

```
1 C:\Users\wangy\anaconda3\envs\tabsyn\python.exe "C:\  
    important on surface\Waterloo Research\  
    chippie_cluster_research\tabsyn\main.py" --dataname  
    adult --method tabsyn --mode train  
2 device: cuda:0NVIDIA GeForce RTX 4090  
3 C:\important on surface\Waterloo Research\  
    chippie_cluster_research\tabsyn\tabsyn/ckpt/adult/  
4 Epoch 1/10001: 0% | 0/8 [00:00<?, ?it/s]  
    MLPDiffusion(  
5     (proj): Linear(in_features=60, out_features=1024,  
        bias=True)  
6     (mlp): Sequential(  
7         (0): Linear(in_features=1024, out_features=2048,  
            bias=True)  
8         (1): SiLU()  
9         (2): Linear(in_features=2048, out_features=2048,  
            bias=True)  
10        (3): SiLU()  
11        (4): Linear(in_features=2048, out_features=1024,  
            bias=True)  
12        (5): SiLU()  
13        (6): Linear(in_features=1024, out_features=60,  
            bias=True)  
14    )  
15    (map_noise): PositionalEmbedding()  
16    (time_embed): Sequential(  
17        (0): Linear(in_features=1024, out_features=1024,  
            bias=True)  
18        (1): SiLU()  
19        (2): Linear(in_features=1024, out_features=1024,  
            bias=True)  
20    )  
21 )  
22 the number of parameters 10616892  
23 Epoch 1/10001: 100% [██████████] | 8/8 [00:07<00:00, 1.  
    13it/s, Loss=0.743]  
24 Epoch 2/10001: 100% [██████████] | 8/8 [00:05<00:00, 1.  
    55it/s, Loss=0.686]  
25 Epoch 3/10001: 100% [██████████] | 8/8 [00:04<00:00, 1.  
    68it/s, Loss=0.661]  
26 Epoch 4/10001: 100% [██████████] | 8/8 [00:04<00:00, 1.
```

26	82it/s, Loss=0.625]
27	Epoch 5/10001: 100% [██████████ 8/8 [00:04<00:00, 1. 68it/s, Loss=0.598]
28	Epoch 6/10001: 100% [██████████ 8/8 [00:04<00:00, 1. 75it/s, Loss=0.562]
29	Epoch 7/10001: 100% [██████████ 8/8 [00:04<00:00, 1. 91it/s, Loss=0.527]
30	Epoch 8/10001: 100% [██████████ 8/8 [00:04<00:00, 1. 61it/s, Loss=0.523]
31	Epoch 9/10001: 100% [██████████ 8/8 [00:04<00:00, 1. 84it/s, Loss=0.495]
32	Epoch 10/10001: 100% [██████████ 8/8 [00:04<00:00, 1 .61it/s, Loss=0.481]
33	Epoch 11/10001: 100% [██████████ 8/8 [00:04<00:00, 1 .83it/s, Loss=0.476]
34	Epoch 12/10001: 100% [██████████ 8/8 [00:05<00:00, 1 .54it/s, Loss=0.464]
35	Epoch 13/10001: 100% [██████████ 8/8 [00:04<00:00, 1 .76it/s, Loss=0.45]
36	Epoch 14/10001: 100% [██████████ 8/8 [00:04<00:00, 1 .60it/s, Loss=0.441]
37	Epoch 15/10001: 100% [██████████ 8/8 [00:04<00:00, 1 .75it/s, Loss=0.426]
38	Epoch 16/10001: 100% [██████████ 8/8 [00:04<00:00, 1 .75it/s, Loss=0.406]
39	Epoch 17/10001: 100% [██████████ 8/8 [00:04<00:00, 1 .75it/s, Loss=0.399]
40	Epoch 18/10001: 100% [██████████ 8/8 [00:05<00:00, 1 .55it/s, Loss=0.394]
41	Epoch 19/10001: 100% [██████████ 8/8 [00:04<00:00, 1 .76it/s, Loss=0.385]
42	Epoch 20/10001: 100% [██████████ 8/8 [00:05<00:00, 1 .59it/s, Loss=0.371]
43	Epoch 21/10001: 100% [██████████ 8/8 [00:04<00:00, 1 .63it/s, Loss=0.363]
44	Epoch 22/10001: 100% [██████████ 8/8 [00:04<00:00, 1 .67it/s, Loss=0.357]
45	Epoch 23/10001: 100% [██████████ 8/8 [00:04<00:00, 1 .75it/s, Loss=0.349]
46	Epoch 24/10001: 100% [██████████ 8/8 [00:04<00:00, 1 .61it/s, Loss=0.345]

47	Epoch 25/10001: 100% ██████████ 8/8 [00:04<00:00, 1 .82it/s, Loss=0.339]
48	Epoch 26/10001: 100% ██████████ 8/8 [00:04<00:00, 1 .68it/s, Loss=0.342]
49	Epoch 27/10001: 100% ██████████ 8/8 [00:04<00:00, 1 .74it/s, Loss=0.337]
50	Epoch 28/10001: 100% ██████████ 8/8 [00:04<00:00, 1 .75it/s, Loss=0.32]
51	Epoch 29/10001: 100% ██████████ 8/8 [00:04<00:00, 1 .90it/s, Loss=0.313]
52	Epoch 30/10001: 100% ██████████ 8/8 [00:04<00:00, 1 .76it/s, Loss=0.318]
53	Epoch 31/10001: 100% ██████████ 8/8 [00:04<00:00, 1 .83it/s, Loss=0.313]
54	Epoch 32/10001: 100% ██████████ 8/8 [00:04<00:00, 1 .83it/s, Loss=0.303]
55	Epoch 33/10001: 100% ██████████ 8/8 [00:04<00:00, 1 .67it/s, Loss=0.295]
56	Epoch 34/10001: 100% ██████████ 8/8 [00:04<00:00, 1 .67it/s, Loss=0.299]
57	Epoch 35/10001: 100% ██████████ 8/8 [00:05<00:00, 1 .49it/s, Loss=0.295]
