3.4359, -3.4229, ..., 4.1262, 4.1574, 4.1687],
1864 grad_fn=<Unique2Backward0>)
1865 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 9., 11., 12., 13.,
14.,
1866 15., 16., 17., 18., 19.])
1867 print_dice: 0.43081483244895935, print_iou: 0.2745468318462372
1868 Epoch 1/4: 59%|███████| 94/160 [15:54<10:59, 10.00s/it]masks_dr unique: tensor([-2.9708
, -2.9535, -2.9409, ..., 3.4035, 3.4219, 3.4323],
1869 grad_fn=<Unique2Backward0>)
1870 masks_dr unique: tensor([-2.9708, -2.9535, -2.9409, ..., 3.4035, 3.4219, 3.4323],
1871 grad_fn=<Unique2Backward0>)
1872 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 11., 12., 13., 14., 15., 16.])
1873 print_dice: 0.4591752886772156, print_iou: 0.29800617694854736
1874 Epoch 1/4: 59%|███████| 95/160 [16:04<10:56, 10.11s/it]masks_dr unique: tensor([-3.1542
, -3.1514, -3.1328, ..., 3.7695, 3.7781, 3.7818],
1875 grad_fn=<Unique2Backward0>)
1876 masks_dr unique: tensor([-3.1542, -3.1514, -3.1328, ..., 3.7695, 3.7781, 3.7818],
1877 grad_fn=<Unique2Backward0>)
1878 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 11., 12., 13., 14., 15.,
16.,
1879 17.])
1880 print_dice: 0.5217357277870178, print_iou: 0.35293805599212646
1881 Epoch 1/4: 60%|███████| 96/160 [16:15<10:59, 10.30s/it]masks_dr unique: tensor([-2.9377
, -2.9311, -2.9047, ..., 4.3047, 4.3227, 4.3261],
1882 grad_fn=<Unique2Backward0>)
1883 masks_dr unique: tensor([-2.9377, -2.9311, -2.9047, ..., 4.3047, 4.3227, 4.3261],
1884 grad_fn=<Unique2Backward0>)
1885 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
15.,
1886 16., 17.])

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1887 print_dice: 0.3840819001197815, print_iou: 0.23768648505210876
1888 Epoch 1/4: 61%|███████| 97/160 [16:27<11:17, 10.75s/it]masks_dr unique: tensor([-3.0456
, -3.0244, -3.0215, ..., 3.3890, 3.3949, 3.4055],
1889 grad_fn=<Unique2Backward0>)
1890 masks_dr unique: tensor([-3.0456, -3.0244, -3.0215, ..., 3.3890, 3.3949, 3.4055],
1891 grad_fn=<Unique2Backward0>)
1892 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
15.,
1893 16., 17., 18.])
1894 print_dice: 0.4488639235496521, print_iou: 0.2893775403499603
1895 Epoch 1/4: 61%|███████| 98/160 [16:38<11:08, 10.78s/it]masks_dr unique: tensor([-2.9010
, -2.8867, -2.8844, ..., 3.7805, 3.7904, 3.7905],
1896 grad_fn=<Unique2Backward0>)
1897 masks_dr unique: tensor([-2.9010, -2.8867, -2.8844, ..., 3.7805, 3.7904, 3.7905],
1898 grad_fn=<Unique2Backward0>)
1899 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 9., 11., 12., 13.,
14.,
1900 15., 16., 17., 18.])
1901 print_dice: 0.4720277190208435, print_iou: 0.30892425775527954
1902 Epoch 1/4: 62%|███████| 99/160 [16:48<10:48, 10.64s/it]masks_dr unique: tensor([-3.0638
, -3.0436, -3.0401, ..., 3.4015, 3.4064, 3.4067],
1903 grad_fn=<Unique2Backward0>)
1904 masks_dr unique: tensor([-3.0638, -3.0436, -3.0401, ..., 3.4015, 3.4064, 3.4067],
1905 grad_fn=<Unique2Backward0>)
1906 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
15.,
1907 16., 17.])
1908 print_dice: 0.5244491100311279, print_iou: 0.35542595386505127
1909 Epoch 1/4: 62%|███████| 100/160 [16:58<10:32, 10.54s/it]masks_dr unique: tensor([-3.4421
, -3.4200, -3.4193, ..., 4.1279, 4.1601, 4.1718],
1910 grad_fn=<Unique2Backward0>)
1911 masks_dr unique: tensor([-3.4421, -3.4200, -3.4193, ..., 4.1279, 4.1601, 4.1718],
1912 grad_fn=<Unique2Backward0>)
1913 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
15.,
1914 16., 17.])
1915 print_dice: 0.4883916974067688, print_iou: 0.32309409976005554
1916 [100/160] eta: 0:10:11 time: 10.2632 data: 0.0003
1917 Epoch 1/4: 63%|███████| 101/160 [17:09<10:30, 10.69s/it]masks_dr unique: tensor([-3.7849
, -3.7559, -3.7550, ..., 4.0416, 4.0455, 4.0635],
1918 grad_fn=<Unique2Backward0>)
1919 masks_dr unique: tensor([-3.7849, -3.7559, -3.7550, ..., 4.0416, 4.0455, 4.0635],
1920 grad_fn=<Unique2Backward0>)
1921 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
15.,
1922 16., 17., 18.])
1923 print_dice: 0.4902520775794983, print_iou: 0.3247244656085968
1924 Epoch 1/4: 64%|███████| 102/160 [17:19<10:12, 10.56s/it]masks_dr unique: tensor([-3.0908
, -3.0753, -3.0636, ..., 3.5179, 3.5210, 3.5303],
1925 grad_fn=<Unique2Backward0>)
1926 masks_dr unique: tensor([-3.0908, -3.0753, -3.0636, ..., 3.5179, 3.5210, 3.5303],
1927 grad_fn=<Unique2Backward0>)
1928 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
15.,
1929 16., 17.])
1930 print_dice: 0.47915318608283997, print_iou: 0.31505686044692993
1931 Epoch 1/4: 64%|███████| 103/160 [17:29<09:52, 10.39s/it]masks_dr unique: tensor([-3.5904
, -3.5641, -3.5547, ..., 4.0326, 4.0598, 4.0680],
1932 grad_fn=<Unique2Backward0>)
1933 masks_dr unique: tensor([-3.5904, -3.5641, -3.5547, ..., 4.0326, 4.0598, 4.0680],
1934 grad_fn=<Unique2Backward0>)
1935 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 9., 11., 12., 13.,
14.,
1936 15., 16., 17., 18.])
1937 print_dice: 0.5267267227172852, print_iou: 0.3575213849544525
1938 Epoch 1/4: 65%|███████| 104/160 [17:39<09:35, 10.28s/it]masks_dr unique: tensor([-3.0818
, -3.0672, -3.0530, ..., 3.5735, 3.5867, 3.5874],
1939 grad_fn=<Unique2Backward0>)
1940 masks_dr unique: tensor([-3.0818, -3.0672, -3.0530, ..., 3.5735, 3.5867, 3.5874],

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1941         grad_fn=<Unique2Backward0>)
1942 labels_ori unique: tensor([ 0.,  1.,  2.,  3.,  4.,  5.,  6.,  7.,  8.,  9., 11., 12., 13.,
1943         14.,
1944         15., 16., 17., 18., 19.])
1944 print_dice: 0.5039756298065186, print_iou: 0.33687660098075867
1945 Epoch 1/4: 66%|███████ | 105/160 [17:50<09:23, 10.24s/it]masks_dr unique: tensor([-3.3684
1946         , -3.3434, -3.3406, ..., 3.9671, 3.9770, 3.9852],
1946         grad_fn=<Unique2Backward0>)
1947 masks_dr unique: tensor([-3.3684, -3.3434, -3.3406, ..., 3.9671, 3.9770, 3.9852],
1948         grad_fn=<Unique2Backward0>)
1949 labels_ori unique: tensor([ 0.,  1.,  2.,  3.,  4.,  5.,  6.,  7.,  8., 11., 12., 13., 14.,
1950         15.,
1951         16., 17., 18.])
1951 Epoch 1/4: 66%|███████ | 106/160 [18:00<09:08, 10.15s/it]print_dice: 0.45590147376060486
1952         , print_iou: 0.295254111289978
1952 masks_dr unique: tensor([-3.4416, -3.4344, -3.4338, ..., 4.0903, 4.0992, 4.1042],
1953         grad_fn=<Unique2Backward0>)
1954 masks_dr unique: tensor([-3.4416, -3.4344, -3.4338, ..., 4.0903, 4.0992, 4.1042],
1955         grad_fn=<Unique2Backward0>)
1956 labels_ori unique: tensor([ 0.,  1.,  2.,  3.,  4.,  5.,  6.,  7.,  8.,  9., 11., 12., 13.,
1957         14.,
1958         15., 16., 17., 18.])
1958 Epoch 1/4: 67%|███████ | 107/160 [18:09<08:54, 10.09s/it]print_dice: 0.3994368016719818
1959         , print_iou: 0.2495601624250412
1959 masks_dr unique: tensor([-3.5784, -3.5509, -3.5466, ..., 4.1907, 4.2010, 4.2044],
1960         grad_fn=<Unique2Backward0>)
1961 masks_dr unique: tensor([-3.5784, -3.5509, -3.5466, ..., 4.1907, 4.2010, 4.2044],
1962         grad_fn=<Unique2Backward0>)
1963 labels_ori unique: tensor([ 0.,  1.,  2.,  3.,  4.,  5.,  6.,  7.,  8., 11., 12., 13., 14.,
1964         15.,
1965         16., 17., 18.])
1965 print_dice: 0.4822923243045807, print_iou: 0.3177768290042877
1966 Epoch 1/4: 68%|███████ | 108/160 [18:19<08:42, 10.05s/it]masks_dr unique: tensor([-3.3818
1967         , -3.3554, -3.3508, ..., 3.9625, 3.9631, 3.9667],
1967         grad_fn=<Unique2Backward0>)
1968 masks_dr unique: tensor([-3.3818, -3.3554, -3.3508, ..., 3.9625, 3.9631, 3.9667],
1969         grad_fn=<Unique2Backward0>)
1970 labels_ori unique: tensor([ 0.,  1.,  2.,  3.,  4.,  5.,  6.,  7.,  8.,  9., 11., 12., 13.,
1971         14.,
1972         15., 16., 17., 18.])
1972 print_dice: 0.4342907965183258, print_iou: 0.2773764133453369
1973 Epoch 1/4: 68%|███████ | 109/160 [18:29<08:28, 9.96s/it]masks_dr unique: tensor([-3.0092
1974         , -3.0014, -2.9836, ..., 3.5885, 3.6013, 3.6023],
1974         grad_fn=<Unique2Backward0>)
1975 masks_dr unique: tensor([-3.0092, -3.0014, -2.9836, ..., 3.5885, 3.6013, 3.6023],
1976         grad_fn=<Unique2Backward0>)
1977 labels_ori unique: tensor([ 0.,  1.,  2.,  3.,  4.,  5.,  6.,  7.,  8., 11., 12., 13., 14.,
1978         15.,
1979         16., 17., 18.])
1979 Epoch 1/4: 69%|███████ | 110/160 [18:39<08:14, 9.90s/it]print_dice: 0.41286927461624146
1980         , print_iou: 0.26013562083244324
1980 masks_dr unique: tensor([-3.5948, -3.5709, -3.5607, ..., 4.2298, 4.2371, 4.2438],
1981         grad_fn=<Unique2Backward0>)
1982 masks_dr unique: tensor([-3.5948, -3.5709, -3.5607, ..., 4.2298, 4.2371, 4.2438],
1983         grad_fn=<Unique2Backward0>)
1984 labels_ori unique: tensor([ 0.,  1.,  2.,  3.,  4.,  5.,  6.,  7.,  8., 11., 12., 13., 14.,
1985         15.,
1986         16., 17., 18.])
1986 Epoch 1/4: 69%|███████ | 111/160 [18:49<08:06, 9.93s/it]print_dice: 0.43399864435195923
1987         , print_iou: 0.2771380841732025
1987 masks_dr unique: tensor([-3.2763, -3.2657, -3.2641, ..., 4.2692, 4.2843, 4.2874],
1988         grad_fn=<Unique2Backward0>)
1989 masks_dr unique: tensor([-3.2763, -3.2657, -3.2641, ..., 4.2692, 4.2843, 4.2874],
1990         grad_fn=<Unique2Backward0>)
1991 labels_ori unique: tensor([ 0.,  1.,  2.,  3.,  4.,  5.,  6.,  7.,  8.,  9., 10., 11., 12.,
1992         13.,
1993         14., 15., 16., 17., 18., 19.])
1993 Epoch 1/4: 70%|███████ | 112/160 [18:59<07:52, 9.85s/it]print_dice: 0.4629533886909485
1994         , print_iou: 0.30119672417640686

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1994 masks_dr unique: tensor([-3.0241, -3.0230, -3.0005, ..., 3.5873, 3.6011, 3.6028],
1995         grad_fn=<Unique2Backward0>)
1996 masks_dr unique: tensor([-3.0241, -3.0230, -3.0005, ..., 3.5873, 3.6011, 3.6028],
1997         grad_fn=<Unique2Backward0>)
1998 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
1999         15.,
2000         16., 17.])
2000 Epoch 1/4: 71%|███████ | 113/160 [19:09<07:44, 9.89s/it]print_dice: 0.5562402606010437
2001         , print_iou: 0.3852720260620117
2001 masks_dr unique: tensor([-3.0377, -3.0313, -3.0107, ..., 3.5964, 3.6065, 3.6095],
2002         grad_fn=<Unique2Backward0>)
2003 masks_dr unique: tensor([-3.0377, -3.0313, -3.0107, ..., 3.5964, 3.6065, 3.6095],
2004         grad_fn=<Unique2Backward0>)
2005 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 9., 11., 12., 13.,
2006         14.,
2007         15., 16., 17., 18.])
2007 Epoch 1/4: 71%|███████ | 114/160 [19:19<07:36, 9.93s/it]print_dice: 0.5141107439994812
2008         , print_iou: 0.34599533677101135
2008 masks_dr unique: tensor([-3.0376, -3.0274, -3.0117, ..., 3.6055, 3.6134, 3.6166],
2009         grad_fn=<Unique2Backward0>)
2010 masks_dr unique: tensor([-3.0376, -3.0274, -3.0117, ..., 3.6055, 3.6134, 3.6166],
2011         grad_fn=<Unique2Backward0>)
2012 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
2013         15.,
2014         16., 17.])
2014 print_dice: 0.5225494503974915, print_iou: 0.3536832332611084
2015 Epoch 1/4: 72%|███████ | 115/160 [19:28<07:24, 9.87s/it]masks_dr unique: tensor([-3.2154
2016         , -3.2149, -3.2050, ..., 4.2245, 4.2357, 4.2396],
2017         grad_fn=<Unique2Backward0>)
2017 masks_dr unique: tensor([-3.2154, -3.2149, -3.2050, ..., 4.2245, 4.2357, 4.2396],
2018         grad_fn=<Unique2Backward0>)
2019 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 9., 11., 12., 13.,
2020         14.,
2021         15., 16., 17., 18., 19.])
2021 print_dice: 0.361777126789093, print_iou: 0.2208351194858551
2022 Epoch 1/4: 72%|███████ | 116/160 [19:38<07:09, 9.77s/it]masks_dr unique: tensor([-3.6810
2023         , -3.6607, -3.6587, ..., 4.2597, 4.2720, 4.2744],
2024         grad_fn=<Unique2Backward0>)
2024 masks_dr unique: tensor([-3.6810, -3.6607, -3.6587, ..., 4.2597, 4.2720, 4.2744],
2025         grad_fn=<Unique2Backward0>)
2026 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
2027         15.,
2028         16., 17.])
2028 print_dice: 0.4595000743865967, print_iou: 0.29827985167503357
2029 Epoch 1/4: 73%|███████ | 117/160 [19:48<06:59, 9.76s/it]masks_dr unique: tensor([-3.3478
2030         , -3.3301, -3.3254, ..., 4.4001, 4.4094, 4.4114],
2031         grad_fn=<Unique2Backward0>)
2031 masks_dr unique: tensor([-3.3478, -3.3301, -3.3254, ..., 4.4001, 4.4094, 4.4114],
2032         grad_fn=<Unique2Backward0>)
2033 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
2034         15.,
2035         16., 17.])
2035 print_dice: 0.4782806634902954, print_iou: 0.31430283188819885
2036 Epoch 1/4: 74%|███████ | 118/160 [19:58<06:54, 9.87s/it]masks_dr unique: tensor([-3.0571
2037         , -3.0350, -3.0340, ..., 3.6411, 3.6441, 3.6493],
2038         grad_fn=<Unique2Backward0>)
2038 masks_dr unique: tensor([-3.0571, -3.0350, -3.0340, ..., 3.6411, 3.6441, 3.6493],
2039         grad_fn=<Unique2Backward0>)
2040 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
2041         15.,
2042         16., 17.])
2042 Epoch 1/4: 74%|███████ | 119/160 [20:08<06:53, 10.08s/it]print_dice: 0.46540966629981995
2043         , print_iou: 0.30327942967414856
2043 masks_dr unique: tensor([-3.0551, -3.0338, -3.0337, ..., 3.6500, 3.6503, 3.6554],
2044         grad_fn=<Unique2Backward0>)
2045 masks_dr unique: tensor([-3.0551, -3.0338, -3.0337, ..., 3.6500, 3.6503, 3.6554],
2046         grad_fn=<Unique2Backward0>)
2047 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
2048         15.,