58	Epoch 36/10001: 100% ██████████ 8/8 [00:05<00:00, 1 .43it/s, Loss=0.288]
59	Epoch 37/10001: 100% ██████████ 8/8 [00:04<00:00, 1 .75it/s, Loss=0.29]
60	Epoch 38/10001: 100% ██████████ 8/8 [00:05<00:00, 1 .58it/s, Loss=0.285]
61	Epoch 39/10001: 100% ██████████ 8/8 [00:06<00:00, 1 .32it/s, Loss=0.284]
62	Epoch 40/10001: 100% ██████████ 8/8 [00:04<00:00, 1 .75it/s, Loss=0.283]
63	Epoch 41/10001: 100% ██████████ 8/8 [00:04<00:00, 1 .75it/s, Loss=0.278]
64	Epoch 42/10001: 100% ██████████ 8/8 [00:05<00:00, 1 .39it/s, Loss=0.27]
65	Epoch 43/10001: 100% ██████████ 8/8 [00:04<00:00, 1 .76it/s, Loss=0.268]
66	Epoch 44/10001: 100% ██████████ 8/8 [00:04<00:00, 1 .81it/s, Loss=0.272]
67	Epoch 45/10001: 100% ██████████ 8/8 [00:04<00:00, 1

```
67 .83it/s, Loss=0.266]
68 Epoch 46/10001: 100% [██████████| 8/8 [00:04<00:00,
1.60it/s, Loss=0.262]
69 Epoch 47/10001: 100% [██████████| 8/8 [00:04<00:00,
1.82it/s, Loss=0.255]
70 Epoch 48/10001: 100% [██████████| 8/8 [00:04<00:00,
1.69it/s, Loss=0.261]
71 Epoch 49/10001: 100% [██████████| 8/8 [00:04<00:00,
1.60it/s, Loss=0.253]
72 Epoch 50/10001: 100% [██████████| 8/8 [00:04<00:00,
1.82it/s, Loss=0.253]
73 Epoch 51/10001: 100% [██████████| 8/8 [00:04<00:00,
1.66it/s, Loss=0.256]
74 Epoch 52/10001: 100% [██████████| 8/8 [00:09<00:00,
1.20s/it, Loss=0.25]
75 Epoch 53/10001: 100% [██████████| 8/8 [00:09<00:00,
1.20s/it, Loss=0.255]
76 Epoch 54/10001: 100% [██████████| 8/8 [00:04<00:00,
1.76it/s, Loss=0.246]
77 Epoch 55/10001: 100% [██████████| 8/8 [00:04<00:00,
1.83it/s, Loss=0.248]
78 Epoch 56/10001: 100% [██████████| 8/8 [00:04<00:00,
1.81it/s, Loss=0.249]
79 Epoch 57/10001: 100% [██████████| 8/8 [00:04<00:00,
1.75it/s, Loss=0.245]
80 Epoch 58/10001: 100% [██████████| 8/8 [00:04<00:00,
1.81it/s, Loss=0.246]
81 Epoch 59/10001: 100% [██████████| 8/8 [00:04<00:00,
1.68it/s, Loss=0.238]
82 Epoch 60/10001: 100% [██████████| 8/8 [00:04<00:00,
1.83it/s, Loss=0.244]
83 Epoch 61/10001: 100% [██████████| 8/8 [00:05<00:00,
1.43it/s, Loss=0.235]
84 Epoch 62/10001: 100% [██████████| 8/8 [00:04<00:00,
1.60it/s, Loss=0.245]
85 Epoch 63/10001: 100% [██████████| 8/8 [00:04<00:00,
1.82it/s, Loss=0.237]
86 Epoch 64/10001: 100% [██████████| 8/8 [00:05<00:00,
1.60it/s, Loss=0.237]
87 Epoch 65/10001: 100% [██████████| 8/8 [00:09<00:00,
1.23s/it, Loss=0.24]
```

88	Epoch 66/10001: 100%	[██████████]	8/8	[00:09<00:00, 1.15s/it, Loss=0.236]
89	Epoch 67/10001: 100%	[██████████]	8/8	[00:04<00:00, 1.62it/s, Loss=0.24]
90	Epoch 68/10001: 100%	[██████████]	8/8	[00:04<00:00, 1.66it/s, Loss=0.235]
91	Epoch 69/10001: 100%	[██████████]	8/8	[00:04<00:00, 1.84it/s, Loss=0.232]
92	Epoch 70/10001: 100%	[██████████]	8/8	[00:04<00:00, 1.75it/s, Loss=0.235]
93	Epoch 71/10001: 100%	[██████████]	8/8	[00:05<00:00, 1.54it/s, Loss=0.231]
94	Epoch 72/10001: 100%	[██████████]	8/8	[00:04<00:00, 1.67it/s, Loss=0.23]
95	Epoch 73/10001: 100%	[██████████]	8/8	[00:04<00:00, 1.60it/s, Loss=0.234]
96	Epoch 74/10001: 100%	[██████████]	8/8	[00:04<00:00, 1.82it/s, Loss=0.233]
97	Epoch 75/10001: 100%	[██████████]	8/8	[00:04<00:00, 1.82it/s, Loss=0.233]
98	Epoch 76/10001: 100%	[██████████]	8/8	[00:04<00:00, 1.66it/s, Loss=0.229]
99	Epoch 77/10001: 100%	[██████████]	8/8	[00:09<00:00, 1.15s/it, Loss=0.232]
100	Epoch 78/10001: 100%	[██████████]	8/8	[00:04<00:00, 1.61it/s, Loss=0.233]
101	Epoch 79/10001: 100%	[██████████]	8/8	[00:04<00:00, 1.83it/s, Loss=0.236]
102	Epoch 80/10001: 100%	[██████████]	8/8	[00:04<00:00, 1.75it/s, Loss=0.227]
103	Epoch 81/10001: 100%	[██████████]	8/8	[00:04<00:00, 1.83it/s, Loss=0.226]
104	Epoch 82/10001: 100%	[██████████]	8/8	[00:05<00:00, 1.60it/s, Loss=0.227]
105	Epoch 83/10001: 100%	[██████████]	8/8	[00:04<00:00, 1.75it/s, Loss=0.221]
106	Epoch 84/10001: 100%	[██████████]	8/8	[00:04<00:00, 1.60it/s, Loss=0.227]
107	Epoch 85/10001: 100%	[██████████]	8/8	[00:04<00:00, 1.67it/s, Loss=0.227]
108	Epoch 86/10001: 100%	[██████████]	8/8	[00:04<00:00,

```
108 1.83it/s, Loss=0.227]
109 Epoch 87/10001: 100% [██████████| 8/8 [00:10<00:00,
    1.25s/it, Loss=0.229]
110 Epoch 88/10001: 100% [██████████| 8/8 [00:11<00:00,
    1.45s/it, Loss=0.231]
111 Epoch 89/10001: 100% [██████████| 8/8 [00:07<00:00,
    1.05it/s, Loss=0.226]
112 Epoch 90/10001: 100% [██████████| 8/8 [00:07<00:00,
    1.00it/s, Loss=0.221]
113 Epoch 91/10001: 100% [██████████| 8/8 [00:07<00:00,
    1.00it/s, Loss=0.222]
114 Epoch 92/10001: 100% [██████████| 8/8 [00:05<00:00,
    1.54it/s, Loss=0.226]
115 Epoch 93/10001: 100% [██████████| 8/8 [00:06<00:00,
    1.30it/s, Loss=0.219]
116 Epoch 94/10001: 100% [██████████| 8/8 [00:05<00:00,
    1.60it/s, Loss=0.21]
117 Epoch 95/10001: 100% [██████████| 8/8 [00:05<00:00,
    1.60it/s, Loss=0.221]
118 Epoch 96/10001: 100% [██████████| 8/8 [00:05<00:00,
    1.55it/s, Loss=0.221]
119 Epoch 97/10001: 100% [██████████| 8/8 [00:05<00:00,
    1.54it/s, Loss=0.222]
120 Epoch 98/10001: 100% [██████████| 8/8 [00:04<00:00,
    1.67it/s, Loss=0.224]
121 Epoch 99/10001: 100% [██████████| 8/8 [00:09<00:00,
    1.15s/it, Loss=0.224]
122 Epoch 100/10001: 100% [██████████| 8/8 [00:04<00:00
    , 1.60it/s, Loss=0.22]
123 Epoch 101/10001: 100% [██████████| 8/8 [00:10<00:00
    , 1.27s/it, Loss=0.224]
124 Epoch 102/10001: 100% [██████████| 8/8 [00:05<00:00
    , 1.33it/s, Loss=0.224]
125 Epoch 103/10001: 100% [██████████| 8/8 [00:04<00:00
    , 1.61it/s, Loss=0.22]
126 Epoch 104/10001: 100% [██████████| 8/8 [00:08<00:00
    , 1.00s/it, Loss=0.215]
127 Epoch 105/10001: 100% [██████████| 8/8 [00:05<00:00
    , 1.54it/s, Loss=0.228]
128 Epoch 106/10001: 100% [██████████| 8/8 [00:05<00:00
    , 1.54it/s, Loss=0.219]
```

129	Epoch 107/10001: 100% ██████████ 8/8 [00:07<00:00 , 1.05it/s, Loss=0.218]
130	Epoch 108/10001: 100% ██████████ 8/8 [00:05<00:00 , 1.49it/s, Loss=0.214]
131	Epoch 109/10001: 100% ██████████ 8/8 [00:08<00:00 , 1.08s/it, Loss=0.216]
132	Epoch 110/10001: 100% ██████████ 8/8 [00:04<00:00 , 1.75it/s, Loss=0.214]
133	Epoch 111/10001: 100% ██████████ 8/8 [00:05<00:00 , 1.60it/s, Loss=0.22]
134	Epoch 112/10001: 100% ██████████ 8/8 [00:06<00:00 , 1.24it/s, Loss=0.218]
135	Epoch 113/10001: 100% ██████████ 8/8 [00:04<00:00 , 1.83it/s, Loss=0.221]
136	Epoch 114/10001: 100% ██████████ 8/8 [00:09<00:00 , 1.18s/it, Loss=0.223]
137	Epoch 115/10001: 100% ██████████ 8/8 [00:09<00:00 , 1.20s/it, Loss=0.217]
138	Epoch 116/10001: 100% ██████████ 8/8 [00:08<00:00 , 1.08s/it, Loss=0.213]
139	Epoch 117/10001: 100% ██████████ 8/8 [00:09<00:00 , 1.17s/it, Loss=0.218]
140	Epoch 118/10001: 100% ██████████ 8/8 [00:06<00:00 , 1.21it/s, Loss=0.213]
141	Epoch 119/10001: 100% ██████████ 8/8 [00:08<00:00 , 1.10s/it, Loss=0.214]
142	Epoch 120/10001: 100% ██████████ 8/8 [00:07<00:00 , 1.11it/s, Loss=0.213]
143	Epoch 121/10001: 100% ██████████ 8/8 [00:09<00:00 , 1.20s/it, Loss=0.209]
144	Epoch 122/10001: 100% ██████████ 8/8 [00:09<00:00 , 1.20s/it, Loss=0.22]
145	Epoch 123/10001: 100% ██████████ 8/8 [00:04<00:00 , 1.68it/s, Loss=0.223]
146	Epoch 124/10001: 100% ██████████ 8/8 [00:10<00:00 , 1.25s/it, Loss=0.218]
147	Epoch 125/10001: 100% ██████████ 8/8 [00:09<00:00 , 1.18s/it, Loss=0.213]
148	Epoch 126/10001: 100% ██████████ 8/8 [00:06<00:00 , 1.29it/s, Loss=0.211]
149	Epoch 127/10001: 100% ██████████ 8/8 [00:06<00:00

```
149 , 1.21it/s, Loss=0.214]
150 Epoch 128/10001: 100%|██████████| 8/8 [00:09<00:00
    , 1.13s/it, Loss=0.208]
151 Epoch 129/10001: 100%|██████████| 8/8 [00:09<00:00
    , 1.20s/it, Loss=0.216]
152 Epoch 130/10001: 100%|██████████| 8/8 [00:04<00:00
    , 1.74it/s, Loss=0.207]
153 Epoch 131/10001: 100%|██████████| 8/8 [00:06<00:00
    , 1.33it/s, Loss=0.207]
154 Epoch 132/10001: 100%|██████████| 8/8 [00:09<00:00
    , 1.22s/it, Loss=0.214]
155 Epoch 133/10001: 100%|██████████| 8/8 [00:08<00:00
    , 1.10s/it, Loss=0.214]
156 Epoch 134/10001: 100%|██████████| 8/8 [00:09<00:00
    , 1.15s/it, Loss=0.213]
157 Epoch 135/10001: 100%|██████████| 8/8 [00:04<00:00
    , 1.61it/s, Loss=0.209]
158 Epoch 136/10001: 100%|██████████| 8/8 [00:04<00:00
    , 1.75it/s, Loss=0.213]