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2048         16., 17.])
2049 print_dice: 0.5304093956947327, print_iou: 0.36092323064804077
2050 Epoch 1/4: 75%|███████ | 120/160 [20:19<06:49, 10.23s/it]masks_dr unique: tensor([-3.0267
, -3.0210, -3.0114, ..., 4.2281, 4.2308, 4.2400],
2051         grad_fn=<Unique2Backward0>)
2052 masks_dr unique: tensor([-3.0267, -3.0210, -3.0114, ..., 4.2281, 4.2308, 4.2400],
2053         grad_fn=<Unique2Backward0>)
2054 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 11., 12., 13., 14., 15.,
16.,
2055         17.])
2056 print_dice: 0.5048587918281555, print_iou: 0.3376663029193878
2057 Epoch 1/4: 76%|███████ | 121/160 [20:30<06:46, 10.43s/it]masks_dr unique: tensor([-3.0747
, -3.0591, -3.0550, ..., 3.6530, 3.6717, 3.6775],
2058         grad_fn=<Unique2Backward0>)
2059 masks_dr unique: tensor([-3.0747, -3.0591, -3.0550, ..., 3.6530, 3.6717, 3.6775],
2060         grad_fn=<Unique2Backward0>)
2061 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 9., 10., 11., 12.,
13.,
2062         14., 15., 16., 17., 18., 19.])
2063 print_dice: 0.4687507748603821, print_iou: 0.30612310767173767
2064 Epoch 1/4: 76%|███████ | 122/160 [20:41<06:42, 10.58s/it]masks_dr unique: tensor([-3.0807
, -3.0694, -3.0691, ..., 3.6624, 3.6812, 3.6871],
2065         grad_fn=<Unique2Backward0>)
2066 masks_dr unique: tensor([-3.0807, -3.0694, -3.0691, ..., 3.6624, 3.6812, 3.6871],
2067         grad_fn=<Unique2Backward0>)
2068 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
15.,
2069         16., 17.])
2070 print_dice: 0.479674369096756, print_iou: 0.3155076503753662
2071 Epoch 1/4: 77%|███████ | 123/160 [20:51<06:31, 10.57s/it]masks_dr unique: tensor([-3.5727
, -3.5531, -3.5430, ..., 4.4661, 4.4675, 4.5067],
2072         grad_fn=<Unique2Backward0>)
2073 masks_dr unique: tensor([-3.5727, -3.5531, -3.5430, ..., 4.4661, 4.4675, 4.5067],
2074         grad_fn=<Unique2Backward0>)
2075 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 9., 11., 12., 13.,
14.,
2076         15., 16., 17., 18.])
2077 Epoch 1/4: 78%|███████ | 124/160 [21:02<06:20, 10.58s/it]print_dice: 0.4483383893966675
, print_iou: 0.2889408469200134
2078 masks_dr unique: tensor([-3.6537, -3.6392, -3.6335, ..., 4.4066, 4.4067, 4.4431],
2079         grad_fn=<Unique2Backward0>)
2080 masks_dr unique: tensor([-3.6537, -3.6392, -3.6335, ..., 4.4066, 4.4067, 4.4431],
2081         grad_fn=<Unique2Backward0>)
2082 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 9., 11., 12., 13.,
14.,
2083         15., 16., 17., 18.])
2084 print_dice: 0.4395143985748291, print_iou: 0.2816523313522339
2085 Epoch 1/4: 78%|███████ | 125/160 [21:12<06:04, 10.41s/it]masks_dr unique: tensor([-3.1602
, -3.1499, -3.1447, ..., 3.9943, 4.0079, 4.0082],
2086         grad_fn=<Unique2Backward0>)
2087 masks_dr unique: tensor([-3.1602, -3.1499, -3.1447, ..., 3.9943, 4.0079, 4.0082],
2088         grad_fn=<Unique2Backward0>)
2089 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
15.,
2090         16., 17.])
2091 Epoch 1/4: 79%|███████ | 126/160 [21:22<05:47, 10.23s/it]print_dice: 0.4889761209487915
, print_iou: 0.32360580563545227
2092 masks_dr unique: tensor([-3.6492, -3.6318, -3.6175, ..., 4.3376, 4.3692, 4.3703],
2093         grad_fn=<Unique2Backward0>)
2094 masks_dr unique: tensor([-3.6492, -3.6318, -3.6175, ..., 4.3376, 4.3692, 4.3703],
2095         grad_fn=<Unique2Backward0>)
2096 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
15.,
2097         16., 17.])
2098 print_dice: 0.4784679710865021, print_iou: 0.31446459889411926
2099 Epoch 1/4: 79%|███████ | 127/160 [21:32<05:33, 10.10s/it]masks_dr unique: tensor([-3.1785
, -3.1670, -3.1645, ..., 4.1907, 4.2131, 4.2240],
2100         grad_fn=<Unique2Backward0>)
2101 masks_dr unique: tensor([-3.1785, -3.1670, -3.1645, ..., 4.1907, 4.2131, 4.2240],

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2102         grad_fn=<Unique2Backward0>)
2103 labels_ori unique: tensor([ 0.,  1.,  2.,  3.,  4.,  5.,  6.,  7.,  8., 11., 12., 13., 14.,
16., 17.])
2104         16., 17.])
2105 Epoch 1/4: 80%|██████████ | 128/160 [21:41<05:18, 9.95s/it]print_dice: 0.5018178224563599
, print_iou: 0.33495116233825684
2106 masks_dr unique: tensor([-3.1808, -3.1742, -3.1731, ..., 3.6902, 3.6915, 3.6970],
2107         grad_fn=<Unique2Backward0>)
2108 masks_dr unique: tensor([-3.1808, -3.1742, -3.1731, ..., 3.6902, 3.6915, 3.6970],
2109         grad_fn=<Unique2Backward0>)
2110 labels_ori unique: tensor([ 0.,  1.,  2.,  3.,  4.,  5.,  6.,  7.,  8.,  9., 11., 12., 13.,
14.,
2111         15., 16., 17., 18.])
2112 print_dice: 0.5211006999015808, print_iou: 0.3523571491241455
2113 Epoch 1/4: 81%|██████████ | 129/160 [21:51<05:09, 9.97s/it]masks_dr unique: tensor([-3.7125
, -3.6919, -3.6796, ..., 4.5072, 4.5150, 4.5171],
2114         grad_fn=<Unique2Backward0>)
2115 masks_dr unique: tensor([-3.7125, -3.6919, -3.6796, ..., 4.5072, 4.5150, 4.5171],
2116         grad_fn=<Unique2Backward0>)
2117 labels_ori unique: tensor([ 0.,  1.,  2.,  3.,  4.,  5.,  6.,  7.,  8., 11., 12., 13., 14.,
15.,
2118         16., 17.])
2119 print_dice: 0.4543767273426056, print_iou: 0.293976366519928
2120 Epoch 1/4: 81%|██████████ | 130/160 [22:02<05:03, 10.12s/it]masks_dr unique: tensor([-3.5271
, -3.5151, -3.5088, ..., 4.1678, 4.1987, 4.2020],
2121         grad_fn=<Unique2Backward0>)
2122 masks_dr unique: tensor([-3.5271, -3.5151, -3.5088, ..., 4.1678, 4.1987, 4.2020],
2123         grad_fn=<Unique2Backward0>)
2124 labels_ori unique: tensor([ 0.,  1.,  2.,  3.,  4.,  5.,  6.,  7.,  8., 11., 12., 13., 14.,
15.,
2125         16., 17.])
2126 print_dice: 0.5460116863250732, print_iou: 0.37552687525749207
2127 Epoch 1/4: 82%|██████████ | 131/160 [22:12<04:51, 10.06s/it]masks_dr unique: tensor([-3.2714
, -3.2675, -3.2669, ..., 3.6806, 3.6975, 3.7093],
2128         grad_fn=<Unique2Backward0>)
2129 masks_dr unique: tensor([-3.2714, -3.2675, -3.2669, ..., 3.6806, 3.6975, 3.7093],
2130         grad_fn=<Unique2Backward0>)
2131 labels_ori unique: tensor([ 0.,  1.,  2.,  3.,  4.,  5.,  6.,  7.,  8., 11., 12., 13., 14.,
15.,
2132         16., 17.])
2133 Epoch 1/4: 82%|██████████ | 132/160 [22:21<04:39, 9.99s/it]print_dice: 0.5495563745498657
, print_iou: 0.37888848781585693
2134 masks_dr unique: tensor([-3.1218, -3.1107, -3.1030, ..., 4.3953, 4.4237, 4.4289],
2135         grad_fn=<Unique2Backward0>)
2136 masks_dr unique: tensor([-3.1218, -3.1107, -3.1030, ..., 4.3953, 4.4237, 4.4289],
2137         grad_fn=<Unique2Backward0>)
2138 labels_ori unique: tensor([ 0.,  1.,  2.,  3.,  4.,  5.,  6.,  7.,  8., 11., 12., 13., 14.,
15.,
2139         16., 17.])
2140 Epoch 1/4: 83%|██████████ | 133/160 [22:33<04:41, 10.42s/it]print_dice: 0.4698405861854553
, print_iou: 0.3070533573627472
2141 masks_dr unique: tensor([-3.3174, -3.3156, -3.3145, ..., 3.6868, 3.7012, 3.7149],
2142         grad_fn=<Unique2Backward0>)
2143 masks_dr unique: tensor([-3.3174, -3.3156, -3.3145, ..., 3.6868, 3.7012, 3.7149],
2144         grad_fn=<Unique2Backward0>)
2145 labels_ori unique: tensor([ 0.,  1.,  2.,  3.,  4.,  5.,  6.,  7.,  8., 11., 12., 13., 14.,
15.,
2146         16., 17.])
2147 print_dice: 0.47614434361457825, print_iou: 0.3124602735042572
2148 Epoch 1/4: 84%|██████████ | 134/160 [22:43<04:33, 10.51s/it]masks_dr unique: tensor([-3.3366
, -3.3358, -3.3346, ..., 3.6932, 3.7049, 3.7206],
2149         grad_fn=<Unique2Backward0>)
2150 masks_dr unique: tensor([-3.3366, -3.3358, -3.3346, ..., 3.6932, 3.7049, 3.7206],
2151         grad_fn=<Unique2Backward0>)
2152 labels_ori unique: tensor([ 0.,  1.,  2.,  3.,  4.,  5.,  6.,  7.,  8.,  9., 10., 11., 12.,
13.,
2153         14., 15., 16., 17., 18., 19.])
2154 print_dice: 0.4407504200935364, print_iou: 0.2826682925224304
2155 Epoch 1/4: 84%|██████████ | 135/160 [22:53<04:17, 10.31s/it]masks_dr unique: tensor([-3.8807

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2155 , -3.8638, -3.8505, ..., 4.2453, 4.2591, 4.2628],
2156     grad_fn=<Unique2Backward0>)
2157 masks_dr unique: tensor([-3.8807, -3.8638, -3.8505, ..., 4.2453, 4.2591, 4.2628],
2158     grad_fn=<Unique2Backward0>)
2159 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
2160     15.,
2161     16., 17.])
2161 print_dice: 0.4637533724308014, print_iou: 0.3018743097782135
2162 Epoch 1/4: 85%|██████████ | 136/160 [23:03<04:05, 10.25s/it]masks_dr unique: tensor([-3.2765
2163     , -3.2623, -3.2549, ..., 4.4744, 4.4850, 4.5121],
2164     grad_fn=<Unique2Backward0>)
2164 masks_dr unique: tensor([-3.2765, -3.2623, -3.2549, ..., 4.4744, 4.4850, 4.5121],
2165     grad_fn=<Unique2Backward0>)
2166 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 9., 11., 12., 13.,
2167     14.,
2168     15., 16., 17.])
2168 Epoch 1/4: 86%|██████████ | 137/160 [23:13<03:53, 10.13s/it]print_dice: 0.4769623577594757
2169     , print_iou: 0.31316518783569336
2169 masks_dr unique: tensor([-3.2934, -3.2753, -3.2744, ..., 4.1843, 4.1846, 4.2136],
2170     grad_fn=<Unique2Backward0>)
2171 masks_dr unique: tensor([-3.2934, -3.2753, -3.2744, ..., 4.1843, 4.1846, 4.2136],
2172     grad_fn=<Unique2Backward0>)
2173 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
2174     15.,
2175     16., 17.])
2175 Epoch 1/4: 86%|██████████ | 138/160 [23:23<03:42, 10.11s/it]print_dice: 0.43702009320259094
2176     , print_iou: 0.27960696816444397
2176 masks_dr unique: tensor([-3.1960, -3.1882, -3.1763, ..., 3.9037, 3.9092, 3.9322],
2177     grad_fn=<Unique2Backward0>)
2178 masks_dr unique: tensor([-3.1960, -3.1882, -3.1763, ..., 3.9037, 3.9092, 3.9322],
2179     grad_fn=<Unique2Backward0>)
2180 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 11., 12., 13., 14., 15.,
2181     16.])
2181 print_dice: 0.4651876389980316, print_iou: 0.3030908703804016
2182 Epoch 1/4: 87%|██████████ | 139/160 [23:33<03:30, 10.02s/it]masks_dr unique: tensor([-3.3292
2183     , -3.3085, -3.3068, ..., 4.1810, 4.1853, 4.2105],
2184     grad_fn=<Unique2Backward0>)
2184 masks_dr unique: tensor([-3.3292, -3.3085, -3.3068, ..., 4.1810, 4.1853, 4.2105],
2185     grad_fn=<Unique2Backward0>)
2186 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
2187     15.,
2188     16., 17.])
2188 Epoch 1/4: 88%|██████████ | 140/160 [23:43<03:22, 10.10s/it]print_dice: 0.4540776014328003
2189     , print_iou: 0.29372599720954895
2189 masks_dr unique: tensor([-3.1526, -3.1411, -3.1391, ..., 4.0100, 4.0331, 4.0357],
2190     grad_fn=<Unique2Backward0>)
2191 masks_dr unique: tensor([-3.1526, -3.1411, -3.1391, ..., 4.0100, 4.0331, 4.0357],
2192     grad_fn=<Unique2Backward0>)
2193 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
2194     15.,
2195     16., 17.])
2195 Epoch 1/4: 88%|██████████ | 141/160 [23:54<03:12, 10.12s/it]print_dice: 0.5286083817481995
2196     , print_iou: 0.35925742983818054
2196 masks_dr unique: tensor([-3.5104, -3.4920, -3.4871, ..., 4.1571, 4.1593, 4.1768],
2197     grad_fn=<Unique2Backward0>)
2198 masks_dr unique: tensor([-3.5104, -3.4920, -3.4871, ..., 4.1571, 4.1593, 4.1768],
2199     grad_fn=<Unique2Backward0>)
2200 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
2201     15.,
2202     16., 17.])
2202 Epoch 1/4: 89%|██████████ | 142/160 [24:03<02:59, 10.00s/it]print_dice: 0.5034857988357544
2203     , print_iou: 0.3364390432834625
2203 masks_dr unique: tensor([-3.1746, -3.1695, -3.1568, ..., 4.2687, 4.2908, 4.2961],
2204     grad_fn=<Unique2Backward0>)
2205 masks_dr unique: tensor([-3.1746, -3.1695, -3.1568, ..., 4.2687, 4.2908, 4.2961],
2206     grad_fn=<Unique2Backward0>)
2207 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
2208     15.,
2209     16., 17.])

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2209 Epoch 1/4: 89%|██████████| 143/160 [24:13<02:48, 9.93s/it]print_dice: 0.4124978482723236
, print_iou: 0.25984081625938416
2210 masks_dr unique: tensor([-3.4951, -3.4946, -3.4860, ..., 4.3981, 4.4040, 4.4417],
2211 grad_fn=<Unique2Backward0>)
2212 masks_dr unique: tensor([-3.4951, -3.4946, -3.4860, ..., 4.3981, 4.4040, 4.4417],
2213 grad_fn=<Unique2Backward0>)
2214 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
15.,
2215 16., 17.])
2216 print_dice: 0.42454293370246887, print_iou: 0.2694728672504425
2217 Epoch 1/4: 90%|██████████| 144/160 [24:23<02:40, 10.03s/it]masks_dr unique: tensor([-3.2734
, -3.2688, -3.2648, ..., 3.7121, 3.7263, 3.7371],
2218 grad_fn=<Unique2Backward0>)
2219 masks_dr unique: tensor([-3.2734, -3.2688, -3.2648, ..., 3.7121, 3.7263, 3.7371],
2220 grad_fn=<Unique2Backward0>)
2221 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
15.,
2222 16., 17.])
2223 Epoch 1/4: 91%|██████████| 145/160 [24:33<02:29, 10.00s/it]print_dice: 0.5408754944801331
, print_iou: 0.370684951543808
2224 masks_dr unique: tensor([-3.2652, -3.2609, -3.2566, ..., 3.7101, 3.7335, 3.7340],
2225 grad_fn=<Unique2Backward0>)
2226 masks_dr unique: tensor([-3.2652, -3.2609, -3.2566, ..., 3.7101, 3.7335, 3.7340],
2227 grad_fn=<Unique2Backward0>)
2228 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 9., 11., 12., 13.,
14.,
2229 15., 16., 17., 18.])
2230 print_dice: 0.5261095762252808, print_iou: 0.356952965259552
2231 Epoch 1/4: 91%|██████████| 146/160 [24:43<02:19, 9.95s/it]masks_dr unique: tensor([-3.9158
, -3.9130, -3.8966, ..., 4.5575, 4.5824, 4.5843],
2232 grad_fn=<Unique2Backward0>)
2233 masks_dr unique: tensor([-3.9158, -3.9130, -3.8966, ..., 4.5575, 4.5824, 4.5843],
2234 grad_fn=<Unique2Backward0>)
2235 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 9., 10., 11., 12.,
13.,
2236 14., 15., 16., 17., 18., 19.])
2237 Epoch 1/4: 92%|██████████| 147/160 [24:53<02:08, 9.91s/it]print_dice: 0.47355276346206665
, print_iou: 0.3102319836616516
2238 masks_dr unique: tensor([-3.2601, -3.2559, -3.2558, ..., 3.7232, 3.7234, 3.7479],
2239 grad_fn=<Unique2Backward0>)
2240 masks_dr unique: tensor([-3.2601, -3.2559, -3.2558, ..., 3.7232, 3.7234, 3.7479],
2241 grad_fn=<Unique2Backward0>)
2242 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 9., 11., 12., 13.,
14.,
2243 15., 16., 17., 18.])
2244 print_dice: 0.4285459518432617, print_iou: 0.27270662784576416
2245 Epoch 1/4: 92%|██████████| 148/160 [25:03<01:59, 9.93s/it]masks_dr unique: tensor([-3.7899
, -3.7669, -3.7634, ..., 4.5107, 4.5301, 4.5432],
2246 grad_fn=<Unique2Backward0>)
2247 masks_dr unique: tensor([-3.7899, -3.7669, -3.7634, ..., 4.5107, 4.5301, 4.5432],
2248 grad_fn=<Unique2Backward0>)
2249 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 9., 10., 11., 12.,
13.,
2250 14., 15., 16., 17., 18., 19.])
2251 print_dice: 0.46666741371154785, print_iou: 0.3043484389781952
2252 Epoch 1/4: 93%|██████████| 149/160 [25:12<01:48, 9.82s/it]masks_dr unique: tensor([-3.7606
, -3.7603, -3.7429, ..., 4.8093, 4.8408, 4.8414],
2253 grad_fn=<Unique2Backward0>)
2254 masks_dr unique: tensor([-3.7606, -3.7603, -3.7429, ..., 4.8093, 4.8408, 4.8414],
2255 grad_fn=<Unique2Backward0>)
2256 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
15.,
2257 16., 17.])
2258 Epoch 1/4: 94%|██████████| 150/160 [25:22<01:37, 9.76s/it]print_dice: 0.44801875948905945
, print_iou: 0.28867536783218384
2259 masks_dr unique: tensor([-3.8749, -3.8525, -3.8435, ..., 4.5666, 4.5858, 4.5890],
2260 grad_fn=<Unique2Backward0>)
2261 masks_dr unique: tensor([-3.8749, -3.8525, -3.8435, ..., 4.5666, 4.5858, 4.5890],
2262 grad_fn=<Unique2Backward0>)