159 Epoch 137/10001: 100%|██████████| 8/8 [00:05<00:00
    , 1.49it/s, Loss=0.206]
160 Epoch 138/10001: 100%|██████████| 8/8 [00:04<00:00
    , 1.61it/s, Loss=0.21]
161 Epoch 139/10001: 100%|██████████| 8/8 [00:05<00:00
    , 1.59it/s, Loss=0.209]
162 Epoch 140/10001: 100%|██████████| 8/8 [00:09<00:00
    , 1.13s/it, Loss=0.206]
163 Epoch 141/10001: 100%|██████████| 8/8 [00:04<00:00
    , 1.69it/s, Loss=0.209]
164 Epoch 142/10001: 100%|██████████| 8/8 [00:04<00:00
    , 1.66it/s, Loss=0.215]
165 Epoch 143/10001: 100%|██████████| 8/8 [00:04<00:00
    , 1.74it/s, Loss=0.215]
166 Epoch 144/10001: 100%|██████████| 8/8 [00:08<00:00
    , 1.02s/it, Loss=0.214]
167 Epoch 145/10001: 100%|██████████| 8/8 [00:06<00:00
    , 1.33it/s, Loss=0.217]
168 Epoch 146/10001: 100%|██████████| 8/8 [00:05<00:00
    , 1.38it/s, Loss=1.18]
169 Epoch 147/10001: 100%|██████████| 8/8 [00:04<00:00
    , 1.81it/s, Loss=2.3]
```

170	Epoch 148/10001: 100%	[██████████]	8/8 [00:05<00:00
	, 1.38it/s, Loss=0.85]		
171	Epoch 149/10001: 100%	[██████████]	8/8 [00:06<00:00
	, 1.29it/s, Loss=0.847]		
172	Epoch 150/10001: 100%	[██████████]	8/8 [00:10<00:00
	, 1.27s/it, Loss=0.85]		
173	Epoch 151/10001: 100%	[██████████]	8/8 [00:06<00:00
	, 1.33it/s, Loss=0.847]		
174	Epoch 152/10001: 100%	[██████████]	8/8 [00:05<00:00
	, 1.38it/s, Loss=0.838]		
175	Epoch 153/10001: 100%	[██████████]	8/8 [00:09<00:00
	, 1.20s/it, Loss=0.848]		
176	Epoch 154/10001: 100%	[██████████]	8/8 [00:09<00:00
	, 1.20s/it, Loss=0.843]		
177	Epoch 155/10001: 100%	[██████████]	8/8 [00:09<00:00
	, 1.15s/it, Loss=0.847]		
178	Epoch 156/10001: 100%	[██████████]	8/8 [00:07<00:00
	, 1.00it/s, Loss=0.849]		
179	Epoch 157/10001: 100%	[██████████]	8/8 [00:07<00:00
	, 1.00it/s, Loss=0.847]		
180	Epoch 158/10001: 100%	[██████████]	8/8 [00:06<00:00
	, 1.29it/s, Loss=0.845]		
181	Epoch 159/10001: 100%	[██████████]	8/8 [00:09<00:00
	, 1.20s/it, Loss=0.845]		
182	Epoch 160/10001: 100%	[██████████]	8/8 [00:08<00:00
	, 1.12s/it, Loss=0.838]		
183	Epoch 161/10001: 100%	[██████████]	8/8 [00:09<00:00
	, 1.13s/it, Loss=0.845]		
184	Epoch 162/10001: 0%	[██████████]	0/8 [00:00<?, ?it/
	s]Epoch 00161: reducing learning rate of group 0 to		
	9.0000e-04.		
185	Epoch 162/10001: 100%	[██████████]	8/8 [00:05<00:00
	, 1.48it/s, Loss=0.845]		
186	Epoch 163/10001: 100%	[██████████]	8/8 [00:04<00:00
	, 1.82it/s, Loss=0.849]		
187	Epoch 164/10001: 100%	[██████████]	8/8 [00:09<00:00
	, 1.18s/it, Loss=0.845]		
188	Epoch 165/10001: 100%	[██████████]	8/8 [00:05<00:00
	, 1.34it/s, Loss=0.846]		
189	Epoch 166/10001: 100%	[██████████]	8/8 [00:09<00:00
	, 1.18s/it, Loss=0.846]		

```
190 Epoch 167/10001: 100%|██████████| 8/8 [00:06<00:00
, 1.22it/s, Loss=0.845]
191 Epoch 168/10001: 100%|██████████| 8/8 [00:10<00:00
, 1.30s/it, Loss=0.849]
192 Epoch 169/10001: 100%|██████████| 8/8 [00:07<00:00
, 1.11it/s, Loss=0.846]
193 Epoch 170/10001: 100%|██████████| 8/8 [00:08<00:00
, 1.12s/it, Loss=0.851]
194 Epoch 171/10001: 100%|██████████| 8/8 [00:04<00:00
, 1.69it/s, Loss=0.847]
195 Epoch 172/10001: 100%|██████████| 8/8 [00:06<00:00
, 1.27it/s, Loss=0.844]
196 Epoch 173/10001: 100%|██████████| 8/8 [00:09<00:00
, 1.15s/it, Loss=0.85]
197 Epoch 174/10001: 100%|██████████| 8/8 [00:09<00:00
, 1.20s/it, Loss=0.844]
198 Epoch 175/10001: 100%|██████████| 8/8 [00:04<00:00
, 1.81it/s, Loss=0.844]
199 Epoch 176/10001: 100%|██████████| 8/8 [00:09<00:00
, 1.22s/it, Loss=0.844]
200 Epoch 177/10001: 100%|██████████| 8/8 [00:05<00:00
, 1.48it/s, Loss=0.843]
201 Epoch 178/10001: 100%|██████████| 8/8 [00:10<00:00
, 1.25s/it, Loss=0.842]
202 Epoch 179/10001: 100%|██████████| 8/8 [00:08<00:00
, 1.12s/it, Loss=0.847]
203 Epoch 180/10001: 100%|██████████| 8/8 [00:09<00:00
, 1.13s/it, Loss=0.845]
204 Epoch 181/10001: 100%|██████████| 8/8 [00:09<00:00
, 1.20s/it, Loss=0.842]
205 Epoch 182/10001: 100%|██████████| 8/8 [00:06<00:00
, 1.25it/s, Loss=0.842]
206 Epoch 183/10001: 0%|          | 0/8 [00:00<?, ?it/
s]Epoch 00182: reducing learning rate of group 0 to
8.1000e-04.
207 Epoch 183/10001: 100%|██████████| 8/8 [00:09<00:00
, 1.15s/it, Loss=0.845]
208 Epoch 184/10001: 100%|██████████| 8/8 [00:09<00:00
, 1.20s/it, Loss=0.843]
209 Epoch 185/10001: 100%|██████████| 8/8 [00:06<00:00
, 1.30it/s, Loss=0.842]
```

210	Epoch 186/10001: 100% ██████████ 8/8 [00:09<00:00 , 1.18s/it, Loss=0.839]
211	Epoch 187/10001: 100% ██████████ 8/8 [00:06<00:00 , 1.30it/s, Loss=0.848]
212	Epoch 188/10001: 100% ██████████ 8/8 [00:04<00:00 , 1.82it/s, Loss=0.84]
213	Epoch 189/10001: 100% ██████████ 8/8 [00:10<00:00 , 1.25s/it, Loss=0.838]
214	Epoch 190/10001: 100% ██████████ 8/8 [00:07<00:00 , 1.08it/s, Loss=0.847]
215	Epoch 191/10001: 100% ██████████ 8/8 [00:08<00:00 , 1.03s/it, Loss=0.843]
216	Epoch 192/10001: 100% ██████████ 8/8 [00:07<00:00 , 1.11it/s, Loss=0.847]
217	Epoch 193/10001: 100% ██████████ 8/8 [00:04<00:00 , 1.67it/s, Loss=0.843]
218	Epoch 194/10001: 100% ██████████ 8/8 [00:05<00:00 , 1.54it/s, Loss=0.844]
219	Epoch 195/10001: 100% ██████████ 8/8 [00:09<00:00 , 1.15s/it, Loss=0.846]
220	Epoch 196/10001: 100% ██████████ 8/8 [00:04<00:00 , 1.75it/s, Loss=0.847]
221	Epoch 197/10001: 100% ██████████ 8/8 [00:05<00:00 , 1.48it/s, Loss=0.844]
222	Epoch 198/10001: 100% ██████████ 8/8 [00:06<00:00 , 1.30it/s, Loss=0.847]
223	Epoch 199/10001: 100% ██████████ 8/8 [00:05<00:00 , 1.34it/s, Loss=0.842]
224	Epoch 200/10001: 100% ██████████ 8/8 [00:05<00:00 , 1.43it/s, Loss=0.838]
225	Epoch 201/10001: 100% ██████████ 8/8 [00:06<00:00 , 1.21it/s, Loss=0.842]
226	Epoch 202/10001: 100% ██████████ 8/8 [00:04<00:00 , 1.82it/s, Loss=0.846]
227	Epoch 203/10001: 100% ██████████ 8/8 [00:07<00:00 , 1.08it/s, Loss=0.843]
228	Epoch 204/10001: 0% 0/8 [00:00<?, ?it/ s]Epoch 00203: reducing learning rate of group 0 to 7.2900e-04.
229	Epoch 204/10001: 100% ██████████ 8/8 [00:07<00:00 , 1.11it/s, Loss=0.847]

230	Epoch 205/10001: 100% ██████████ 8/8 [00:06<00:00 , 1.18it/s, Loss=0.845]
231	Epoch 206/10001: 100% ██████████ 8/8 [00:09<00:00 , 1.18s/it, Loss=0.844]
232	Epoch 207/10001: 100% ██████████ 8/8 [00:04<00:00 , 1.83it/s, Loss=0.846]
233	Epoch 208/10001: 100% ██████████ 8/8 [00:10<00:00 , 1.25s/it, Loss=0.852]
234	Epoch 209/10001: 100% ██████████ 8/8 [00:04<00:00 , 1.75it/s, Loss=0.852]
235	Epoch 210/10001: 100% ██████████ 8/8 [00:05<00:00 , 1.60it/s, Loss=0.843]
236	Epoch 211/10001: 100% ██████████ 8/8 [00:09<00:00 , 1.20s/it, Loss=0.842]
237	Epoch 212/10001: 100% ██████████ 8/8 [00:04<00:00 , 1.82it/s, Loss=0.844]
238	Epoch 213/10001: 100% ██████████ 8/8 [00:10<00:00 , 1.28s/it, Loss=0.845]
239	Epoch 214/10001: 100% ██████████ 8/8 [00:09<00:00 , 1.21s/it, Loss=0.841]
240	Epoch 215/10001: 100% ██████████ 8/8 [00:04<00:00 , 1.77it/s, Loss=0.845]
241	Epoch 216/10001: 100% ██████████ 8/8 [00:07<00:00 , 1.11it/s, Loss=0.846]
242	Epoch 217/10001: 100% ██████████ 8/8 [00:04<00:00 , 1.82it/s, Loss=0.844]
243	Epoch 218/10001: 100% ██████████ 8/8 [00:08<00:00 , 1.10s/it, Loss=0.844]
244	Epoch 219/10001: 100% ██████████ 8/8 [00:09<00:00 , 1.20s/it, Loss=0.842]
245	Epoch 220/10001: 100% ██████████ 8/8 [00:05<00:00 , 1.49it/s, Loss=0.842]
246	Epoch 221/10001: 100% ██████████ 8/8 [00:10<00:00 , 1.27s/it, Loss=0.849]
247	Epoch 222/10001: 100% ██████████ 8/8 [00:06<00:00 , 1.33it/s, Loss=0.842]
248	Epoch 223/10001: 100% ██████████ 8/8 [00:08<00:00 , 1.02s/it, Loss=0.844]
249	Epoch 224/10001: 100% ██████████ 8/8 [00:09<00:00 , 1.23s/it, Loss=0.842]
250	Epoch 225/10001: 0% ██████████ 0/8 [00:00<?, ?it/

```
250 s]Epoch 00224: reducing learning rate of group 0 to
6.5610e-04.