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2263 labels_ori unique: tensor([ 0.,  1.,  2.,  3.,  4.,  5.,  6.,  7.,  8., 11., 12., 13., 14.,
15.,
2264      16., 17.])
2265 Epoch 1/4: 94%|██████████| 151/160 [25:32<01:27,  9.74s/it]print_dice: 0.4500389099121094
, print_iou: 0.29035496711730957
2266 masks_dr unique: tensor([-3.3193, -3.3146, -3.3103, ...,  3.7194,  3.7295,  3.7400],
2267      grad_fn=<Unique2Backward0>)
2268 masks_dr unique: tensor([-3.3193, -3.3146, -3.3103, ...,  3.7194,  3.7295,  3.7400],
2269      grad_fn=<Unique2Backward0>)
2270 labels_ori unique: tensor([ 0.,  1.,  2.,  3.,  4.,  5.,  6.,  7., 11., 12., 13., 14., 15.,
16.,
2271      17.])
2272 Epoch 1/4: 95%|██████████| 152/160 [25:42<01:18,  9.81s/it]print_dice: 0.4398951530456543
, print_iou: 0.28196510672569275
2273 masks_dr unique: tensor([-3.8791, -3.8770, -3.8692, ...,  4.3354,  4.3430,  4.3469],
2274      grad_fn=<Unique2Backward0>)
2275 masks_dr unique: tensor([-3.8791, -3.8770, -3.8692, ...,  4.3354,  4.3430,  4.3469],
2276      grad_fn=<Unique2Backward0>)
2277 labels_ori unique: tensor([ 0.,  1.,  2.,  3.,  4.,  5.,  6.,  7.,  8., 11., 12., 13., 14.,
15.,
2278      16., 17.])
2279 Epoch 1/4: 96%|██████████| 153/160 [25:52<01:08,  9.84s/it]print_dice: 0.4814426302909851
, print_iou: 0.31703948974609375
2280 masks_dr unique: tensor([-3.4524, -3.4365, -3.4240, ...,  4.4974,  4.5145,  4.5172],
2281      grad_fn=<Unique2Backward0>)
2282 masks_dr unique: tensor([-3.4524, -3.4365, -3.4240, ...,  4.4974,  4.5145,  4.5172],
2283      grad_fn=<Unique2Backward0>)
2284 labels_ori unique: tensor([ 0.,  1.,  2.,  3.,  4.,  5.,  6.,  7.,  8., 11., 12., 13., 14.,
15.,
2285      16., 17.])
2286 Epoch 1/4: 96%|██████████| 154/160 [26:02<00:59,  9.84s/it]print_dice: 0.4262251555919647
, print_iou: 0.27082982659339905
2287 masks_dr unique: tensor([-3.6273, -3.6120, -3.6099, ...,  4.5123,  4.5236,  4.5334],
2288      grad_fn=<Unique2Backward0>)
2289 masks_dr unique: tensor([-3.6273, -3.6120, -3.6099, ...,  4.5123,  4.5236,  4.5334],
2290      grad_fn=<Unique2Backward0>)
2291 labels_ori unique: tensor([ 0.,  1.,  2.,  3.,  4.,  5.,  6.,  7.,  8., 11., 12., 13., 14.,
15.,
2292      16., 17.])
2293 Epoch 1/4: 97%|██████████| 155/160 [26:11<00:48,  9.77s/it]print_dice: 0.5107264518737793
, print_iou: 0.342936635017395
2294 masks_dr unique: tensor([-4.0759, -4.0568, -4.0348, ...,  4.5890,  4.5895,  4.6082],
2295      grad_fn=<Unique2Backward0>)
2296 masks_dr unique: tensor([-4.0759, -4.0568, -4.0348, ...,  4.5890,  4.5895,  4.6082],
2297      grad_fn=<Unique2Backward0>)
2298 labels_ori unique: tensor([ 0.,  1.,  2.,  3.,  4.,  5.,  6.,  7.,  8., 11., 12., 13., 14.,
15.,
2299      16., 17.])
2300 print_dice: 0.5047996640205383, print_iou: 0.33761343359947205
2301 Epoch 1/4: 98%|██████████| 156/160 [26:21<00:39,  9.81s/it]masks_dr unique: tensor([-3.8725
, -3.8543, -3.8422, ...,  4.4428,  4.4626,  4.4739],
2302      grad_fn=<Unique2Backward0>)
2303 masks_dr unique: tensor([-3.8725, -3.8543, -3.8422, ...,  4.4428,  4.4626,  4.4739],
2304      grad_fn=<Unique2Backward0>)
2305 labels_ori unique: tensor([ 0.,  1.,  2.,  3.,  4.,  5.,  6.,  7.,  8., 11., 12., 13., 14.,
15.,
2306      16., 17., 18.])
2307 print_dice: 0.5232054591178894, print_iou: 0.35428452491760254
2308 Epoch 1/4: 98%|██████████| 157/160 [26:31<00:29,  9.77s/it]masks_dr unique: tensor([-3.4409
, -3.4365, -3.4353, ...,  3.7198,  3.7366,  3.7431],
2309      grad_fn=<Unique2Backward0>)
2310 masks_dr unique: tensor([-3.4409, -3.4365, -3.4353, ...,  3.7198,  3.7366,  3.7431],
2311      grad_fn=<Unique2Backward0>)
2312 labels_ori unique: tensor([ 0.,  1.,  2.,  3.,  4.,  5.,  6.,  7.,  8.,  9., 10., 11., 12.,
13.,
2313      14., 15., 16., 17., 18., 19.])
2314 print_dice: 0.5269550681114197, print_iou: 0.3577318489551544
2315 Epoch 1/4: 99%|██████████| 158/160 [26:40<00:19,  9.71s/it]masks_dr unique: tensor([-3.7463
, -3.7313, -3.7166, ...,  4.4046,  4.4100,  4.4178],

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2316         grad_fn=<Unique2Backward0>)
2317 masks_dr unique: tensor([-3.7463, -3.7313, -3.7166, ..., 4.4046, 4.4100, 4.4178],
2318         grad_fn=<Unique2Backward0>)
2319 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
15.,
2320         16., 17.])
2321 Epoch 1/4: 99%|███████████ 159/160 [26:50<00:09, 9.62s/it]print_dice: 0.4229864776134491
, print_iou: 0.2682199478149414
2322 masks_dr unique: tensor([-3.4939, -3.4902, -3.4887, ..., 3.7203, 3.7359, 3.7414],
2323         grad_fn=<Unique2Backward0>)
2324 masks_dr unique: tensor([-3.4939, -3.4902, -3.4887, ..., 3.7203, 3.7359, 3.7414],
2325         grad_fn=<Unique2Backward0>)
2326 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 9., 11., 12., 13.,
14.,
2327         15., 16., 17., 18.])
2328 print_dice: 0.5031015872955322, print_iou: 0.33609601855278015
2329 Epoch 1/4: 100%|███████████ 160/160 [26:59<00:00, 9.63s/it] [159/160] eta: 0:00:10
time: 9.7931 data: 0.0029
2330 Epoch 1/4: 100%|███████████ 160/160 [27:01<00:00, 10.13s/it]
2331 Total time: 0:27:01 (10.1338 s / it)
2332 Averaged stats: training_loss: 22.3792 (22.3792) loss_mask: 22.1607 (22.1607) loss_dice: 0
.2185 (0.2185)
2333 Net parameter norm: 1055.1530430830899
2334 Validating...
2335 Valid_dataloader len: 12
2336 0%|███████████ 0/12 [00:00<?, ?it/s]masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique
sigmoid values: tensor([0.0235, 0.0245, 0.0251, ..., 0.9824, 0.9829, 0.9830],
2337         grad_fn=<Unique2Backward0>)
2338 masks_dr unique: tensor([0.0309, 0.0313, 0.0314, ..., 0.9729, 0.9732, 0.9740],
2339         grad_fn=<Unique2Backward0>)
2340 print_dice: 0.49026453495025635, print_iou: 0.3247353732585907
2341 [ 0/12] eta: 0:02:32 time: 12.7332 data: 6.5100
2342 8%|███████████ 1/12 [00:12<02:20, 12.73s/it]masks_dr shape: torch.Size([1, 1, 32, 32, 32
]) unique sigmoid values: tensor([0.0236, 0.0245, 0.0252, ..., 0.9824, 0.9828, 0.9831],
2343         grad_fn=<Unique2Backward0>)
2344 masks_dr unique: tensor([0.0309, 0.0313, 0.0315, ..., 0.9728, 0.9732, 0.9740],
2345         grad_fn=<Unique2Backward0>)
2346 print_dice: 0.5340107679367065, print_iou: 0.3642665147781372
2347 17%|███████████ 2/12 [00:18<01:29, 8.92s/it]masks_dr shape: torch.Size([1, 1, 32, 32, 32
]) unique sigmoid values: tensor([0.0149, 0.0152, 0.0165, ..., 0.9911, 0.9912, 0.9914],
2348         grad_fn=<Unique2Backward0>)
2349 masks_dr unique: tensor([0.0255, 0.0256, 0.0257, ..., 0.9842, 0.9843, 0.9845],
2350         grad_fn=<Unique2Backward0>)
2351 25%|███████████ 3/12 [00:25<01:08, 7.62s/it]print_dice: 0.47521114349365234, print_iou: 0
.31165701150894165
2352 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([0.0149, 0.0151
, 0.0166, ..., 0.9936, 0.9938, 0.9940],
2353         grad_fn=<Unique2Backward0>)
2354 masks_dr unique: tensor([0.0216, 0.0219, 0.0219, ..., 0.9857, 0.9860, 0.9861],
2355         grad_fn=<Unique2Backward0>)
2356 33%|███████████ 4/12 [00:31<00:58, 7.26s/it]print_dice: 0.4779251217842102, print_iou: 0.
3139958083629608
2357 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([0.0148, 0.0154
, 0.0166, ..., 0.9930, 0.9933, 0.9933],
2358         grad_fn=<Unique2Backward0>)
2359 masks_dr unique: tensor([0.0286, 0.0287, 0.0293, ..., 0.9877, 0.9877, 0.9879],
2360         grad_fn=<Unique2Backward0>)
2361 42%|███████████ 5/12 [00:37<00:47, 6.82s/it]print_dice: 0.5055235624313354, print_iou: 0.
33826130628585815
2362 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([0.0235, 0.0245
, 0.0251, ..., 0.9823, 0.9829, 0.9830],
2363         grad_fn=<Unique2Backward0>)
2364 masks_dr unique: tensor([0.0309, 0.0313, 0.0314, ..., 0.9728, 0.9733, 0.9741],
2365         grad_fn=<Unique2Backward0>)
2366 50%|███████████ 6/12 [00:43<00:39, 6.55s/it]print_dice: 0.4561196565628052, print_iou: 0.
29543715715408325
2367 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([0.0235, 0.0245
, 0.0251, ..., 0.9825, 0.9829, 0.9831],
2368         grad_fn=<Unique2Backward0>)

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2369 masks_dr unique: tensor([0.0288, 0.0289, 0.0292, ..., 0.9709, 0.9720, 0.9739],
2370       grad_fn=<Unique2Backward0>)
2371 58%|███████| 7/12 [00:50<00:32, 6.58s/it]print_dice: 0.42761847376823425, print_iou: 0
.2719559371471405
2372 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([0.0129, 0.0132
, 0.0134, ..., 0.9906, 0.9908, 0.9911],
2373       grad_fn=<Unique2Backward0>)
2374 masks_dr unique: tensor([0.0254, 0.0255, 0.0257, ..., 0.9828, 0.9829, 0.9830],
2375       grad_fn=<Unique2Backward0>)
2376 67%|███████| 8/12 [00:56<00:25, 6.39s/it]print_dice: 0.4919484853744507, print_iou: 0.
32621464133262634
2377 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([0.0166, 0.0177
, 0.0180, ..., 0.9919, 0.9920, 0.9921],
2378       grad_fn=<Unique2Backward0>)
2379 masks_dr unique: tensor([0.0385, 0.0387, 0.0391, ..., 0.9859, 0.9862, 0.9864],
2380       grad_fn=<Unique2Backward0>)
2381 print_dice: 0.4811791181564331, print_iou: 0.3168109655380249
2382 75%|███████| 9/12 [01:02<00:19, 6.40s/it]masks_dr shape: torch.Size([1, 1, 32, 32, 32
]) unique sigmoid values: tensor([0.0188, 0.0196, 0.0200, ..., 0.9888, 0.9892, 0.9894],
2383       grad_fn=<Unique2Backward0>)
2384 masks_dr unique: tensor([0.0405, 0.0421, 0.0423, ..., 0.9812, 0.9812, 0.9814],
2385       grad_fn=<Unique2Backward0>)
2386 83%|███████| 10/12 [01:08<00:12, 6.22s/it]print_dice: 0.4869769215583801, print_iou: 0
.32185691595077515
2387 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([0.0236, 0.0245
, 0.0251, ..., 0.9824, 0.9829, 0.9831],
2388       grad_fn=<Unique2Backward0>)
2389 masks_dr unique: tensor([0.0309, 0.0313, 0.0314, ..., 0.9729, 0.9732, 0.9740],
2390       grad_fn=<Unique2Backward0>)
2391 92%|███████| 11/12 [01:14<00:06, 6.14s/it]print_dice: 0.5501807332038879, print_iou: 0
.37948229908943176
2392 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([0.0172, 0.0179
, 0.0187, ..., 0.9938, 0.9940, 0.9941],
2393       grad_fn=<Unique2Backward0>)
2394 masks_dr unique: tensor([0.0316, 0.0323, 0.0325, ..., 0.9892, 0.9892, 0.9894],
2395       grad_fn=<Unique2Backward0>)
2396 100%|███████| 12/12 [01:20<00:00, 6.00s/it]print_dice: 0.4994330108165741, print_iou: 0
.3328295350074768
2397 [11/12] eta: 0:00:06 time: 6.6957 data: 0.5432
2398 100%|███████| 12/12 [01:21<00:00, 6.75s/it]
2399 Total time: 0:01:21 (6.7531 s / it)
2400 =====
2401 Averaged stats:
2402 come here save at work_dirs/DrSAM_b
2403 epoch: 2 learning rate: 1e-07
2404 Epoch 2/4: 0%|          | 0/160 [00:00<?, ?it/s]masks_dr unique: tensor([-4.1391, -4.1189
, -4.1008, ..., 4.4516, 4.4533, 4.4700],
2405       grad_fn=<Unique2Backward0>)
2406 masks_dr unique: tensor([-4.1391, -4.1189, -4.1008, ..., 4.4516, 4.4533, 4.4700],
2407       grad_fn=<Unique2Backward0>)
2408 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
15.,
2409       16., 17.])
2410 Epoch 2/4: 1%|          | 1/160 [00:15<41:16, 15.57s/it]print_dice: 0.43937239050865173
, print_iou: 0.28153568506240845
2411 [ 0/160] eta: 0:41:31 time: 15.5737 data: 5.4118
2412 masks_dr unique: tensor([-3.1860, -3.1780, -3.1605, ..., 4.4810, 4.4838, 4.4984],
2413       grad_fn=<Unique2Backward0>)
2414 masks_dr unique: tensor([-3.1860, -3.1780, -3.1605, ..., 4.4810, 4.4838, 4.4984],
2415       grad_fn=<Unique2Backward0>)
2416 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 9., 10., 11., 12.,
13.,
2417       14., 15., 16., 17., 18., 19.])
2418 print_dice: 0.4852973222732544, print_iou: 0.32039114832878113
2419 Epoch 2/4: 1%||        | 2/160 [00:25<32:07, 12.20s/it]masks_dr unique: tensor([-3.1905
, -3.1689, -3.1688, ..., 4.0922, 4.0930, 4.1066],
2420       grad_fn=<Unique2Backward0>)
2421 masks_dr unique: tensor([-3.1905, -3.1689, -3.1688, ..., 4.0922, 4.0930, 4.1066],
2422       grad_fn=<Unique2Backward0>)

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2423 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
15.,
2424     16., 17.])
2425 Epoch 2/4: 2%|█          | 3/160 [00:35<29:02, 11.10s/it]print_dice: 0.4668295979499817,
print_iou: 0.3044864237308502
2426 masks_dr unique: tensor([-3.5180, -3.5158, -3.5126, ..., 3.7257, 3.7351, 3.7403],
2427     grad_fn=<Unique2Backward0>)
2428 masks_dr unique: tensor([-3.5180, -3.5158, -3.5126, ..., 3.7257, 3.7351, 3.7403],
2429     grad_fn=<Unique2Backward0>)
2430 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
15.,
2431     16., 17.])
2432 print_dice: 0.5204744935035706, print_iou: 0.35178473591804504
2433 Epoch 2/4: 2%|█          | 4/160 [00:45<27:40, 10.64s/it]masks_dr unique: tensor([-3.6641
, -3.6574, -3.6484, ..., 4.4578, 4.4642, 4.4704],
2434     grad_fn=<Unique2Backward0>)
2435 masks_dr unique: tensor([-3.6641, -3.6574, -3.6484, ..., 4.4578, 4.4642, 4.4704],
2436     grad_fn=<Unique2Backward0>)
2437 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
15.,
2438     16., 17.])
2439 print_dice: 0.4918709993362427, print_iou: 0.3261464834213257
2440 Epoch 2/4: 3%|█          | 5/160 [00:55<27:16, 10.56s/it]masks_dr unique: tensor([-3.8557
, -3.8405, -3.8268, ..., 4.4661, 4.4688, 4.4713],
2441     grad_fn=<Unique2Backward0>)
2442 masks_dr unique: tensor([-3.8557, -3.8405, -3.8268, ..., 4.4661, 4.4688, 4.4713],
2443     grad_fn=<Unique2Backward0>)
2444 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
15.,
2445     16., 17.])
2446 Epoch 2/4: 4%|█          | 6/160 [01:05<26:48, 10.44s/it]print_dice: 0.5090360641479492,
print_iou: 0.34141409397125244
2447 masks_dr unique: tensor([-3.5860, -3.5756, -3.5639, ..., 4.4118, 4.4176, 4.4276],
2448     grad_fn=<Unique2Backward0>)
2449 masks_dr unique: tensor([-3.5860, -3.5756, -3.5639, ..., 4.4118, 4.4176, 4.4276],
2450     grad_fn=<Unique2Backward0>)
2451 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 11., 12., 13., 14., 15.,
16.])
2452 print_dice: 0.49020135402679443, print_iou: 0.3246799409389496
2453 Epoch 2/4: 4%|█          | 7/160 [01:15<26:12, 10.28s/it]masks_dr unique: tensor([-3.5462
, -3.5330, -3.5090, ..., 4.0165, 4.0290, 4.0421],
2454     grad_fn=<Unique2Backward0>)
2455 masks_dr unique: tensor([-3.5462, -3.5330, -3.5090, ..., 4.0165, 4.0290, 4.0421],
2456     grad_fn=<Unique2Backward0>)
2457 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
15.,
2458     16., 17.])
2459 Epoch 2/4: 5%|█          | 8/160 [01:25<25:41, 10.14s/it]print_dice: 0.5194390416145325,
print_iou: 0.3508393466472626
2460 masks_dr unique: tensor([-3.7268, -3.7113, -3.6960, ..., 4.2683, 4.2737, 4.2748],
2461     grad_fn=<Unique2Backward0>)
2462 masks_dr unique: tensor([-3.7268, -3.7113, -3.6960, ..., 4.2683, 4.2737, 4.2748],
2463     grad_fn=<Unique2Backward0>)
2464 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 9., 11., 12., 13.,
14.,
2465     15., 16., 17., 18.])
2466 Epoch 2/4: 6%|█          | 9/160 [01:35<25:19, 10.06s/it]print_dice: 0.5172261595726013,
print_iou: 0.3488233685493469
2467 masks_dr unique: tensor([-3.4222, -3.4098, -3.4090, ..., 4.1687, 4.1750, 4.1765],
2468     grad_fn=<Unique2Backward0>)
2469 masks_dr unique: tensor([-3.4222, -3.4098, -3.4090, ..., 4.1687, 4.1750, 4.1765],
2470     grad_fn=<Unique2Backward0>)
2471 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
15.,
2472     16., 17.])
2473 Epoch 2/4: 6%|█          | 10/160 [01:45<24:50, 9.94s/it]print_dice: 0.48448646068573,
print_iou: 0.3196846842765808
2474 masks_dr unique: tensor([-3.5971, -3.5961, -3.5960, ..., 4.2448, 4.2518, 4.2551],
2475     grad_fn=<Unique2Backward0>)