251 Epoch 225/10001: 100%|██████████| 8/8 [00:04<00:00
, 1.76it/s, Loss=0.845]
252 Epoch 226/10001: 100%|██████████| 8/8 [00:07<00:00
, 1.08it/s, Loss=0.838]
253 Epoch 227/10001: 100%|██████████| 8/8 [00:09<00:00
, 1.20s/it, Loss=0.843]
254 Epoch 228/10001: 100%|██████████| 8/8 [00:04<00:00
, 1.67it/s, Loss=0.841]
255 Epoch 229/10001: 100%|██████████| 8/8 [00:09<00:00
, 1.18s/it, Loss=0.852]
256 Epoch 230/10001: 100%|██████████| 8/8 [00:08<00:00
, 1.10s/it, Loss=0.849]
257 Epoch 231/10001: 100%|██████████| 8/8 [00:09<00:00
, 1.15s/it, Loss=0.849]
258 Epoch 232/10001: 100%|██████████| 8/8 [00:05<00:00
, 1.49it/s, Loss=0.844]
259 Epoch 233/10001: 100%|██████████| 8/8 [00:06<00:00
, 1.25it/s, Loss=0.838]
260 Epoch 234/10001: 100%|██████████| 8/8 [00:09<00:00
, 1.20s/it, Loss=0.843]
261 Epoch 235/10001: 100%|██████████| 8/8 [00:09<00:00
, 1.20s/it, Loss=0.839]
262 Epoch 236/10001: 100%|██████████| 8/8 [00:09<00:00
, 1.20s/it, Loss=0.854]
263 Epoch 237/10001: 100%|██████████| 8/8 [00:12<00:00
, 1.55s/it, Loss=0.845]
264 Epoch 238/10001: 100%|██████████| 8/8 [00:09<00:00
, 1.20s/it, Loss=0.848]
265 Epoch 239/10001: 100%|██████████| 8/8 [00:09<00:00
, 1.22s/it, Loss=0.842]
266 Epoch 240/10001: 100%|██████████| 8/8 [00:05<00:00
, 1.34it/s, Loss=0.847]
267 Epoch 241/10001: 100%|██████████| 8/8 [00:05<00:00
, 1.48it/s, Loss=0.847]
268 Epoch 242/10001: 100%|██████████| 8/8 [00:09<00:00
, 1.13s/it, Loss=0.841]
269 Epoch 243/10001: 100%|██████████| 8/8 [00:05<00:00
, 1.43it/s, Loss=0.844]
270 Epoch 244/10001: 100%|██████████| 8/8 [00:09<00:00
```

```
270 , 1.22s/it, Loss=0.84]
271 Epoch 245/10001: 100%|██████████| 8/8 [00:05<00:00
, 1.48it/s, Loss=0.844]
272 Epoch 246/10001: 0%|          | 0/8 [00:00<?, ?it/
s]Epoch 00245: reducing learning rate of group 0 to
5.9049e-04.
273 Epoch 246/10001: 100%|██████████| 8/8 [00:04<00:00
, 1.81it/s, Loss=0.841]
274 Epoch 247/10001: 100%|██████████| 8/8 [00:06<00:00
, 1.18it/s, Loss=0.841]
275 Epoch 248/10001: 100%|██████████| 8/8 [00:09<00:00
, 1.20s/it, Loss=0.846]
276 Epoch 249/10001: 100%|██████████| 8/8 [00:05<00:00
, 1.43it/s, Loss=0.846]
277 Epoch 250/10001: 100%|██████████| 8/8 [00:05<00:00
, 1.59it/s, Loss=0.844]
278 Epoch 251/10001: 100%|██████████| 8/8 [00:04<00:00
, 1.68it/s, Loss=0.84]
279 Epoch 252/10001: 100%|██████████| 8/8 [00:04<00:00
, 1.82it/s, Loss=0.849]
280 Epoch 253/10001: 100%|██████████| 8/8 [00:10<00:00
, 1.27s/it, Loss=0.84]
281 Epoch 254/10001: 100%|██████████| 8/8 [00:04<00:00
, 1.83it/s, Loss=0.845]
282 Epoch 255/10001: 100%|██████████| 8/8 [00:07<00:00
, 1.02it/s, Loss=0.847]
283 Epoch 256/10001: 100%|██████████| 8/8 [00:05<00:00
, 1.60it/s, Loss=0.847]
284 Epoch 257/10001: 100%|██████████| 8/8 [00:04<00:00
, 1.74it/s, Loss=0.847]
285 Epoch 258/10001: 100%|██████████| 8/8 [00:09<00:00
, 1.17s/it, Loss=0.847]
286 Epoch 259/10001: 100%|██████████| 8/8 [00:09<00:00
, 1.15s/it, Loss=0.845]
287 Epoch 260/10001: 100%|██████████| 8/8 [00:09<00:00
, 1.13s/it, Loss=0.846]
288 Epoch 261/10001: 100%|██████████| 8/8 [00:06<00:00
, 1.15it/s, Loss=0.844]
289 Epoch 262/10001: 100%|██████████| 8/8 [00:06<00:00
, 1.21it/s, Loss=0.841]
290 Epoch 263/10001: 100%|██████████| 8/8 [00:09<00:00
```

```
290 , 1.15s/it, Loss=0.847]
291 Epoch 264/10001: 100%|██████████| 8/8 [00:05<00:00
, 1.60it/s, Loss=0.837]
292 Epoch 265/10001: 100%|██████████| 8/8 [00:04<00:00
, 1.74it/s, Loss=0.844]
293 Epoch 266/10001: 100%|██████████| 8/8 [00:09<00:00
, 1.20s/it, Loss=0.844]
294 Epoch 00266: reducing learning rate of group 0 to 5.
3144e-04.