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2476 masks_dr unique: tensor([-3.5971, -3.5961, -3.5960, ..., 4.2448, 4.2518, 4.2551],
2477         grad_fn=<Unique2Backward0>)
2478 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
2479         15., 16., 17., 18.])
2480 print_dice: 0.511220395565033, print_iou: 0.34338220953941345
2481 Epoch 2/4: 7%|█          | 11/160 [01:54<24:31, 9.88s/it]masks_dr unique: tensor([-3.5152
2482         , -3.5138, -3.5101, ..., 3.7348, 3.7434, 3.7485],
2483         grad_fn=<Unique2Backward0>)
2484 masks_dr unique: tensor([-3.5152, -3.5138, -3.5101, ..., 3.7348, 3.7434, 3.7485],
2485         grad_fn=<Unique2Backward0>)
2486 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
2487         15., 16., 17.])
2488 Epoch 2/4: 8%|█          | 12/160 [02:04<24:33, 9.95s/it]print_dice: 0.4923590123653412
2489         , print_iou: 0.32657575607299805
2490 masks_dr unique: tensor([-3.5168, -3.5153, -3.5116, ..., 3.7406, 3.7474, 3.7525],
2491         grad_fn=<Unique2Backward0>)
2492 masks_dr unique: tensor([-3.5168, -3.5153, -3.5116, ..., 3.7406, 3.7474, 3.7525],
2493         grad_fn=<Unique2Backward0>)
2494 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 9., 10., 11., 12.,
2495         13., 14., 15., 16., 17., 18., 19.])
2496 print_dice: 0.4600400924682617, print_iou: 0.298735111951828
2497 Epoch 2/4: 8%|█          | 13/160 [02:14<24:06, 9.84s/it]masks_dr unique: tensor([-3.5134
2498         , -3.5120, -3.5083, ..., 3.7417, 3.7438, 3.7489],
2499         grad_fn=<Unique2Backward0>)
2500 masks_dr unique: tensor([-3.5134, -3.5120, -3.5083, ..., 3.7417, 3.7438, 3.7489],
2501         grad_fn=<Unique2Backward0>)
2502 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
2503         15., 16., 17.])
2504 Epoch 2/4: 9%|█          | 14/160 [02:24<24:09, 9.93s/it]print_dice: 0.5444387793540955
2505         , print_iou: 0.3740404546260834
2506 masks_dr unique: tensor([-3.5097, -3.5084, -3.5048, ..., 3.7474, 3.7477, 3.7528],
2507         grad_fn=<Unique2Backward0>)
2508 masks_dr unique: tensor([-3.5097, -3.5084, -3.5048, ..., 3.7474, 3.7477, 3.7528],
2509         grad_fn=<Unique2Backward0>)
2510 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 9., 11., 12., 13.,
2511         14., 15., 16., 17., 18.])
2512 Epoch 2/4: 9%|█          | 15/160 [02:34<23:43, 9.82s/it]print_dice: 0.5068813562393188
2513         , print_iou: 0.3394782841205597
2514 masks_dr unique: tensor([-3.4190, -3.4037, -3.3985, ..., 4.4523, 4.4575, 4.4632],
2515         grad_fn=<Unique2Backward0>)
2516 masks_dr unique: tensor([-3.4190, -3.4037, -3.3985, ..., 4.4523, 4.4575, 4.4632],
2517         grad_fn=<Unique2Backward0>)
2518 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
2519         15., 16., 17.])
2520 print_dice: 0.5641294717788696, print_iou: 0.3928832411766052
2521 Epoch 2/4: 10%|█         | 16/160 [02:44<23:33, 9.82s/it]masks_dr unique: tensor([-3.6570
2522         , -3.6380, -3.6343, ..., 4.6357, 4.6453, 4.6471],
2523         grad_fn=<Unique2Backward0>)
2524 masks_dr unique: tensor([-3.6570, -3.6380, -3.6343, ..., 4.6357, 4.6453, 4.6471],
2525         grad_fn=<Unique2Backward0>)
2526 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 9., 11., 12., 13.,
2527         14., 15., 16., 17.])
2528 Epoch 2/4: 11%|█         | 17/160 [02:54<23:43, 9.95s/it]print_dice: 0.5106723308563232
2529         , print_iou: 0.342887818813324
2530 masks_dr unique: tensor([-3.6685, -3.6667, -3.6558, ..., 4.4845, 4.4949, 4.4956],
2531         grad_fn=<Unique2Backward0>)
2532 masks_dr unique: tensor([-3.6685, -3.6667, -3.6558, ..., 4.4845, 4.4949, 4.4956],
2533         grad_fn=<Unique2Backward0>)
2534 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
2535         15., 16., 17., 18.])
2536 Epoch 2/4: 11%|█         | 18/160 [03:04<23:48, 10.06s/it]print_dice: 0.4624124765396118

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2529 , print_iou: 0.30073896050453186
2530 masks_dr unique: tensor([-4.0203, -4.0020, -3.9897, ..., 4.1327, 4.1362, 4.1427],
2531      grad_fn=<Unique2Backward0>)
2532 masks_dr unique: tensor([-4.0203, -4.0020, -3.9897, ..., 4.1327, 4.1362, 4.1427],
2533      grad_fn=<Unique2Backward0>)
2534 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
15.,
2535      16., 17., 18.])
2536 print_dice: 0.473040372133255, print_iou: 0.30979230999946594
2537 Epoch 2/4: 12%|█          | 19/160 [03:14<23:35, 10.04s/it]masks_dr unique: tensor([-3.9899
, -3.9699, -3.9567, ..., 4.3882, 4.3891, 4.4029],
2538      grad_fn=<Unique2Backward0>)
2539 masks_dr unique: tensor([-3.9899, -3.9699, -3.9567, ..., 4.3882, 4.3891, 4.4029],
2540      grad_fn=<Unique2Backward0>)
2541 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
15.,
2542      16., 17.])
2543 print_dice: 0.465673565864563, print_iou: 0.3035035729408264
2544 Epoch 2/4: 12%|█          | 20/160 [03:24<23:23, 10.02s/it]masks_dr unique: tensor([-3.8093
, -3.7919, -3.7774, ..., 4.5558, 4.5587, 4.5703],
2545      grad_fn=<Unique2Backward0>)
2546 masks_dr unique: tensor([-3.8093, -3.7919, -3.7774, ..., 4.5558, 4.5587, 4.5703],
2547      grad_fn=<Unique2Backward0>)
2548 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
15.,
2549      16., 17.])
2550 Epoch 2/4: 13%|█          | 21/160 [03:34<23:23, 10.09s/it]print_dice: 0.5536129474639893
, print_iou: 0.38275572657585144
2551 masks_dr unique: tensor([-3.4327, -3.4210, -3.4175, ..., 4.6689, 4.6819, 4.6831],
2552      grad_fn=<Unique2Backward0>)
2553 masks_dr unique: tensor([-3.4327, -3.4210, -3.4175, ..., 4.6689, 4.6819, 4.6831],
2554      grad_fn=<Unique2Backward0>)
2555 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
15.,
2556      16., 17.])
2557 print_dice: 0.4899381101131439, print_iou: 0.3244490325450897
2558 Epoch 2/4: 14%|█          | 22/160 [03:44<22:59, 10.00s/it]masks_dr unique: tensor([-3.5667
, -3.5515, -3.5472, ..., 4.5152, 4.5177, 4.5254],
2559      grad_fn=<Unique2Backward0>)
2560 masks_dr unique: tensor([-3.5667, -3.5515, -3.5472, ..., 4.5152, 4.5177, 4.5254],
2561      grad_fn=<Unique2Backward0>)
2562 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
15.,
2563      16., 17., 18.])
2564 Epoch 2/4: 14%|█          | 23/160 [03:54<22:27, 9.84s/it]print_dice: 0.5460972189903259
, print_iou: 0.37560778856277466
2565 masks_dr unique: tensor([-3.4871, -3.4863, -3.4830, ..., 3.7638, 3.7682, 3.7729],
2566      grad_fn=<Unique2Backward0>)
2567 masks_dr unique: tensor([-3.4871, -3.4863, -3.4830, ..., 3.7638, 3.7682, 3.7729],
2568      grad_fn=<Unique2Backward0>)
2569 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
15.,
2570      16., 17.])
2571 print_dice: 0.4401915371417999, print_iou: 0.28220871090888977
2572 Epoch 2/4: 15%|█          | 24/160 [04:03<22:14, 9.81s/it]masks_dr unique: tensor([-3.4295
, -3.4213, -3.3942, ..., 4.1917, 4.1923, 4.1945],
2573      grad_fn=<Unique2Backward0>)
2574 masks_dr unique: tensor([-3.4295, -3.4213, -3.3942, ..., 4.1917, 4.1923, 4.1945],
2575      grad_fn=<Unique2Backward0>)
2576 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 9., 11., 12., 13.,
14.,
2577      15., 16., 17., 18.])
2578 Epoch 2/4: 16%|█          | 25/160 [04:13<22:00, 9.78s/it]print_dice: 0.4535565674304962
, print_iou: 0.2932901084423065
2579 masks_dr unique: tensor([-3.4803, -3.4795, -3.4765, ..., 3.7682, 3.7730, 3.7774],
2580      grad_fn=<Unique2Backward0>)
2581 masks_dr unique: tensor([-3.4803, -3.4795, -3.4765, ..., 3.7682, 3.7730, 3.7774],
2582      grad_fn=<Unique2Backward0>)
2583 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,

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2583 15.,
2584         16., 17., 18.])
2585 Epoch 2/4: 16%|███          | 26/160 [04:23<21:46, 9.75s/it]print_dice: 0.534363865852356,
      print_iou: 0.3645951449871063
2586 masks_dr unique: tensor([-3.8830, -3.8612, -3.8589, ..., 4.5108, 4.5242, 4.5310],
2587         grad_fn=<Unique2Backward0>)
2588 masks_dr unique: tensor([-3.8830, -3.8612, -3.8589, ..., 4.5108, 4.5242, 4.5310],
2589         grad_fn=<Unique2Backward0>)
2590 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
      15.,
2591         16., 17., 18.])
2592 print_dice: 0.5055955648422241, print_iou: 0.3383257985115051
2593 Epoch 2/4: 17%|███          | 27/160 [04:32<21:30, 9.70s/it]masks_dr unique: tensor([-3.6172
      , -3.6034, -3.5839, ..., 3.9137, 3.9209, 3.9216],
2594         grad_fn=<Unique2Backward0>)
2595 masks_dr unique: tensor([-3.6172, -3.6034, -3.5839, ..., 3.9137, 3.9209, 3.9216],
2596         grad_fn=<Unique2Backward0>)
2597 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 9., 10., 11., 12.,
      13.,
2598         14., 15., 16., 17., 18., 19.])
2599 Epoch 2/4: 18%|███          | 28/160 [04:42<21:15, 9.67s/it]print_dice: 0.5177071690559387
      , print_iou: 0.3492610454559326
2600 masks_dr unique: tensor([-3.4767, -3.4759, -3.4733, ..., 3.7833, 3.7847, 3.7924],
2601         grad_fn=<Unique2Backward0>)
2602 masks_dr unique: tensor([-3.4767, -3.4759, -3.4733, ..., 3.7833, 3.7847, 3.7924],
2603         grad_fn=<Unique2Backward0>)
2604 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 9., 11., 12., 13.,
      14.,
2605         15., 16., 17., 18.])
2606 Epoch 2/4: 18%|███          | 29/160 [04:52<21:07, 9.68s/it]print_dice: 0.419800341129303,
      print_iou: 0.2656628489494324
2607 masks_dr unique: tensor([-4.0873, -4.0698, -4.0534, ..., 4.3622, 4.3648, 4.3775],
2608         grad_fn=<Unique2Backward0>)
2609 masks_dr unique: tensor([-4.0873, -4.0698, -4.0534, ..., 4.3622, 4.3648, 4.3775],
2610         grad_fn=<Unique2Backward0>)
2611 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
      15.,
2612         16., 17.])
2613 print_dice: 0.4755822420120239, print_iou: 0.3119763135910034
2614 Epoch 2/4: 19%|███          | 30/160 [05:02<21:06, 9.74s/it]masks_dr unique: tensor([-3.4711
      , -3.4705, -3.4680, ..., 3.7858, 3.7882, 3.7949],
2615         grad_fn=<Unique2Backward0>)
2616 masks_dr unique: tensor([-3.4711, -3.4705, -3.4680, ..., 3.7858, 3.7882, 3.7949],
2617         grad_fn=<Unique2Backward0>)
2618 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
      15.,
2619         16., 17., 18.])
2620 print_dice: 0.4219666123390198, print_iou: 0.267400324344635
2621 Epoch 2/4: 19%|███          | 31/160 [05:12<21:08, 9.83s/it]masks_dr unique: tensor([-3.4669
      , -3.4663, -3.4640, ..., 3.7855, 3.7887, 3.7944],
2622         grad_fn=<Unique2Backward0>)
2623 masks_dr unique: tensor([-3.4669, -3.4663, -3.4640, ..., 3.7855, 3.7887, 3.7944],
2624         grad_fn=<Unique2Backward0>)
2625 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
      15.,
2626         16., 17.])
2627 Epoch 2/4: 20%|███          | 32/160 [05:23<22:00, 10.31s/it]print_dice: 0.5201311111450195
      , print_iou: 0.35147106647491455
2628 masks_dr unique: tensor([-3.4651, -3.4645, -3.4624, ..., 3.7896, 3.7908, 3.7986],
2629         grad_fn=<Unique2Backward0>)
2630 masks_dr unique: tensor([-3.4651, -3.4645, -3.4624, ..., 3.7896, 3.7908, 3.7986],
2631         grad_fn=<Unique2Backward0>)
2632 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
      15.,
2633         16., 17.])
2634 print_dice: 0.45060428977012634, print_iou: 0.29082584381103516
2635 Epoch 2/4: 21%|███          | 33/160 [05:35<22:48, 10.78s/it]masks_dr unique: tensor([-3.4559
      , -3.4554, -3.4534, ..., 3.7908, 3.7934, 3.7998],
2636         grad_fn=<Unique2Backward0>)

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2637 masks_dr unique: tensor([-3.4559, -3.4554, -3.4534, ..., 3.7908, 3.7934, 3.7998],
2638       grad_fn=<Unique2Backward0>)
2639 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
2640       15., 16., 17.])
2641 print_dice: 0.540995180606842, print_iou: 0.37079736590385437
2642 Epoch 2/4: 21%|██████| 34/160 [05:46<22:55, 10.92s/it]masks_dr unique: tensor([-3.3902
2643       , -3.3838, -3.3838, ..., 4.5330, 4.5447, 4.5513],
2644       grad_fn=<Unique2Backward0>)
2645 masks_dr unique: tensor([-3.3902, -3.3838, -3.3838, ..., 4.5330, 4.5447, 4.5513],
2646       grad_fn=<Unique2Backward0>)
2647 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 9., 10., 11., 12.,
2648       13., 14., 15., 16., 17., 18., 19.])
2649 print_dice: 0.4798992872238159, print_iou: 0.31570228934288025
2650 Epoch 2/4: 22%|██████| 35/160 [05:56<22:22, 10.74s/it]masks_dr unique: tensor([-3.4520
2651       , -3.4513, -3.4497, ..., 3.7967, 3.7978, 3.8058],
2652       grad_fn=<Unique2Backward0>)
2653 masks_dr unique: tensor([-3.4520, -3.4513, -3.4497, ..., 3.7967, 3.7978, 3.8058],
2654       grad_fn=<Unique2Backward0>)
2655 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
2656       15., 16., 17.])
2657 print_dice: 0.46169716119766235, print_iou: 0.3001341223716736
2658 Epoch 2/4: 22%|██████| 36/160 [06:07<22:06, 10.70s/it]masks_dr unique: tensor([-3.4470
2659       , -3.4462, -3.4448, ..., 3.7973, 3.7979, 3.8067],
2660       grad_fn=<Unique2Backward0>)
2661 masks_dr unique: tensor([-3.4470, -3.4462, -3.4448, ..., 3.7973, 3.7979, 3.8067],
2662       grad_fn=<Unique2Backward0>)
2663 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 9., 11., 12., 13.,
2664       14., 15., 16., 17., 18.])
2665 Epoch 2/4: 23%|██████| 37/160 [06:17<21:45, 10.61s/it]print_dice: 0.4874132573604584
2666       , print_iou: 0.3222382068634033
2667 masks_dr unique: tensor([-3.2389, -3.2195, -3.2158, ..., 4.0607, 4.0635, 4.0724],
2668       grad_fn=<Unique2Backward0>)
2669 masks_dr unique: tensor([-3.2389, -3.2195, -3.2158, ..., 4.0607, 4.0635, 4.0724],
2670       grad_fn=<Unique2Backward0>)
2671 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
2672       15., 16., 17.])
2673 print_dice: 0.441252201795578, print_iou: 0.28308120369911194
2674 Epoch 2/4: 24%|██████| 38/160 [06:28<21:25, 10.53s/it]masks_dr unique: tensor([-3.4355
2675       , -3.4346, -3.4335, ..., 3.7971, 3.7974, 3.8068],
2676       grad_fn=<Unique2Backward0>)
2677 masks_dr unique: tensor([-3.4355, -3.4346, -3.4335, ..., 3.7971, 3.7974, 3.8068],
2678       grad_fn=<Unique2Backward0>)
2679 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
2680       15., 16., 17.])
2681 print_dice: 0.5685893893241882, print_iou: 0.3972231149673462
2682 Epoch 2/4: 24%|██████| 39/160 [06:38<21:19, 10.57s/it]masks_dr unique: tensor([-3.0891
2683       , -3.0809, -3.0792, ..., 4.4894, 4.4901, 4.4989],
2684       grad_fn=<Unique2Backward0>)
2685 masks_dr unique: tensor([-3.0891, -3.0809, -3.0792, ..., 4.4894, 4.4901, 4.4989],
2686       grad_fn=<Unique2Backward0>)
2687 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
2688       15., 16., 17.])
2689 Epoch 2/4: 25%|██████| 40/160 [06:49<21:06, 10.55s/it]print_dice: 0.4941358268260956
2690       , print_iou: 0.3281410336494446
2691 masks_dr unique: tensor([-3.3643, -3.3328, -3.3085, ..., 4.2525, 4.2604, 4.2634],
2692       grad_fn=<Unique2Backward0>)
2693 masks_dr unique: tensor([-3.3643, -3.3328, -3.3085, ..., 4.2525, 4.2604, 4.2634],
2694       grad_fn=<Unique2Backward0>)
2695 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 9., 11., 12., 13.,
2696       14., 15., 16., 17., 18., 19.])
2697 print_dice: 0.395419180393219, print_iou: 0.24643145501613617