295 Epoch 267/10001: 100%|██████████| 8/8 [00:09<00:00
, 1.18s/it, Loss=0.845]
296 Epoch 268/10001: 100%|██████████| 8/8 [00:05<00:00
, 1.44it/s, Loss=0.854]
297 Epoch 269/10001: 100%|██████████| 8/8 [00:10<00:00
, 1.27s/it, Loss=0.839]
298 Epoch 270/10001: 100%|██████████| 8/8 [00:04<00:00
, 1.74it/s, Loss=0.842]
299 Epoch 271/10001: 100%|██████████| 8/8 [00:04<00:00
, 1.74it/s, Loss=0.846]
300 Epoch 272/10001: 100%|██████████| 8/8 [00:05<00:00
, 1.48it/s, Loss=0.837]
301 Epoch 273/10001: 100%|██████████| 8/8 [00:09<00:00
, 1.23s/it, Loss=0.846]
302 Epoch 274/10001: 100%|██████████| 8/8 [00:09<00:00
, 1.20s/it, Loss=0.844]
303 Epoch 275/10001: 100%|██████████| 8/8 [00:09<00:00
, 1.17s/it, Loss=0.845]
304 Epoch 276/10001: 100%|██████████| 8/8 [00:04<00:00
, 1.82it/s, Loss=0.839]
305 Epoch 277/10001: 100%|██████████| 8/8 [00:04<00:00
, 1.84it/s, Loss=0.844]
306 Epoch 278/10001: 100%|██████████| 8/8 [00:09<00:00
, 1.13s/it, Loss=0.841]
307 Epoch 279/10001: 100%|██████████| 8/8 [00:09<00:00
, 1.20s/it, Loss=0.85]
308 Epoch 280/10001: 100%|██████████| 8/8 [00:09<00:00
, 1.20s/it, Loss=0.849]
309 Epoch 281/10001: 100%|██████████| 8/8 [00:06<00:00
, 1.21it/s, Loss=0.835]
310 Epoch 282/10001: 100%|██████████| 8/8 [00:04<00:00
, 1.82it/s, Loss=0.845]
```

```
311 Epoch 283/10001: 100%|██████████| 8/8 [00:04<00:00
, 1.81it/s, Loss=0.846]
312 Epoch 284/10001: 100%|██████████| 8/8 [00:09<00:00
, 1.23s/it, Loss=0.848]
313 Epoch 285/10001: 100%|██████████| 8/8 [00:08<00:00
, 1.10s/it, Loss=0.838]
314 Epoch 286/10001: 100%|██████████| 8/8 [00:09<00:00
, 1.15s/it, Loss=0.847]
315 Epoch 287/10001: 100%|██████████| 8/8 [00:05<00:00
, 1.34it/s, Loss=0.848]
316 Epoch 288/10001: 0%|          | 0/8 [00:00<?, ?it/
s]Epoch 00287: reducing learning rate of group 0 to
4.7830e-04.
317 Epoch 288/10001: 100%|██████████| 8/8 [00:09<00:00
, 1.23s/it, Loss=0.846]
318 Epoch 289/10001: 100%|██████████| 8/8 [00:04<00:00
, 1.83it/s, Loss=0.842]
319 Epoch 290/10001: 100%|██████████| 8/8 [00:04<00:00
, 1.60it/s, Loss=0.841]
320 Epoch 291/10001: 100%|██████████| 8/8 [00:06<00:00
, 1.33it/s, Loss=0.847]
321 Epoch 292/10001: 100%|██████████| 8/8 [00:05<00:00
, 1.43it/s, Loss=0.847]
322 Epoch 293/10001: 100%|██████████| 8/8 [00:06<00:00
, 1.21it/s, Loss=0.85]
323 Epoch 294/10001: 100%|██████████| 8/8 [00:05<00:00
, 1.43it/s, Loss=0.846]
324 Epoch 295/10001: 100%|██████████| 8/8 [00:04<00:00
, 1.94it/s, Loss=0.849]
325 Epoch 296/10001: 100%|██████████| 8/8 [00:04<00:00
, 1.71it/s, Loss=0.841]
326 Epoch 297/10001: 100%|██████████| 8/8 [00:04<00:00
, 1.82it/s, Loss=0.843]
327 Epoch 298/10001: 100%|██████████| 8/8 [00:04<00:00
, 1.83it/s, Loss=0.847]
328 Epoch 299/10001: 100%|██████████| 8/8 [00:05<00:00
, 1.60it/s, Loss=0.847]
329 Epoch 300/10001: 100%|██████████| 8/8 [00:08<00:00
, 1.10s/it, Loss=0.845]
330 Epoch 301/10001: 100%|██████████| 8/8 [00:05<00:00
, 1.34it/s, Loss=0.843]
```

```
331 Epoch 302/10001: 100%|██████████| 8/8 [00:04<00:00
, 1.82it/s, Loss=0.838]
332 Epoch 303/10001: 100%|██████████| 8/8 [00:05<00:00
, 1.59it/s, Loss=0.84]
333 Epoch 304/10001: 100%|██████████| 8/8 [00:04<00:00
, 1.60it/s, Loss=0.841]
334 Epoch 305/10001: 100%|██████████| 8/8 [00:05<00:00
, 1.54it/s, Loss=0.848]
335 Epoch 306/10001: 100%|██████████| 8/8 [00:04<00:00
, 1.61it/s, Loss=0.842]
336 Epoch 307/10001: 100%|██████████| 8/8 [00:04<00:00
, 1.81it/s, Loss=0.841]
337 Epoch 308/10001: 100%|██████████| 8/8 [00:04<00:00
, 1.61it/s, Loss=0.849]
338 Epoch 309/10001: 0%|          | 0/8 [00:00<?, ?it/
s]Epoch 00308: reducing learning rate of group 0 to
4.3047e-04.