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2691 Epoch 2/4: 26%|██████| 41/160 [07:00<20:58, 10.58s/it]masks_dr unique: tensor([-3.4220
, -3.4208, -3.4203, ..., 3.8038, 3.8062, 3.8160],
2692     grad_fn=<Unique2Backward0>)
2693 masks_dr unique: tensor([-3.4220, -3.4208, -3.4203, ..., 3.8038, 3.8062, 3.8160],
2694     grad_fn=<Unique2Backward0>)
2695 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
15.,
2696     16., 17.])
2697 print_dice: 0.4930378496646881, print_iou: 0.3271733522415161
2698 Epoch 2/4: 26%|██████| 42/160 [07:10<20:50, 10.60s/it]masks_dr unique: tensor([-3.9234
, -3.9070, -3.9033, ..., 4.4402, 4.4468, 4.4579],
2699     grad_fn=<Unique2Backward0>)
2700 masks_dr unique: tensor([-3.9234, -3.9070, -3.9033, ..., 4.4402, 4.4468, 4.4579],
2701     grad_fn=<Unique2Backward0>)
2702 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
15.,
2703     16., 17.])
2704 print_dice: 0.49608710408210754, print_iou: 0.3298642337322235
2705 Epoch 2/4: 27%|██████| 43/160 [07:21<20:33, 10.54s/it]masks_dr unique: tensor([-3.6660
, -3.6461, -3.6334, ..., 4.7633, 4.7737, 4.7754],
2706     grad_fn=<Unique2Backward0>)
2707 masks_dr unique: tensor([-3.6660, -3.6461, -3.6334, ..., 4.7633, 4.7737, 4.7754],
2708     grad_fn=<Unique2Backward0>)
2709 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 11., 12., 13., 14., 15.,
16.])
2710 print_dice: 0.5036351680755615, print_iou: 0.33657243847846985
2711 Epoch 2/4: 28%|██████| 44/160 [07:31<20:19, 10.52s/it]masks_dr unique: tensor([-3.6432
, -3.6216, -3.6185, ..., 4.3288, 4.3293, 4.3296],
2712     grad_fn=<Unique2Backward0>)
2713 masks_dr unique: tensor([-3.6432, -3.6216, -3.6185, ..., 4.3288, 4.3293, 4.3296],
2714     grad_fn=<Unique2Backward0>)
2715 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
15.,
2716     16., 17.])
2717 print_dice: 0.5180965065956116, print_iou: 0.34961557388305664
2718 Epoch 2/4: 28%|██████| 45/160 [07:41<20:02, 10.46s/it]masks_dr unique: tensor([-3.4114
, -3.4099, -3.4097, ..., 3.8109, 3.8235, 3.8339],
2719     grad_fn=<Unique2Backward0>)
2720 masks_dr unique: tensor([-3.4114, -3.4099, -3.4097, ..., 3.8109, 3.8235, 3.8339],
2721     grad_fn=<Unique2Backward0>)
2722 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
15.,
2723     16., 17.])
2724 print_dice: 0.4167407155036926, print_iou: 0.2632169723510742
2725 Epoch 2/4: 29%|██████| 46/160 [07:52<19:50, 10.44s/it]masks_dr unique: tensor([-3.3760
, -3.3510, -3.3493, ..., 4.0842, 4.0921, 4.0990],
2726     grad_fn=<Unique2Backward0>)
2727 masks_dr unique: tensor([-3.3760, -3.3510, -3.3493, ..., 4.0842, 4.0921, 4.0990],
2728     grad_fn=<Unique2Backward0>)
2729 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 9., 11., 12., 13.,
14.,
2730     15., 16., 17., 18.])
2731 print_dice: 0.4266192615032196, print_iou: 0.271148145198822
2732 Epoch 2/4: 29%|██████| 47/160 [08:03<19:55, 10.58s/it]masks_dr unique: tensor([-3.7915
, -3.7727, -3.7599, ..., 4.6652, 4.6687, 4.6796],
2733     grad_fn=<Unique2Backward0>)
2734 masks_dr unique: tensor([-3.7915, -3.7727, -3.7599, ..., 4.6652, 4.6687, 4.6796],
2735     grad_fn=<Unique2Backward0>)
2736 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
15.,
2737     16., 17.])
2738 print_dice: 0.4975915253162384, print_iou: 0.3311959207057953
2739 Epoch 2/4: 30%|██████| 48/160 [08:13<19:40, 10.54s/it]masks_dr unique: tensor([-3.8243
, -3.8089, -3.7966, ..., 4.5043, 4.5294, 4.5437],
2740     grad_fn=<Unique2Backward0>)
2741 masks_dr unique: tensor([-3.8243, -3.8089, -3.7966, ..., 4.5043, 4.5294, 4.5437],
2742     grad_fn=<Unique2Backward0>)
2743 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
15.,

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2744         16., 17.])
2745 Epoch 2/4: 31%|██████| 49/160 [08:23<19:18, 10.43s/it]print_dice: 0.49629050493240356
,   print_iou: 0.330044150352478
2746 masks_dr unique: tensor([-3.7417, -3.7226, -3.7097, ..., 4.6789, 4.6854, 4.6928],
2747         grad_fn=<Unique2Backward0>)
2748 masks_dr unique: tensor([-3.7417, -3.7226, -3.7097, ..., 4.6789, 4.6854, 4.6928],
2749         grad_fn=<Unique2Backward0>)
2750 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
15.,
2751         16., 17.])
2752 print_dice: 0.5030843615531921,   print_iou: 0.3360806703567505
2753 Epoch 2/4: 31%|██████| 50/160 [08:34<19:05, 10.42s/it]masks_dr unique: tensor([-3.2919
, -3.2833, -3.2807, ..., 4.2740, 4.2821, 4.2827],
2754         grad_fn=<Unique2Backward0>)
2755 masks_dr unique: tensor([-3.2919, -3.2833, -3.2807, ..., 4.2740, 4.2821, 4.2827],
2756         grad_fn=<Unique2Backward0>)
2757 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
15.,
2758         16., 17., 18.])
2759 print_dice: 0.5380561947822571,   print_iou: 0.36804166436195374
2760 Epoch 2/4: 32%|██████| 51/160 [08:44<18:51, 10.38s/it]masks_dr unique: tensor([-3.8404
, -3.8391, -3.8357, ..., 4.3356, 4.3427, 4.3500],
2761         grad_fn=<Unique2Backward0>)
2762 masks_dr unique: tensor([-3.8404, -3.8391, -3.8357, ..., 4.3356, 4.3427, 4.3500],
2763         grad_fn=<Unique2Backward0>)
2764 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
15.,
2765         16., 17.])
2766 print_dice: 0.5126973986625671,   print_iou: 0.34471625089645386
2767 Epoch 2/4: 32%|██████| 52/160 [08:54<18:35, 10.33s/it]masks_dr unique: tensor([-3.3819
, -3.3737, -3.3500, ..., 3.9503, 3.9639, 3.9658],
2768         grad_fn=<Unique2Backward0>)
2769 masks_dr unique: tensor([-3.3819, -3.3737, -3.3500, ..., 3.9503, 3.9639, 3.9658],
2770         grad_fn=<Unique2Backward0>)
2771 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
15.,
2772         16., 17., 18.])
2773 print_dice: 0.5130441784858704,   print_iou: 0.34502989053726196
2774 Epoch 2/4: 33%|██████| 53/160 [09:04<18:19, 10.28s/it]masks_dr unique: tensor([-3.5786
, -3.5684, -3.5477, ..., 4.2860, 4.2925, 4.3025],
2775         grad_fn=<Unique2Backward0>)
2776 masks_dr unique: tensor([-3.5786, -3.5684, -3.5477, ..., 4.2860, 4.2925, 4.3025],
2777         grad_fn=<Unique2Backward0>)
2778 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 9., 11., 12., 13.,
14.,
2779         15., 16., 17., 18.])
2780 print_dice: 0.5475074648857117,   print_iou: 0.3769433796405792
2781 Epoch 2/4: 34%|██████| 54/160 [09:15<18:11, 10.30s/it]masks_dr unique: tensor([-3.3913
, -3.3897, -3.3884, ..., 3.8232, 3.8349, 3.8457],
2782         grad_fn=<Unique2Backward0>)
2783 masks_dr unique: tensor([-3.3913, -3.3897, -3.3884, ..., 3.8232, 3.8349, 3.8457],
2784         grad_fn=<Unique2Backward0>)
2785 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 9., 11., 12., 13.,
14.,
2786         15., 16., 17., 18.])
2787 print_dice: 0.5317973494529724,   print_iou: 0.3622097671031952
2788 Epoch 2/4: 34%|██████| 55/160 [09:25<17:59, 10.28s/it]masks_dr unique: tensor([-4.0231
, -4.0055, -3.9896, ..., 4.5071, 4.5168, 4.5343],
2789         grad_fn=<Unique2Backward0>)
2790 masks_dr unique: tensor([-4.0231, -4.0055, -3.9896, ..., 4.5071, 4.5168, 4.5343],
2791         grad_fn=<Unique2Backward0>)
2792 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 9., 10., 11., 12.,
13.,
2793         14., 15., 16., 17., 18., 19.])
2794 print_dice: 0.5030391812324524,   print_iou: 0.33604031801223755
2795 Epoch 2/4: 35%|██████| 56/160 [09:35<17:50, 10.30s/it]masks_dr unique: tensor([-3.1492
, -3.1388, -3.1357, ..., 4.1421, 4.1529, 4.1555],
2796         grad_fn=<Unique2Backward0>)
2797 masks_dr unique: tensor([-3.1492, -3.1388, -3.1357, ..., 4.1421, 4.1529, 4.1555],

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2798     grad_fn=<Unique2Backward0>)
2799 labels_ori unique: tensor([ 0.,  1.,  2.,  3.,  4.,  5.,  6.,  7.,  8., 11., 12., 13., 14.,
15.,
2800     16., 17.])
2801 print_dice: 0.5000029802322388,    print_iou: 0.3333359658718109
2802 Epoch 2/4: 36%|██████    | 57/160 [09:46<17:51, 10.40s/it]masks_dr unique: tensor([-3.3923
, -3.3906, -3.3889, ..., 3.8272, 3.8387, 3.8495],
2803     grad_fn=<Unique2Backward0>)
2804 masks_dr unique: tensor([-3.3923, -3.3906, -3.3889, ..., 3.8272, 3.8387, 3.8495],
2805     grad_fn=<Unique2Backward0>)
2806 labels_ori unique: tensor([ 0.,  1.,  2.,  3.,  4.,  5.,  6.,  7.,  8., 11., 12., 13., 14.,
15.,
2807     16., 17., 18.])
2808 print_dice: 0.5085784196853638,    print_iou: 0.3410024344921112
2809 Epoch 2/4: 36%|██████    | 58/160 [09:57<17:48, 10.48s/it]masks_dr unique: tensor([-3.6285
, -3.6264, -3.6244, ..., 4.6165, 4.6392, 4.6528],
2810     grad_fn=<Unique2Backward0>)
2811 masks_dr unique: tensor([-3.6285, -3.6264, -3.6244, ..., 4.6165, 4.6392, 4.6528],
2812     grad_fn=<Unique2Backward0>)
2813 labels_ori unique: tensor([ 0.,  1.,  2.,  3.,  4.,  5.,  6.,  7., 11., 12., 13., 14., 15.,
16.,
2814     17.])
2815 print_dice: 0.5403666496276855,    print_iou: 0.3702071011066437
2816 Epoch 2/4: 37%|██████    | 59/160 [10:07<17:35, 10.45s/it]masks_dr unique: tensor([-3.4269
, -3.4106, -3.4002, ..., 4.5622, 4.5860, 4.6002],
2817     grad_fn=<Unique2Backward0>)
2818 masks_dr unique: tensor([-3.4269, -3.4106, -3.4002, ..., 4.5622, 4.5860, 4.6002],
2819     grad_fn=<Unique2Backward0>)
2820 labels_ori unique: tensor([ 0.,  1.,  2.,  3.,  4.,  5.,  6.,  7.,  8., 11., 12., 13., 14.,
15.,
2821     16., 17.])
2822 print_dice: 0.5418710708618164,    print_iou: 0.3716208338737488
2823 Epoch 2/4: 38%|██████    | 60/160 [10:17<17:21, 10.41s/it]masks_dr unique: tensor([-3.5976
, -3.5893, -3.5864, ..., 4.6853, 4.6859, 4.7035],
2824     grad_fn=<Unique2Backward0>)
2825 masks_dr unique: tensor([-3.5976, -3.5893, -3.5864, ..., 4.6853, 4.6859, 4.7035],
2826     grad_fn=<Unique2Backward0>)
2827 labels_ori unique: tensor([ 0.,  1.,  2.,  3.,  4.,  5.,  6.,  7.,  8., 11., 12., 13., 14.,
15.,
2828     16., 17.])
2829 print_dice: 0.5215269923210144,    print_iou: 0.35274702310562134
2830 Epoch 2/4: 38%|██████    | 61/160 [10:27<16:57, 10.28s/it]masks_dr unique: tensor([-3.9779
, -3.9587, -3.9555, ..., 4.7276, 4.7481, 4.7648],
2831     grad_fn=<Unique2Backward0>)
2832 masks_dr unique: tensor([-3.9779, -3.9587, -3.9555, ..., 4.7276, 4.7481, 4.7648],
2833     grad_fn=<Unique2Backward0>)
2834 labels_ori unique: tensor([ 0.,  1.,  2.,  3.,  4.,  5.,  6.,  7.,  8., 11., 12., 13., 14.,
15.,
2835     16., 17.])
2836 print_dice: 0.4027068614959717,    print_iou: 0.252118319272995
2837 Epoch 2/4: 39%|██████    | 62/160 [10:38<16:48, 10.29s/it]masks_dr unique: tensor([-3.5839
, -3.5680, -3.5622, ..., 4.3224, 4.3448, 4.3561],
2838     grad_fn=<Unique2Backward0>)
2839 masks_dr unique: tensor([-3.5839, -3.5680, -3.5622, ..., 4.3224, 4.3448, 4.3561],
2840     grad_fn=<Unique2Backward0>)
2841 labels_ori unique: tensor([ 0.,  1.,  2.,  3.,  4.,  5.,  6.,  7.,  8., 11., 12., 13., 14.,
15.,
2842     16., 17.])
2843 print_dice: 0.4664830267429352,    print_iou: 0.30419161915779114
2844 Epoch 2/4: 39%|██████    | 63/160 [10:48<16:36, 10.27s/it]masks_dr unique: tensor([-3.3898
, -3.3880, -3.3858, ..., 3.8351, 3.8465, 3.8572],
2845     grad_fn=<Unique2Backward0>)
2846 masks_dr unique: tensor([-3.3898, -3.3880, -3.3858, ..., 3.8351, 3.8465, 3.8572],
2847     grad_fn=<Unique2Backward0>)
2848 labels_ori unique: tensor([ 0.,  1.,  2.,  3.,  4.,  5.,  6.,  7.,  8.,  9., 11., 12., 13.,
14.,
2849     15., 16., 17., 18.])
2850 print_dice: 0.5074904561042786,    print_iou: 0.3400249481201172
2851 Epoch 2/4: 40%|██████    | 64/160 [10:58<16:34, 10.36s/it]masks_dr unique: tensor([-3.5276

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2851 , -3.5059, -3.5043, ..., 4.1732, 4.1807, 4.1884],
2852     grad_fn=<Unique2Backward0>)
2853 masks_dr unique: tensor([-3.5276, -3.5059, -3.5043, ..., 4.1732, 4.1807, 4.1884],
2854     grad_fn=<Unique2Backward0>)
2855 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 9., 11., 12., 13.,
14.,
2856     15., 16., 17., 18.])
2857 print_dice: 0.46610090136528015, print_iou: 0.30386674404144287
2858 Epoch 2/4: 41%|██████    | 65/160 [11:09<16:27, 10.39s/it]masks_dr unique: tensor([-3.3930
, -3.3754, -3.3605, ..., 4.4272, 4.4288, 4.4421],
2859     grad_fn=<Unique2Backward0>)
2860 masks_dr unique: tensor([-3.3930, -3.3754, -3.3605, ..., 4.4272, 4.4288, 4.4421],
2861     grad_fn=<Unique2Backward0>)
2862 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
15.,
2863     16., 17.])
2864 print_dice: 0.49327224493026733, print_iou: 0.32737982273101807
2865 Epoch 2/4: 41%|██████    | 66/160 [11:19<16:15, 10.38s/it]masks_dr unique: tensor([-3.3016
, -3.3001, -3.2986, ..., 4.2790, 4.2859, 4.2881],
2866     grad_fn=<Unique2Backward0>)
2867 masks_dr unique: tensor([-3.3016, -3.3001, -3.2986, ..., 4.2790, 4.2859, 4.2881],
2868     grad_fn=<Unique2Backward0>)
2869 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
15.,
2870     16., 17.])
2871 print_dice: 0.4340553283691406, print_iou: 0.2771843373775482
2872 Epoch 2/4: 42%|██████    | 67/160 [11:30<16:09, 10.42s/it]masks_dr unique: tensor([-3.3894
, -3.3877, -3.3855, ..., 3.8367, 3.8481, 3.8589],
2873     grad_fn=<Unique2Backward0>)
2874 masks_dr unique: tensor([-3.3894, -3.3877, -3.3855, ..., 3.8367, 3.8481, 3.8589],
2875     grad_fn=<Unique2Backward0>)
2876 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
15.,
2877     16., 17.])
2878 print_dice: 0.488057017326355, print_iou: 0.32280123233795166
2879 Epoch 2/4: 42%|██████    | 68/160 [11:40<15:59, 10.43s/it]masks_dr unique: tensor([-3.8257
, -3.8104, -3.7988, ..., 4.5307, 4.5586, 4.5720],
2880     grad_fn=<Unique2Backward0>)
2881 masks_dr unique: tensor([-3.8257, -3.8104, -3.7988, ..., 4.5307, 4.5586, 4.5720],
2882     grad_fn=<Unique2Backward0>)
2883 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
15.,
2884     16., 17.])
2885 print_dice: 0.41859546303749084, print_iou: 0.2646985352039337
2886 Epoch 2/4: 43%|██████    | 69/160 [11:51<15:46, 10.41s/it]masks_dr unique: tensor([-3.6550
, -3.6380, -3.6357, ..., 4.2296, 4.2315, 4.2404],
2887     grad_fn=<Unique2Backward0>)
2888 masks_dr unique: tensor([-3.6550, -3.6380, -3.6357, ..., 4.2296, 4.2315, 4.2404],
2889     grad_fn=<Unique2Backward0>)
2890 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 9., 11., 12., 13.,
14.,
2891     15., 16., 17.])
2892 print_dice: 0.5100080966949463, print_iou: 0.34228917956352234
2893 Epoch 2/4: 44%|██████    | 70/160 [12:01<15:36, 10.41s/it]masks_dr unique: tensor([-3.9375
, -3.9201, -3.9140, ..., 4.5374, 4.5606, 4.5732],
2894     grad_fn=<Unique2Backward0>)
2895 masks_dr unique: tensor([-3.9375, -3.9201, -3.9140, ..., 4.5374, 4.5606, 4.5732],
2896     grad_fn=<Unique2Backward0>)
2897 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
15.,
2898     16., 17.])
2899 print_dice: 0.46137604117393494, print_iou: 0.2998627722263336
2900 Epoch 2/4: 44%|██████    | 71/160 [12:11<15:17, 10.31s/it]masks_dr unique: tensor([-3.5222
, -3.5115, -3.4869, ..., 4.3693, 4.3770, 4.3894],
2901     grad_fn=<Unique2Backward0>)
2902 masks_dr unique: tensor([-3.5222, -3.5115, -3.4869, ..., 4.3693, 4.3770, 4.3894],
2903     grad_fn=<Unique2Backward0>)
2904 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
15.,

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2905         16., 17., 18.])
2906 print_dice: 0.46210262179374695, print_iou: 0.30047690868377686
2907 Epoch 2/4: 45%|██████| 72/160 [12:22<15:15, 10.41s/it]masks_dr unique: tensor([-3.4016
, -3.3998, -3.3976, ..., 3.8410, 3.8519, 3.8630],
2908         grad_fn=<Unique2Backward0>)
2909 masks_dr unique: tensor([-3.4016, -3.3998, -3.3976, ..., 3.8410, 3.8519, 3.8630],
2910         grad_fn=<Unique2Backward0>)
2911 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
15.,
2912         16., 17.])
2913 Epoch 2/4: 46%|██████| 73/160 [12:33<15:20, 10.58s/it]print_dice: 0.4892871379852295
, print_iou: 0.32387831807136536
2914 masks_dr unique: tensor([-3.8926, -3.8744, -3.8622, ..., 4.4551, 4.4694, 4.4886],
2915         grad_fn=<Unique2Backward0>)
2916 masks_dr unique: tensor([-3.8926, -3.8744, -3.8622, ..., 4.4551, 4.4694, 4.4886],
2917         grad_fn=<Unique2Backward0>)
2918 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 9., 11., 12., 13.,
14.,
2919         15., 16., 17., 18.])
2920 Epoch 2/4: 46%|██████| 74/160 [12:43<15:01, 10.48s/it]print_dice: 0.49055027961730957
, print_iou: 0.32498615980148315
2921 masks_dr unique: tensor([-3.6807, -3.6656, -3.6544, ..., 4.6197, 4.6277, 4.6423],
2922         grad_fn=<Unique2Backward0>)
2923 masks_dr unique: tensor([-3.6807, -3.6656, -3.6544, ..., 4.6197, 4.6277, 4.6423],
2924         grad_fn=<Unique2Backward0>)
2925 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
15.,
2926         16., 17.])
2927 Epoch 2/4: 47%|██████| 75/160 [12:53<14:46, 10.43s/it]print_dice: 0.4573433995246887
, print_iou: 0.29646480083465576
2928 masks_dr unique: tensor([-3.6597, -3.6505, -3.6492, ..., 4.2706, 4.2741, 4.2773],
2929         grad_fn=<Unique2Backward0>)
2930 masks_dr unique: tensor([-3.6597, -3.6505, -3.6492, ..., 4.2706, 4.2741, 4.2773],
2931         grad_fn=<Unique2Backward0>)
2932 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 9., 10., 11., 12.,
13.,
2933         14., 15., 16., 17., 18., 19.])
2934 print_dice: 0.5170296430587769, print_iou: 0.3486446440219879
2935 Epoch 2/4: 48%|██████| 76/160 [13:03<14:25, 10.31s/it]masks_dr unique: tensor([-3.7253
, -3.7049, -3.6935, ..., 4.8153, 4.8167, 4.8285],
2936         grad_fn=<Unique2Backward0>)
2937 masks_dr unique: tensor([-3.7253, -3.7049, -3.6935, ..., 4.8153, 4.8167, 4.8285],
2938         grad_fn=<Unique2Backward0>)
2939 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
15.,
2940         16., 17.])
2941 Epoch 2/4: 48%|██████| 77/160 [13:13<14:12, 10.27s/it]print_dice: 0.49112096428871155
, print_iou: 0.32548728585243225
2942 masks_dr unique: tensor([-3.4204, -3.4183, -3.4164, ..., 3.8371, 3.8480, 3.8591],
2943         grad_fn=<Unique2Backward0>)
2944 masks_dr unique: tensor([-3.4204, -3.4183, -3.4164, ..., 3.8371, 3.8480, 3.8591],
2945         grad_fn=<Unique2Backward0>)
2946 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
15.,
2947         16., 17.])
2948 Epoch 2/4: 49%|██████| 78/160 [13:24<14:00, 10.25s/it]print_dice: 0.4934343695640564
, print_iou: 0.3275226652622223
2949 masks_dr unique: tensor([-3.4219, -3.4198, -3.4181, ..., 3.8375, 3.8484, 3.8595],
2950         grad_fn=<Unique2Backward0>)
2951 masks_dr unique: tensor([-3.4219, -3.4198, -3.4181, ..., 3.8375, 3.8484, 3.8595],
2952         grad_fn=<Unique2Backward0>)
2953 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 11., 12., 13., 14., 15.,
16.,
2954         17.])
2955 print_dice: 0.51052325963974, print_iou: 0.34275344014167786
2956 Epoch 2/4: 49%|██████| 79/160 [13:34<13:42, 10.16s/it]masks_dr unique: tensor([-4.0107
, -3.9942, -3.9840, ..., 4.2396, 4.2619, 4.2714],
2957         grad_fn=<Unique2Backward0>)
2958 masks_dr unique: tensor([-4.0107, -3.9942, -3.9840, ..., 4.2396, 4.2619, 4.2714],

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2959         grad_fn=<Unique2Backward0>)
2960 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
15.,
2961     16., 17.])
2962 print_dice: 0.4700351655483246, print_iou: 0.30721959471702576
2963 Epoch 2/4: 50%|██████| 80/160 [13:43<13:25, 10.07s/it]masks_dr unique: tensor([-3.2179
, -3.2099, -3.2098, ..., 4.4547, 4.4640, 4.4787],
2964     grad_fn=<Unique2Backward0>)
2965 masks_dr unique: tensor([-3.2179, -3.2099, -3.2098, ..., 4.4547, 4.4640, 4.4787],
2966     grad_fn=<Unique2Backward0>)
2967 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
15.,
2968     16., 17.])
2969 Epoch 2/4: 51%|██████| 81/160 [13:53<13:07, 9.97s/it]print_dice: 0.5320367217063904
, print_iou: 0.3624318838119507
2970 masks_dr unique: tensor([-3.7223, -3.7117, -3.7108, ..., 3.9685, 3.9700, 3.9842],
2971     grad_fn=<Unique2Backward0>)
2972 masks_dr unique: tensor([-3.7223, -3.7117, -3.7108, ..., 3.9685, 3.9700, 3.9842],
2973     grad_fn=<Unique2Backward0>)
2974 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
15.,
2975     16., 17.])
2976 Epoch 2/4: 51%|██████| 82/160 [14:03<12:57, 9.97s/it]print_dice: 0.550421953201294,
print_iou: 0.3797118365764618
2977 masks_dr unique: tensor([-3.4112, -3.4016, -3.4014, ..., 4.3373, 4.3415, 4.3614],
2978     grad_fn=<Unique2Backward0>)
2979 masks_dr unique: tensor([-3.4112, -3.4016, -3.4014, ..., 4.3373, 4.3415, 4.3614],
2980     grad_fn=<Unique2Backward0>)
2981 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 9., 11., 12., 13.,
14.,
2982     15., 16., 17., 18.])
2983 Epoch 2/4: 52%|██████| 83/160 [14:13<12:41, 9.90s/it]print_dice: 0.47377365827560425
, print_iou: 0.3104216158390045
2984 masks_dr unique: tensor([-3.5924, -3.5816, -3.5790, ..., 4.2482, 4.2491, 4.2522],
2985     grad_fn=<Unique2Backward0>)
2986 masks_dr unique: tensor([-3.5924, -3.5816, -3.5790, ..., 4.2482, 4.2491, 4.2522],
2987     grad_fn=<Unique2Backward0>)
2988 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 9., 11., 12., 13.,
14.,
2989     15., 16., 17., 18.])
2990 Epoch 2/4: 52%|██████| 84/160 [14:23<12:34, 9.93s/it]print_dice: 0.5378055572509766
, print_iou: 0.3678071200847626
2991 masks_dr unique: tensor([-3.5764, -3.5650, -3.5627, ..., 4.2275, 4.2437, 4.2564],
2992     grad_fn=<Unique2Backward0>)
2993 masks_dr unique: tensor([-3.5764, -3.5650, -3.5627, ..., 4.2275, 4.2437, 4.2564],
2994     grad_fn=<Unique2Backward0>)
2995 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
15.,
2996     16., 17.])
2997 print_dice: 0.46311694383621216, print_iou: 0.3013351857662201
2998 Epoch 2/4: 53%|██████| 85/160 [14:32<12:17, 9.84s/it]masks_dr unique: tensor([-3.7678
, -3.7484, -3.7360, ..., 4.6779, 4.7021, 4.7165],
2999     grad_fn=<Unique2Backward0>)
3000 masks_dr unique: tensor([-3.7678, -3.7484, -3.7360, ..., 4.6779, 4.7021, 4.7165],
3001     grad_fn=<Unique2Backward0>)
3002 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
15.,
3003     16., 17.])
3004 print_dice: 0.4833511710166931, print_iou: 0.3186968266963959
3005 Epoch 2/4: 54%|██████| 86/160 [14:42<12:06, 9.82s/it]masks_dr unique: tensor([-3.8405
, -3.8233, -3.8204, ..., 4.5573, 4.5835, 4.5933],
3006     grad_fn=<Unique2Backward0>)
3007 masks_dr unique: tensor([-3.8405, -3.8233, -3.8204, ..., 4.5573, 4.5835, 4.5933],
3008     grad_fn=<Unique2Backward0>)
3009 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
15.,
3010     16., 17.])
3011 print_dice: 0.5387482047080994, print_iou: 0.36868950724601746
3012 Epoch 2/4: 54%|██████| 87/160 [14:52<11:56, 9.81s/it]masks_dr unique: tensor([-3.4419

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3012 , -3.4397, -3.4395, ..., 3.8336, 3.8451, 3.8564],
3013     grad_fn=<Unique2Backward0>)
3014 masks_dr unique: tensor([-3.4419, -3.4397, -3.4395, ..., 3.8336, 3.8451, 3.8564],
3015     grad_fn=<Unique2Backward0>)
3016 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 9., 11., 12., 13.,
14.,
3017     15., 16., 17., 18.])
3018 print_dice: 0.502251386642456, print_iou: 0.3353375494480133
3019 Epoch 2/4: 55%|███████| 88/160 [15:03<12:03, 10.05s/it]masks_dr unique: tensor([-3.5865
, -3.5756, -3.5565, ..., 4.0703, 4.0751, 4.0806],
3020     grad_fn=<Unique2Backward0>)
3021 masks_dr unique: tensor([-3.5865, -3.5756, -3.5565, ..., 4.0703, 4.0751, 4.0806],
3022     grad_fn=<Unique2Backward0>)
3023 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
15.,
3024     16., 17.])
3025 print_dice: 0.5438275337219238, print_iou: 0.3734637200832367
3026 Epoch 2/4: 56%|███████| 89/160 [15:13<12:06, 10.23s/it]masks_dr unique: tensor([-3.2763
, -3.2685, -3.2471, ..., 4.1696, 4.1741, 4.1746],
3027     grad_fn=<Unique2Backward0>)
3028 masks_dr unique: tensor([-3.2763, -3.2685, -3.2471, ..., 4.1696, 4.1741, 4.1746],
3029     grad_fn=<Unique2Backward0>)
3030 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 11., 12., 13., 14., 15.,
16.,
3031     17.])
3032 Epoch 2/4: 56%|███████| 90/160 [15:24<12:00, 10.29s/it]print_dice: 0.43497756123542786
, print_iou: 0.2779369652271271
3033 masks_dr unique: tensor([-3.1848, -3.1797, -3.1572, ..., 4.0694, 4.0697, 4.0846],
3034     grad_fn=<Unique2Backward0>)
3035 masks_dr unique: tensor([-3.1848, -3.1797, -3.1572, ..., 4.0694, 4.0697, 4.0846],
3036     grad_fn=<Unique2Backward0>)
3037 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 9., 11., 12., 13.,
14.,
3038     15., 16., 17., 18.])
3039 Epoch 2/4: 57%|███████| 91/160 [15:34<11:41, 10.17s/it]print_dice: 0.5139387249946594
, print_iou: 0.3458395302295685
3040 masks_dr unique: tensor([-3.3228, -3.3123, -3.2951, ..., 4.2124, 4.2194, 4.2208],
3041     grad_fn=<Unique2Backward0>)
3042 masks_dr unique: tensor([-3.3228, -3.3123, -3.2951, ..., 4.2124, 4.2194, 4.2208],
3043     grad_fn=<Unique2Backward0>)
3044 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
15.,
3045     16., 17.])
3046 Epoch 2/4: 57%|███████| 92/160 [15:44<11:28, 10.13s/it]print_dice: 0.4657094478607178
, print_iou: 0.30353406071662903
3047 masks_dr unique: tensor([-3.7634, -3.7493, -3.7473, ..., 4.3143, 4.3414, 4.3519],
3048     grad_fn=<Unique2Backward0>)
3049 masks_dr unique: tensor([-3.7634, -3.7493, -3.7473, ..., 4.3143, 4.3414, 4.3519],
3050     grad_fn=<Unique2Backward0>)
3051 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
15.,
3052     16., 17.])
3053 print_dice: 0.41649699211120605, print_iou: 0.2630225419998169
3054 Epoch 2/4: 58%|███████| 93/160 [15:54<11:20, 10.15s/it]masks_dr unique: tensor([-3.5430
, -3.5288, -3.5253, ..., 4.3810, 4.3913, 4.3975],
3055     grad_fn=<Unique2Backward0>)
3056 masks_dr unique: tensor([-3.5430, -3.5288, -3.5253, ..., 4.3810, 4.3913, 4.3975],
3057     grad_fn=<Unique2Backward0>)
3058 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
15.,
3059     16., 17.])
3060 Epoch 2/4: 59%|███████| 94/160 [16:04<11:11, 10.18s/it]print_dice: 0.5018117427825928
, print_iou: 0.3349457383155823
3061 masks_dr unique: tensor([-4.0784, -4.0642, -4.0601, ..., 4.9191, 4.9421, 4.9612],
3062     grad_fn=<Unique2Backward0>)
3063 masks_dr unique: tensor([-4.0784, -4.0642, -4.0601, ..., 4.9191, 4.9421, 4.9612],
3064     grad_fn=<Unique2Backward0>)
3065 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 11., 12., 13., 14., 15.,
16.])

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3066 print_dice: 0.4760327935218811, print_iou: 0.3123641908168793
3067 Epoch 2/4: 59%|███████| 95/160 [16:14<10:59, 10.14s/it]masks_dr unique: tensor([-3.4569
, -3.4550, -3.4539, ..., 3.8277, 3.8390, 3.8503],
3068 grad_fn=<Unique2Backward0>)
3069 masks_dr unique: tensor([-3.4569, -3.4550, -3.4539, ..., 3.8277, 3.8390, 3.8503],
3070 grad_fn=<Unique2Backward0>)
3071 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 11., 12., 13., 14., 15., 16.])
3072 print_dice: 0.46978816390037537, print_iou: 0.3070085644721985
3073 Epoch 2/4: 60%|███████| 96/160 [16:24<10:51, 10.17s/it]masks_dr unique: tensor([-3.4396
, -3.4339, -3.4331, ..., 4.6544, 4.6636, 4.6724],
3074 grad_fn=<Unique2Backward0>)
3075 masks_dr unique: tensor([-3.4396, -3.4339, -3.4331, ..., 4.6544, 4.6636, 4.6724],
3076 grad_fn=<Unique2Backward0>)
3077 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
15.,
3078 16., 17.])
3079 Epoch 2/4: 61%|███████| 97/160 [16:34<10:35, 10.08s/it]print_dice: 0.5178591012954712
, print_iou: 0.3493993878364563
3080 masks_dr unique: tensor([-3.5228, -3.5159, -3.5057, ..., 4.1518, 4.1625, 4.1667],
3081 grad_fn=<Unique2Backward0>)
3082 masks_dr unique: tensor([-3.5228, -3.5159, -3.5057, ..., 4.1518, 4.1625, 4.1667],
3083 grad_fn=<Unique2Backward0>)
3084 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
15.,
3085 16., 17.])
3086 Epoch 2/4: 61%|███████| 98/160 [16:44<10:20, 10.02s/it]print_dice: 0.5082494020462036
, print_iou: 0.3407066762447357
3087 masks_dr unique: tensor([-3.7101, -3.6953, -3.6914, ..., 4.9782, 5.0009, 5.0049],
3088 grad_fn=<Unique2Backward0>)
3089 masks_dr unique: tensor([-3.7101, -3.6953, -3.6914, ..., 4.9782, 5.0009, 5.0049],
3090 grad_fn=<Unique2Backward0>)
3091 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 9., 11., 12., 13.,
14.,
3092 15., 16., 17., 18.])
3093 Epoch 2/4: 62%|███████| 99/160 [16:54<10:05, 9.93s/it]print_dice: 0.44261544942855835
, print_iou: 0.2842043340206146
3094 masks_dr unique: tensor([-3.1997, -3.1897, -3.1724, ..., 4.3646, 4.3777, 4.3812],
3095 grad_fn=<Unique2Backward0>)
3096 masks_dr unique: tensor([-3.1997, -3.1897, -3.1724, ..., 4.3646, 4.3777, 4.3812],
3097 grad_fn=<Unique2Backward0>)
3098 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
15.,
3099 16., 17., 18.])
3100 Epoch 2/4: 62%|███████| 100/160 [17:04<09:57, 9.95s/it]print_dice: 0.43480929732322693
, print_iou: 0.2777995765209198
3101 masks_dr unique: tensor([-3.6600, -3.6438, -3.6430, ..., 4.3734, 4.3850, 4.3898],
3102 grad_fn=<Unique2Backward0>)
3103 masks_dr unique: tensor([-3.6600, -3.6438, -3.6430, ..., 4.3734, 4.3850, 4.3898],
3104 grad_fn=<Unique2Backward0>)
3105 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
15.,
3106 16., 17., 18.])
3107 Epoch 2/4: 63%|███████| 101/160 [17:14<09:46, 9.94s/it]print_dice: 0.4532627463340759
, print_iou: 0.29304441809654236
3108 [100/160] eta: 0:10:14 time: 10.0310 data: 0.0006
3109 masks_dr unique: tensor([-3.4766, -3.4746, -3.4731, ..., 3.8184, 3.8294, 3.8406],
3110 grad_fn=<Unique2Backward0>)
3111 masks_dr unique: tensor([-3.4766, -3.4746, -3.4731, ..., 3.8184, 3.8294, 3.8406],
3112 grad_fn=<Unique2Backward0>)
3113 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
15.,
3114 16., 17., 18.])
3115 print_dice: 0.4511873126029968, print_iou: 0.29131174087524414
3116 Epoch 2/4: 64%|███████| 102/160 [17:24<09:47, 10.13s/it]masks_dr unique: tensor([-3.4825
, -3.4803, -3.4788, ..., 3.8188, 3.8297, 3.8410],
3117 grad_fn=<Unique2Backward0>)
3118 masks_dr unique: tensor([-3.4825, -3.4803, -3.4788, ..., 3.8188, 3.8297, 3.8410],
3119 grad_fn=<Unique2Backward0>)
3120 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,

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3120 15.,
3121     16., 17., 18.])
3122 print_dice: 0.47591251134872437, print_iou: 0.31226062774658203
3123 Epoch 2/4: 64%|███████| 103/160 [17:35<09:39, 10.17s/it]masks_dr unique: tensor([-3.7624
, -3.7603, -3.7550, ..., 4.4248, 4.4466, 4.4586],
3124     grad_fn=<Unique2Backward0>)
3125 masks_dr unique: tensor([-3.7624, -3.7603, -3.7550, ..., 4.4248, 4.4466, 4.4586],
3126     grad_fn=<Unique2Backward0>)
3127 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
15.,
3128     16., 17.])
3129 Epoch 2/4: 65%|███████| 104/160 [17:45<09:26, 10.11s/it]print_dice: 0.46012187004089355
, print_iou: 0.29880407452583313
3130 masks_dr unique: tensor([-3.7076, -3.6890, -3.6830, ..., 4.8503, 4.8675, 4.8736],
3131     grad_fn=<Unique2Backward0>)
3132 masks_dr unique: tensor([-3.7076, -3.6890, -3.6830, ..., 4.8503, 4.8675, 4.8736],
3133     grad_fn=<Unique2Backward0>)
3134 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
15.,
3135     16., 17.])
3136 print_dice: 0.4901282787322998, print_iou: 0.32461583614349365
3137 Epoch 2/4: 66%|███████| 105/160 [17:55<09:13, 10.07s/it]masks_dr unique: tensor([-3.4918
, -3.4894, -3.4880, ..., 3.8179, 3.8281, 3.8398],
3138     grad_fn=<Unique2Backward0>)
3139 masks_dr unique: tensor([-3.4918, -3.4894, -3.4880, ..., 3.8179, 3.8281, 3.8398],
3140     grad_fn=<Unique2Backward0>)
3141 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
15.,
3142     16., 17.])
3143 print_dice: 0.5583899021148682, print_iou: 0.38733768463134766
3144 Epoch 2/4: 66%|███████| 106/160 [18:05<09:02, 10.05s/it]masks_dr unique: tensor([-3.4988
, -3.4962, -3.4949, ..., 3.8192, 3.8294, 3.8410],
3145     grad_fn=<Unique2Backward0>)
3146 masks_dr unique: tensor([-3.4988, -3.4962, -3.4949, ..., 3.8192, 3.8294, 3.8410],
3147     grad_fn=<Unique2Backward0>)
3148 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
15.,
3149     16., 17.])
3150 Epoch 2/4: 67%|███████| 107/160 [18:15<08:51, 10.02s/it]print_dice: 0.519815981388092
, print_iou: 0.35118332505226135
3151 masks_dr unique: tensor([-3.4920, -3.4740, -3.4716, ..., 4.5618, 4.5764, 4.5803],
3152     grad_fn=<Unique2Backward0>)
3153 masks_dr unique: tensor([-3.4920, -3.4740, -3.4716, ..., 4.5618, 4.5764, 4.5803],
3154     grad_fn=<Unique2Backward0>)
3155 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
15.,
3156     16., 17.])
3157 print_dice: 0.515874445438385, print_iou: 0.34759488701820374
3158 Epoch 2/4: 68%|███████| 108/160 [18:24<08:39, 9.99s/it]masks_dr unique: tensor([-3.5082
, -3.5055, -3.5041, ..., 3.8193, 3.8297, 3.8413],
3159     grad_fn=<Unique2Backward0>)
3160 masks_dr unique: tensor([-3.5082, -3.5055, -3.5041, ..., 3.8193, 3.8297, 3.8413],
3161     grad_fn=<Unique2Backward0>)
3162 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
15.,
3163     16., 17., 18.])
3164 Epoch 2/4: 68%|███████| 109/160 [18:35<08:30, 10.01s/it]print_dice: 0.4738674759864807
, print_iou: 0.31050217151641846
3165 masks_dr unique: tensor([-4.1203, -4.1035, -4.0962, ..., 4.3730, 4.3867, 4.3899],
3166     grad_fn=<Unique2Backward0>)
3167 masks_dr unique: tensor([-4.1203, -4.1035, -4.0962, ..., 4.3730, 4.3867, 4.3899],
3168     grad_fn=<Unique2Backward0>)
3169 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
15.,
3170     16., 17.])
3171 Epoch 2/4: 69%|███████| 110/160 [18:44<08:18, 9.98s/it]print_dice: 0.5235762000083923
, print_iou: 0.35462459921836853
3172 masks_dr unique: tensor([-3.9887, -3.9715, -3.9604, ..., 4.6043, 4.6213, 4.6244],
3173     grad_fn=<Unique2Backward0>)

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3174 masks_dr unique: tensor([-3.9887, -3.9715, -3.9604, ..., 4.6043, 4.6213, 4.6244],
3175         grad_fn=<Unique2Backward0>)
3176 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
3177         15., 16., 17.])
3178 print_dice: 0.5657210350036621, print_iou: 0.39442887902259827
3179 Epoch 2/4: 69%|██████████| 111/160 [18:54<08:08, 9.97s/it]masks_dr unique: tensor([-3.8150
3180         , -3.7998, -3.7853, ..., 4.4354, 4.4538, 4.4541],
3181         grad_fn=<Unique2Backward0>)
3182 masks_dr unique: tensor([-3.8150, -3.7998, -3.7853, ..., 4.4354, 4.4538, 4.4541],
3183         grad_fn=<Unique2Backward0>)
3184 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
3185         15., 16., 17.])
3186 print_dice: 0.47404715418815613, print_iou: 0.31065648794174194
3187 Epoch 2/4: 70%|██████████| 112/160 [19:05<08:05, 10.11s/it]masks_dr unique: tensor([-3.7832
3188         , -3.7662, -3.7561, ..., 4.5088, 4.5266, 4.5298],
3189         grad_fn=<Unique2Backward0>)
3190 masks_dr unique: tensor([-3.7832, -3.7662, -3.7561, ..., 4.5088, 4.5266, 4.5298],
3191         grad_fn=<Unique2Backward0>)
3192 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
3193         15., 16., 17.])
3194 print_dice: 0.4757525622844696, print_iou: 0.3121229112148285
3195 Epoch 2/4: 71%|██████████| 113/160 [19:15<07:59, 10.21s/it]masks_dr unique: tensor([-3.5120
3196         , -3.5093, -3.5077, ..., 3.8189, 3.8292, 3.8407],
3197         grad_fn=<Unique2Backward0>)
3198 masks_dr unique: tensor([-3.5120, -3.5093, -3.5077, ..., 3.8189, 3.8292, 3.8407],
3199         grad_fn=<Unique2Backward0>)
3200 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
3201         15., 16., 17.])
3202 Epoch 2/4: 71%|██████████| 114/160 [19:25<07:46, 10.15s/it]masks_dr unique: tensor([-4.1104
3203         , -4.0926, -4.0799, ..., 4.5008, 4.5179, 4.5355],
3204         grad_fn=<Unique2Backward0>)
3205 masks_dr unique: tensor([-4.1104, -4.0926, -4.0799, ..., 4.5008, 4.5179, 4.5355],
3206         grad_fn=<Unique2Backward0>)
3207 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
3208         15., 16., 17., 18.])
3209 Epoch 2/4: 72%|██████████| 115/160 [19:35<07:33, 10.07s/it]print_dice: 0.4958396255970001
3210         , print_iou: 0.32964545488357544
3211 masks_dr unique: tensor([-3.9115, -3.9002, -3.8965, ..., 4.8617, 4.8622, 4.8765],
3212         grad_fn=<Unique2Backward0>)
3213 masks_dr unique: tensor([-3.9115, -3.9002, -3.8965, ..., 4.8617, 4.8622, 4.8765],
3214         grad_fn=<Unique2Backward0>)
3215 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 9., 11., 12., 13.,
3216         14., 15., 16., 17., 18.])
3217 Epoch 2/4: 72%|██████████| 116/160 [19:45<07:20, 10.02s/it]print_dice: 0.49185463786125183
3218         , print_iou: 0.3261321187019348
3219 masks_dr unique: tensor([-3.4188, -3.4132, -3.4112, ..., 4.4479, 4.4560, 4.4637],
3220         grad_fn=<Unique2Backward0>)
3221 masks_dr unique: tensor([-3.4188, -3.4132, -3.4112, ..., 4.4479, 4.4560, 4.4637],
3222         grad_fn=<Unique2Backward0>)
3223 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
3224         15., 16., 17., 18.])
3225 Epoch 2/4: 73%|██████████| 117/160 [19:55<07:08, 9.96s/it]print_dice: 0.4641905128955841
3226         , print_iou: 0.3022448420524597
3227 masks_dr unique: tensor([-3.5826, -3.5817, -3.5702, ..., 4.6484, 4.6656, 4.6695],
3228         grad_fn=<Unique2Backward0>)
3229 masks_dr unique: tensor([-3.5826, -3.5817, -3.5702, ..., 4.6484, 4.6656, 4.6695],
3230         grad_fn=<Unique2Backward0>)
3231 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 9., 11., 12., 13.,
3232         14., 15., 16., 17., 18.])
3233 print_dice: 0.5034412145614624, print_iou: 0.33639922738075256

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3228 Epoch 2/4: 74%|███████| | 118/160 [20:05<06:59, 9.99s/it]masks_dr unique: tensor([-4.1390
, -4.1221, -4.1033, ..., 4.4710, 4.4889, 4.4909],
3229     grad_fn=<Unique2Backward0>)
3230 masks_dr unique: tensor([-4.1390, -4.1221, -4.1033, ..., 4.4710, 4.4889, 4.4909],
3231     grad_fn=<Unique2Backward0>)
3232 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
15.,
3233     16., 17.])
3234 print_dice: 0.5167966485023499, print_iou: 0.3484327495098114
3235 Epoch 2/4: 74%|███████| | 119/160 [20:15<06:52, 10.06s/it]masks_dr unique: tensor([-3.7046
, -3.7015, -3.6883, ..., 4.2299, 4.2388, 4.2464],
3236     grad_fn=<Unique2Backward0>)
3237 masks_dr unique: tensor([-3.7046, -3.7015, -3.6883, ..., 4.2299, 4.2388, 4.2464],
3238     grad_fn=<Unique2Backward0>)
3239 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
15.,
3240     16., 17.])
3241 Epoch 2/4: 75%|███████| | 120/160 [20:25<06:45, 10.15s/it]print_dice: 0.536615788936615
, print_iou: 0.3666950762271881
3242 masks_dr unique: tensor([-3.5165, -3.5136, -3.5120, ..., 3.8263, 3.8371, 3.8482],
3243     grad_fn=<Unique2Backward0>)
3244 masks_dr unique: tensor([-3.5165, -3.5136, -3.5120, ..., 3.8263, 3.8371, 3.8482],
3245     grad_fn=<Unique2Backward0>)
3246 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 9., 11., 12., 13.,
14.,
3247     15., 16., 17., 18.])
3248 Epoch 2/4: 76%|███████| | 121/160 [20:36<06:38, 10.21s/it]print_dice: 0.539536714553833
, print_iou: 0.36942845582962036
3249 masks_dr unique: tensor([-3.5171, -3.5142, -3.5126, ..., 3.8274, 3.8383, 3.8493],
3250     grad_fn=<Unique2Backward0>)
3251 masks_dr unique: tensor([-3.5171, -3.5142, -3.5126, ..., 3.8274, 3.8383, 3.8493],
3252     grad_fn=<Unique2Backward0>)
3253 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
15.,
3254     16., 17.])
3255 print_dice: 0.5194427371025085, print_iou: 0.35084274411201477
3256 Epoch 2/4: 76%|███████| | 122/160 [20:46<06:25, 10.14s/it]masks_dr unique: tensor([-3.1718
, -3.1640, -3.1597, ..., 4.0670, 4.0751, 4.0802],
3257     grad_fn=<Unique2Backward0>)
3258 masks_dr unique: tensor([-3.1718, -3.1640, -3.1597, ..., 4.0670, 4.0751, 4.0802],
3259     grad_fn=<Unique2Backward0>)
3260 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
15.,
3261     16., 17.])
3262 Epoch 2/4: 77%|███████| | 123/160 [20:56<06:18, 10.24s/it]print_dice: 0.4731711447238922
, print_iou: 0.3099045157432556
3263 masks_dr unique: tensor([-3.2164, -3.2077, -3.1915, ..., 4.4433, 4.4561, 4.4619],
3264     grad_fn=<Unique2Backward0>)
3265 masks_dr unique: tensor([-3.2164, -3.2077, -3.1915, ..., 4.4433, 4.4561, 4.4619],
3266     grad_fn=<Unique2Backward0>)
3267 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
15.,
3268     16., 17.])
3269 Epoch 2/4: 78%|███████| | 124/160 [21:07<06:11, 10.33s/it]print_dice: 0.4977344572544098
, print_iou: 0.3313225507736206
3270 masks_dr unique: tensor([-3.6219, -3.6137, -3.5945, ..., 4.6876, 4.6993, 4.7085],
3271     grad_fn=<Unique2Backward0>)
3272 masks_dr unique: tensor([-3.6219, -3.6137, -3.5945, ..., 4.6876, 4.6993, 4.7085],
3273     grad_fn=<Unique2Backward0>)
3274 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
15.,
3275     16., 17.])
3276 Epoch 2/4: 78%|███████| | 125/160 [21:17<06:00, 10.31s/it]print_dice: 0.4802095890045166
, print_iou: 0.31597092747688293
3277 masks_dr unique: tensor([-3.5159, -3.5129, -3.5114, ..., 3.8327, 3.8440, 3.8547],
3278     grad_fn=<Unique2Backward0>)
3279 masks_dr unique: tensor([-3.5159, -3.5129, -3.5114, ..., 3.8327, 3.8440, 3.8547],
3280     grad_fn=<Unique2Backward0>)
3281 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 9., 11., 12., 13.,

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3281 14.,
3282     15., 16., 17., 18.])
3283 Epoch 2/4: 79%|██████████| 126/160 [21:27<05:48, 10.24s/it]print_dice: 0.513812780380249
,   print_iou: 0.34572547674179077
3284 masks_dr unique: tensor([-3.5151, -3.5120, -3.5107, ..., 3.8399, 3.8485, 3.8592],
3285     grad_fn=<Unique2Backward0>)
3286 masks_dr unique: tensor([-3.5151, -3.5120, -3.5107, ..., 3.8399, 3.8485, 3.8592],
3287     grad_fn=<Unique2Backward0>)
3288 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 9., 11., 12., 13.,
14.,
3289     15., 16., 17., 18., 19.])
3290 Epoch 2/4: 79%|██████████| 127/160 [21:37<05:32, 10.07s/it]print_dice: 0.5002326369285583
,   print_iou: 0.3335401713848114
3291 masks_dr unique: tensor([-3.5126, -3.5095, -3.5083, ..., 3.8458, 3.8516, 3.8622],
3292     grad_fn=<Unique2Backward0>)
3293 masks_dr unique: tensor([-3.5126, -3.5095, -3.5083, ..., 3.8458, 3.8516, 3.8622],
3294     grad_fn=<Unique2Backward0>)
3295 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
15.,
3296     16., 17.])
3297 Epoch 2/4: 80%|██████████| 128/160 [21:47<05:19, 9.99s/it]print_dice: 0.4942360818386078
,   print_iou: 0.32822948694229126
3298 masks_dr unique: tensor([-3.8337, -3.8162, -3.7987, ..., 4.6482, 4.6685, 4.6705],
3299     grad_fn=<Unique2Backward0>)
3300 masks_dr unique: tensor([-3.8337, -3.8162, -3.7987, ..., 4.6482, 4.6685, 4.6705],
3301     grad_fn=<Unique2Backward0>)
3302 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 9., 11., 12., 13.,
14.,
3303     15., 16., 17., 18.])
3304 print_dice: 0.5411224961280823,   print_iou: 0.3709169924259186
3305 Epoch 2/4: 81%|██████████| 129/160 [21:57<05:08, 9.96s/it]masks_dr unique: tensor([-3.5258
, -3.5159, -3.4942, ..., 4.1226, 4.1316, 4.1383],
3306     grad_fn=<Unique2Backward0>)
3307 masks_dr unique: tensor([-3.5258, -3.5159, -3.4942, ..., 4.1226, 4.1316, 4.1383],
3308     grad_fn=<Unique2Backward0>)
3309 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
15.,
3310     16., 17.])
3311 print_dice: 0.5481257438659668,   print_iou: 0.37752974033355713
3312 Epoch 2/4: 81%|██████████| 130/160 [22:07<04:59, 9.98s/it]masks_dr unique: tensor([-3.7814
, -3.7809, -3.7800, ..., 4.6022, 4.6054, 4.6058],
3313     grad_fn=<Unique2Backward0>)
3314 masks_dr unique: tensor([-3.7814, -3.7809, -3.7800, ..., 4.6022, 4.6054, 4.6058],
3315     grad_fn=<Unique2Backward0>)
3316 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
15.,
3317     16., 17.])
3318 Epoch 2/4: 82%|██████████| 131/160 [22:17<04:49, 9.97s/it]print_dice: 0.5358867049217224
,   print_iou: 0.3660145103931427
3319 masks_dr unique: tensor([-3.4082, -3.4040, -3.3801, ..., 4.0762, 4.0842, 4.0893],
3320     grad_fn=<Unique2Backward0>)
3321 masks_dr unique: tensor([-3.4082, -3.4040, -3.3801, ..., 4.0762, 4.0842, 4.0893],
3322     grad_fn=<Unique2Backward0>)
3323 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 9., 11., 12., 13.,
14.,
3324     15., 16., 17., 18.])
3325 print_dice: 0.4930351674556732,   print_iou: 0.3271709978580475
3326 Epoch 2/4: 82%|██████████| 132/160 [22:27<04:40, 10.01s/it]masks_dr unique: tensor([-3.8421
, -3.8314, -3.8307, ..., 4.7956, 4.8232, 4.8335],
3327     grad_fn=<Unique2Backward0>)
3328 masks_dr unique: tensor([-3.8421, -3.8314, -3.8307, ..., 4.7956, 4.8232, 4.8335],
3329     grad_fn=<Unique2Backward0>)
3330 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
15.,
3331     16., 17., 18.])
3332 print_dice: 0.42804187536239624,   print_iou: 0.27229851484298706
3333 Epoch 2/4: 83%|██████████| 133/160 [22:36<04:28, 9.93s/it]masks_dr unique: tensor([-3.7212
, -3.7084, -3.6905, ..., 4.3788, 4.3939, 4.3952],
3334     grad_fn=<Unique2Backward0>)

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3335 masks_dr unique: tensor([-3.7212, -3.7084, -3.6905, ..., 4.3788, 4.3939, 4.3952],
3336         grad_fn=<Unique2Backward0>)
3337 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
3338         15., 16., 17.])
3339 Epoch 2/4: 84%|██████████ | 134/160 [22:46<04:17, 9.91s/it]print_dice: 0.4501386284828186
3340 , print_iou: 0.2904379963874817
3341 masks_dr unique: tensor([-3.5037, -3.5005, -3.4997, ..., 3.8666, 3.8697, 3.8768],
3342         grad_fn=<Unique2Backward0>)
3343 masks_dr unique: tensor([-3.5037, -3.5005, -3.4997, ..., 3.8666, 3.8697, 3.8768],
3344         grad_fn=<Unique2Backward0>)
3345 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 9., 11., 12., 13.,
3346         14., 15., 16., 17., 18.])
3347 Epoch 2/4: 84%|██████████ | 135/160 [22:56<04:07, 9.88s/it]print_dice: 0.48764660954475403
3348 , print_iou: 0.3224422335624695
3349 masks_dr unique: tensor([-3.7451, -3.7246, -3.7215, ..., 4.4379, 4.4389, 4.4393],
3350         grad_fn=<Unique2Backward0>)
3351 masks_dr unique: tensor([-3.7451, -3.7246, -3.7215, ..., 4.4379, 4.4389, 4.4393],
3352         grad_fn=<Unique2Backward0>)
3353 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
3354         15., 16., 17.])
3355 print_dice: 0.5103850364685059, print_iou: 0.3426288664340973
3356 Epoch 2/4: 85%|██████████ | 136/160 [23:06<03:57, 9.91s/it]masks_dr unique: tensor([-3.6208
3357         , -3.6067, -3.6038, ..., 4.2644, 4.2751, 4.2801],
3358         grad_fn=<Unique2Backward0>)
3359 masks_dr unique: tensor([-3.6208, -3.6067, -3.6038, ..., 4.2644, 4.2751, 4.2801],
3360         grad_fn=<Unique2Backward0>)
3361 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
3362         15., 16., 17.])
3363 print_dice: 0.466327041387558, print_iou: 0.3040589690208435
3364 Epoch 2/4: 86%|██████████ | 137/160 [23:16<03:50, 10.00s/it]masks_dr unique: tensor([-3.5368
3365         , -3.5258, -3.5242, ..., 4.8416, 4.8597, 4.8632],
3366         grad_fn=<Unique2Backward0>)
3367 masks_dr unique: tensor([-3.5368, -3.5258, -3.5242, ..., 4.8416, 4.8597, 4.8632],
3368         grad_fn=<Unique2Backward0>)
3369 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 9., 11., 12., 13.,
3370         14., 15., 16., 17., 18.])
3371 Epoch 2/4: 86%|██████████ | 138/160 [23:26<03:39, 10.00s/it]print_dice: 0.5320163369178772
3372 , print_iou: 0.3624129891395569
3373 masks_dr unique: tensor([-3.4986, -3.4906, -3.4711, ..., 4.4561, 4.4636, 4.4738],
3374         grad_fn=<Unique2Backward0>)
3375 masks_dr unique: tensor([-3.4986, -3.4906, -3.4711, ..., 4.4561, 4.4636, 4.4738],
3376         grad_fn=<Unique2Backward0>)
3377 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 9., 11., 12., 13.,
3378         14., 15., 16., 17.])
3379 Epoch 2/4: 87%|██████████ | 139/160 [23:36<03:29, 9.99s/it]print_dice: 0.5686279535293579
3380 , print_iou: 0.39726078510284424
3381 masks_dr unique: tensor([-3.8927, -3.8713, -3.8697, ..., 4.7678, 4.7772, 4.7872],
3382         grad_fn=<Unique2Backward0>)
3383 masks_dr unique: tensor([-3.8927, -3.8713, -3.8697, ..., 4.7678, 4.7772, 4.7872],
3384         grad_fn=<Unique2Backward0>)
3385 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
3386         15., 16., 17.])
3387 print_dice: 0.46029332280158997, print_iou: 0.2989487051963806
3388 Epoch 2/4: 88%|██████████ | 140/160 [23:46<03:20, 10.01s/it]masks_dr unique: tensor([-4.1276
3389         , -4.1138, -4.1105, ..., 4.4258, 4.4275, 4.4298],
3390         grad_fn=<Unique2Backward0>)
3391 masks_dr unique: tensor([-4.1276, -4.1138, -4.1105, ..., 4.4258, 4.4275, 4.4298],
3392         grad_fn=<Unique2Backward0>)
3393 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 9., 11., 12., 13.,
3394         14., 15., 16., 17., 18., 19.])
3395 print_dice: 0.44567781686782837, print_iou: 0.28673452138900757

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3389 Epoch 2/4: 88%|██████████| 141/160 [23:56<03:09, 9.98s/it]masks_dr unique: tensor([-3.5021
, -3.4984, -3.4981, ..., 3.8756, 3.8806, 3.8859],
3390     grad_fn=<Unique2Backward0>)
3391 masks_dr unique: tensor([-3.5021, -3.4984, -3.4981, ..., 3.8756, 3.8806, 3.8859],
3392     grad_fn=<Unique2Backward0>)
3393 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
15.,
3394     16., 17.])
3395 print_dice: 0.4906249940395355, print_iou: 0.32505175471305847
3396 Epoch 2/4: 89%|██████████| 142/160 [24:06<02:59, 9.98s/it]masks_dr unique: tensor([-3.6917
, -3.6881, -3.6735, ..., 4.6842, 4.6982, 4.7043],
3397     grad_fn=<Unique2Backward0>)
3398 masks_dr unique: tensor([-3.6917, -3.6881, -3.6735, ..., 4.6842, 4.6982, 4.7043],
3399     grad_fn=<Unique2Backward0>)
3400 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
15.,
3401     16., 17., 18.])
3402 print_dice: 0.4868326485157013, print_iou: 0.3217308819293976
3403 Epoch 2/4: 89%|██████████| 143/160 [24:16<02:49, 9.98s/it]masks_dr unique: tensor([-3.5030
, -3.4995, -3.4987, ..., 3.8804, 3.8844, 3.8905],
3404     grad_fn=<Unique2Backward0>)
3405 masks_dr unique: tensor([-3.5030, -3.4995, -3.4987, ..., 3.8804, 3.8844, 3.8905],
3406     grad_fn=<Unique2Backward0>)
3407 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
15.,
3408     16., 17.])
3409 print_dice: 0.4347631335258484, print_iou: 0.27776187658309937
3410 Epoch 2/4: 90%|██████████| 144/160 [24:26<02:38, 9.93s/it]masks_dr unique: tensor([-3.0864
, -3.0656, -3.0654, ..., 4.0142, 4.0205, 4.0242],
3411     grad_fn=<Unique2Backward0>)
3412 masks_dr unique: tensor([-3.0864, -3.0656, -3.0654, ..., 4.0142, 4.0205, 4.0242],
3413     grad_fn=<Unique2Backward0>)
3414 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
15.,
3415     16., 17.])
3416 Epoch 2/4: 91%|██████████| 145/160 [24:36<02:28, 9.88s/it]print_dice: 0.46983811259269714
, print_iou: 0.30705124139785767
3417 masks_dr unique: tensor([-3.4994, -3.4961, -3.4951, ..., 3.8820, 3.8882, 3.8902],
3418     grad_fn=<Unique2Backward0>)
3419 masks_dr unique: tensor([-3.4994, -3.4961, -3.4951, ..., 3.8820, 3.8882, 3.8902],
3420     grad_fn=<Unique2Backward0>)
3421 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 9., 11., 12., 13.,
14.,
3422     15., 16., 17., 18.])
3423 Epoch 2/4: 91%|██████████| 146/160 [24:46<02:18, 9.90s/it]print_dice: 0.5205788016319275
, print_iou: 0.3518800139427185
3424 masks_dr unique: tensor([-4.1351, -4.1223, -4.1175, ..., 4.5444, 4.5604, 4.5605],
3425     grad_fn=<Unique2Backward0>)
3426 masks_dr unique: tensor([-4.1351, -4.1223, -4.1175, ..., 4.5444, 4.5604, 4.5605],
3427     grad_fn=<Unique2Backward0>)
3428 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
15.,
3429     16., 17.])
3430 print_dice: 0.5350866317749023, print_iou: 0.36526843905448914
3431 Epoch 2/4: 92%|██████████| 147/160 [24:56<02:08, 9.90s/it]masks_dr unique: tensor([-3.7416
, -3.7290, -3.7251, ..., 4.8375, 4.8573, 4.8638],
3432     grad_fn=<Unique2Backward0>)
3433 masks_dr unique: tensor([-3.7416, -3.7290, -3.7251, ..., 4.8375, 4.8573, 4.8638],
3434     grad_fn=<Unique2Backward0>)
3435 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 9., 11., 12., 13.,
14.,
3436     15., 16., 17., 18.])
3437 Epoch 2/4: 92%|██████████| 148/160 [25:06<01:59, 9.98s/it]print_dice: 0.5283214449882507
, print_iou: 0.35899239778518677
3438 masks_dr unique: tensor([-3.4628, -3.4533, -3.4527, ..., 4.0089, 4.0241, 4.0267],
3439     grad_fn=<Unique2Backward0>)
3440 masks_dr unique: tensor([-3.4628, -3.4533, -3.4527, ..., 4.0089, 4.0241, 4.0267],
3441     grad_fn=<Unique2Backward0>)
3442 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 9., 11., 12., 13.,

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3442 14.,
3443     15., 16., 17., 18.])
3444 Epoch 2/4: 93%|██████████| 149/160 [25:16<01:50, 10.01s/it]print_dice: 0.46151378750801086
,   print_iou: 0.29997915029525757
3445 masks_dr unique: tensor([-3.1928, -3.1898, -3.1839, ..., 4.2024, 4.2030, 4.2176],
3446     grad_fn=<Unique2Backward0>)
3447 masks_dr unique: tensor([-3.1928, -3.1898, -3.1839, ..., 4.2024, 4.2030, 4.2176],
3448     grad_fn=<Unique2Backward0>)
3449 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 11., 12., 13., 14., 15.,
16.,
3450     17.])
3451 print_dice: 0.5447251796722412,   print_iou: 0.37431085109710693
3452 Epoch 2/4: 94%|██████████| 150/160 [25:26<01:41, 10.14s/it]masks_dr unique: tensor([-3.4271
, -3.4173, -3.4028, ..., 4.5891, 4.6070, 4.6105],
3453     grad_fn=<Unique2Backward0>)
3454 masks_dr unique: tensor([-3.4271, -3.4173, -3.4028, ..., 4.5891, 4.6070, 4.6105],
3455     grad_fn=<Unique2Backward0>)
3456 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
15.,
3457     16., 17., 18.])
3458 Epoch 2/4: 94%|██████████| 151/160 [25:37<01:32, 10.26s/it]print_dice: 0.49766963720321655
,   print_iou: 0.3312651216983795
3459 masks_dr unique: tensor([-3.7440, -3.7390, -3.7373, ..., 4.3200, 4.3375, 4.3462],
3460     grad_fn=<Unique2Backward0>)
3461 masks_dr unique: tensor([-3.7440, -3.7390, -3.7373, ..., 4.3200, 4.3375, 4.3462],
3462     grad_fn=<Unique2Backward0>)
3463 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
15.,
3464     16., 17.])
3465 print_dice: 0.5143737196922302,   print_iou: 0.3462335765361786
3466 Epoch 2/4: 95%|██████████| 152/160 [25:47<01:21, 10.17s/it]masks_dr unique: tensor([-3.4939
, -3.4907, -3.4890, ..., 3.8965, 3.8977, 3.9059],
3467     grad_fn=<Unique2Backward0>)
3468 masks_dr unique: tensor([-3.4939, -3.4907, -3.4890, ..., 3.8965, 3.8977, 3.9059],
3469     grad_fn=<Unique2Backward0>)
3470 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
15.,
3471     16., 17., 18.])
3472 print_dice: 0.49950289726257324,   print_iou: 0.3328916132450104
3473 Epoch 2/4: 96%|██████████| 153/160 [25:57<01:11, 10.16s/it]masks_dr unique: tensor([-4.0285
, -4.0227, -4.0125, ..., 4.6684, 4.6821, 4.6961],
3474     grad_fn=<Unique2Backward0>)
3475 masks_dr unique: tensor([-4.0285, -4.0227, -4.0125, ..., 4.6684, 4.6821, 4.6961],
3476     grad_fn=<Unique2Backward0>)
3477 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
15.,
3478     16., 17.])
3479 Epoch 2/4: 96%|██████████| 154/160 [26:07<01:00, 10.11s/it]print_dice: 0.49495795369148254
,   print_iou: 0.32886651158332825
3480 masks_dr unique: tensor([-4.0343, -4.0187, -3.9980, ..., 4.4198, 4.4386, 4.4393],
3481     grad_fn=<Unique2Backward0>)
3482 masks_dr unique: tensor([-4.0343, -4.0187, -3.9980, ..., 4.4198, 4.4386, 4.4393],
3483     grad_fn=<Unique2Backward0>)
3484 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 9., 11., 12., 13.,
14.,
3485     15., 16., 17., 18., 19.])
3486 Epoch 2/4: 97%|██████████| 155/160 [26:17<00:50, 10.05s/it]print_dice: 0.5225434899330139
,   print_iou: 0.35367774963378906
3487 masks_dr unique: tensor([-3.4918, -3.4887, -3.4868, ..., 3.8993, 3.8997, 3.9085],
3488     grad_fn=<Unique2Backward0>)
3489 masks_dr unique: tensor([-3.4918, -3.4887, -3.4868, ..., 3.8993, 3.8997, 3.9085],
3490     grad_fn=<Unique2Backward0>)
3491 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
15.,
3492     16., 17.])
3493 print_dice: 0.4727489948272705,   print_iou: 0.3095424473285675
3494 Epoch 2/4: 98%|██████████| 156/160 [26:27<00:40, 10.05s/it]masks_dr unique: tensor([-3.8102
, -3.7995, -3.7939, ..., 4.6077, 4.6151, 4.6285],
3495     grad_fn=<Unique2Backward0>)

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3496 masks_dr unique: tensor([-3.8102, -3.7995, -3.7939, ..., 4.6077, 4.6151, 4.6285],
3497       grad_fn=<Unique2Backward0>)
3498 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
3499       15., 16., 17.])
3500 print_dice: 0.44353577494621277, print_iou: 0.2849636971950531
3501 Epoch 2/4: 98%|██████████| 157/160 [26:37<00:30, 10.01s/it]masks_dr unique: tensor([-3.7302
3502       , -3.7156, -3.7047, ..., 4.3307, 4.3323, 4.3386],
3503       grad_fn=<Unique2Backward0>)
3504 masks_dr unique: tensor([-3.7302, -3.7156, -3.7047, ..., 4.3307, 4.3323, 4.3386],
3505       grad_fn=<Unique2Backward0>)
3506 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 9., 11., 12., 13.,
3507       14., 15., 16., 17., 18.])
3508 Epoch 2/4: 99%|██████████| 158/160 [26:47<00:20, 10.03s/it]print_dice: 0.4610291123390198
3509       , print_iou: 0.2995697557926178
3510 masks_dr unique: tensor([-3.6687, -3.6683, -3.6657, ..., 4.5671, 4.5902, 4.6001],
3511       grad_fn=<Unique2Backward0>)
3512 masks_dr unique: tensor([-3.6687, -3.6683, -3.6657, ..., 4.5671, 4.5902, 4.6001],
3513       grad_fn=<Unique2Backward0>)
3514 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 11., 12., 13., 14.,
3515       15., 16., 17.])
3516 Epoch 2/4: 99%|██████████| 159/160 [26:57<00:09, 9.97s/it]print_dice: 0.49477213621139526
3517       , print_iou: 0.32870247960090637
3518 masks_dr unique: tensor([-3.8015, -3.7904, -3.7839, ..., 4.2786, 4.2849, 4.2898],
3519       grad_fn=<Unique2Backward0>)
3520 masks_dr unique: tensor([-3.8015, -3.7904, -3.7839, ..., 4.2786, 4.2849, 4.2898],
3521       grad_fn=<Unique2Backward0>)
3522 labels_ori unique: tensor([ 0., 1., 2., 3., 4., 5., 6., 7., 8., 9., 10., 11., 12.,
3523       13., 14., 15., 16., 17., 18., 19.])
3524 Epoch 2/4: 100%|██████████| 160/160 [27:06<00:00, 9.91s/it]print_dice: 0.49867773056030273
3525       , print_iou: 0.33215901255607605
3526 [159/160] eta: 0:00:10 time: 10.0070 data: 0.0007
3527 Epoch 2/4: 100%|██████████| 160/160 [27:08<00:00, 10.18s/it]
3528 Total time: 0:27:08 (10.1760 s / it)
3529 Averaged stats: training_loss: 49.0118 (49.0118) loss_mask: 48.7321 (48.7321) loss_dice: 0
3530       .2797 (0.2797)
3531 Net parameter norm: 1055.153509345837
3532 Validating...
3533 Valid_data_loader len: 12
3534 0%|          | 0/12 [00:00<?, ?it/s]Traceback (most recent call last):
3535   File "<string>", line 1, in <module>
3536   File "D:\Anaconda\envs\sammed3d\lib\multiprocessing\spawn.py", line 116, in spawn_main
3537     exitcode = _main(fd, parent_sentinel)
3538   File "D:\Anaconda\envs\sammed3d\lib\multiprocessing\spawn.py", line 125, in _main
3539     prepare(preparation_data)
3540   File "D:\Anaconda\envs\sammed3d\lib\multiprocessing\spawn.py", line 236, in prepare
3541     _fixup_main_from_path(data['init_main_from_path'])
3542   File "D:\Anaconda\envs\sammed3d\lib\multiprocessing\spawn.py", line 287, in
3543     _fixup_main_from_path
3544     main_content = runpy.run_path(main_path,
3545   File "D:\Anaconda\envs\sammed3d\lib\runpy.py", line 288, in run_path
3546     code, fname = _get_code_from_file(run_name, path_name)
3547   File "D:\Anaconda\envs\sammed3d\lib\runpy.py", line 257, in _get_code_from_file
3548     code = compile(f.read(), fname, 'exec')
3549   File "D:\Desktop\3D_segmentation\3D-DRSAM\3D-DRSAM-Git\train_single_3D_debug.py", line 831
3550     print_dice, print_iou = get_dicewithiou_score(prev_masks=masks_dr, gt3D=labels)
3551 IndentationError: unexpected indent
3552 0%|          | 0/12 [00:05<?, ?it/s]
3553 Traceback (most recent call last):
3554   File "D:\Anaconda\envs\sammed3d\lib\site-packages\torch\utils\data\data_loader.py", line
3555     1251, in _try_get_data
3556     data = self._data_queue.get(timeout=timeout)
3557   File "D:\Anaconda\envs\sammed3d\lib\multiprocessing\queues.py", line 114, in get
3558     raise Empty
3559 _queue.Empty
3560

```

```
3554 The above exception was the direct cause of the following exception:
3555
3556 Traceback (most recent call last):
3557   File "D:\Desktop\3D_segmentation\3D-DRSAM\3D-DRSAM-Git\train_single_3D_debug.py", line
    1077, in <module>
3558     main(net, sam, train_datasets, valid_datasets, args)
3559   File "D:\Desktop\3D_segmentation\3D-DRSAM\3D-DRSAM-Git\train_single_3D_debug.py", line 683
    , in main
3560     train(args, net, sam, optimizer, optimizer_sam, train_dataloaders, valid_dataloaders,
    lr_scheduler,
3561   File "D:\Desktop\3D_segmentation\3D-DRSAM\3D-DRSAM-Git\train_single_3D_debug.py", line 844
    , in train
3562     test_stats = evaluate(args, net, sam, valid_dataloaders)
3563   File "D:\Desktop\3D_segmentation\3D-DRSAM\3D-DRSAM-Git\train_single_3D_debug.py", line 883
    , in evaluate
3564     for data_val in tqdm(metric_logger.log_every(valid_dataloader, 100), total=len(
    valid_dataloader)):
3565   File "D:\Anaconda\envs\sammed3d\lib\site-packages\tqdm\std.py", line 1181, in __iter__
3566     for obj in iterable:
3567   File "D:\Desktop\3D_segmentation\3D-DRSAM\3D-DRSAM-Git\utils\misc.py", line 237, in
    log_every
3568     for obj in iterable:
3569   File "D:\Anaconda\envs\sammed3d\lib\site-packages\torch\utils\data\dataloader.py", line
    708, in __next__
3570     data = self._next_data()
3571   File "D:\Anaconda\envs\sammed3d\lib\site-packages\torch\utils\data\dataloader.py", line
    1458, in _next_data
3572     idx, data = self._get_data()
3573   File "D:\Anaconda\envs\sammed3d\lib\site-packages\torch\utils\data\dataloader.py", line
    1420, in _get_data
3574     success, data = self._try_get_data()
3575   File "D:\Anaconda\envs\sammed3d\lib\site-packages\torch\utils\data\dataloader.py", line
    1264, in _try_get_data
3576     raise RuntimeError(
3577 RuntimeError: DataLoader worker (pid(s) 23028) exited unexpectedly
3578
3579 Process finished with exit code 1
3580
```