339 Epoch 309/10001: 100%|██████████| 8/8 [00:04<00:00
, 1.74it/s, Loss=0.845]
340 Epoch 310/10001: 100%|██████████| 8/8 [00:05<00:00
, 1.60it/s, Loss=0.839]
341 Epoch 311/10001: 100%|██████████| 8/8 [00:05<00:00
, 1.55it/s, Loss=0.847]
342 Epoch 312/10001: 100%|██████████| 8/8 [00:07<00:00
, 1.14it/s, Loss=0.845]
343 Epoch 313/10001: 100%|██████████| 8/8 [00:06<00:00
, 1.33it/s, Loss=0.846]
344 Epoch 314/10001: 100%|██████████| 8/8 [00:05<00:00
, 1.60it/s, Loss=0.845]
345 Epoch 315/10001: 100%|██████████| 8/8 [00:05<00:00
, 1.33it/s, Loss=0.84]
346 Epoch 316/10001: 100%|██████████| 8/8 [00:07<00:00
, 1.11it/s, Loss=0.84]
347 Epoch 317/10001: 100%|██████████| 8/8 [00:06<00:00
, 1.33it/s, Loss=0.841]
348 Epoch 318/10001: 100%|██████████| 8/8 [00:05<00:00
, 1.48it/s, Loss=0.844]
349 Epoch 319/10001: 100%|██████████| 8/8 [00:06<00:00
, 1.21it/s, Loss=0.849]
350 Epoch 320/10001: 100%|██████████| 8/8 [00:05<00:00
, 1.53it/s, Loss=0.842]
```

```
351 Epoch 321/10001: 100%|██████████| 8/8 [00:07<00:00
, 1.00it/s, Loss=0.84]
352 Epoch 322/10001: 100%|██████████| 8/8 [00:04<00:00
, 1.68it/s, Loss=0.85]
353 Epoch 323/10001: 100%|██████████| 8/8 [00:06<00:00
, 1.25it/s, Loss=0.848]
354 Epoch 324/10001: 100%|██████████| 8/8 [00:05<00:00
, 1.60it/s, Loss=0.849]
355 Epoch 325/10001: 100%|██████████| 8/8 [00:04<00:00
, 1.60it/s, Loss=0.846]
356 Epoch 326/10001: 100%|██████████| 8/8 [00:06<00:00
, 1.29it/s, Loss=0.848]
357 Epoch 327/10001: 100%|██████████| 8/8 [00:06<00:00
, 1.33it/s, Loss=0.84]
358 Epoch 328/10001: 100%|██████████| 8/8 [00:04<00:00
, 1.66it/s, Loss=0.845]
359 Epoch 329/10001: 100%|██████████| 8/8 [00:05<00:00
, 1.54it/s, Loss=0.845]
360 Epoch 330/10001: 0%|          | 0/8 [00:00<?, ?it/
s]Epoch 00329: reducing learning rate of group 0 to
3.8742e-04.
361 Epoch 330/10001: 100%|██████████| 8/8 [00:04<00:00
, 1.60it/s, Loss=0.846]
362 Epoch 331/10001: 100%|██████████| 8/8 [00:05<00:00
, 1.60it/s, Loss=0.85]
363 Epoch 332/10001: 100%|██████████| 8/8 [00:04<00:00
, 1.61it/s, Loss=0.846]
364 Epoch 333/10001: 100%|██████████| 8/8 [00:04<00:00
, 1.74it/s, Loss=0.842]
365 Epoch 334/10001: 100%|██████████| 8/8 [00:05<00:00
, 1.38it/s, Loss=0.846]
366 Epoch 335/10001: 100%|██████████| 8/8 [00:04<00:00
, 1.60it/s, Loss=0.837]
367 Epoch 336/10001: 100%|██████████| 8/8 [00:08<00:00
, 1.00s/it, Loss=0.842]
368 Epoch 337/10001: 100%|██████████| 8/8 [00:04<00:00
, 1.61it/s, Loss=0.84]
369 Epoch 338/10001: 100%|██████████| 8/8 [00:04<00:00
, 1.81it/s, Loss=0.842]
370 Epoch 339/10001: 100%|██████████| 8/8 [00:05<00:00
, 1.38it/s, Loss=0.84]
```

```
371 Epoch 340/10001: 100%|██████████| 8/8 [00:04<00:00
, 1.81it/s, Loss=0.838]
372 Epoch 341/10001: 100%|██████████| 8/8 [00:04<00:00
, 1.67it/s, Loss=0.837]
373 Epoch 342/10001: 100%|██████████| 8/8 [00:05<00:00
, 1.60it/s, Loss=0.846]
374 Epoch 343/10001: 100%|██████████| 8/8 [00:06<00:00
, 1.14it/s, Loss=0.85]
375 Epoch 344/10001: 100%|██████████| 8/8 [00:08<00:00
, 1.03s/it, Loss=0.843]
376 Epoch 345/10001: 100%|██████████| 8/8 [00:09<00:00
, 1.13s/it, Loss=0.849]
377 Epoch 346/10001: 100%|██████████| 8/8 [00:04<00:00
, 1.61it/s, Loss=0.85]
378 Epoch 347/10001: 100%|██████████| 8/8 [00:08<00:00
, 1.00s/it, Loss=0.844]
379 Epoch 348/10001: 100%|██████████| 8/8 [00:08<00:00
, 1.02s/it, Loss=0.846]
380 Epoch 349/10001: 100%|██████████| 8/8 [00:07<00:00
, 1.14it/s, Loss=0.843]
381 Epoch 350/10001: 100%|██████████| 8/8 [00:07<00:00
, 1.11it/s, Loss=0.855]
382 Epoch 351/10001: 0%|          | 0/8 [00:00<?, ?it/
s]Epoch 00350: reducing learning rate of group 0 to
3.4868e-04.
383 Epoch 351/10001: 100%|██████████| 8/8 [00:04<00:00
, 1.67it/s, Loss=0.842]
384 Epoch 352/10001: 100%|██████████| 8/8 [00:04<00:00
, 1.82it/s, Loss=0.844]
385 Epoch 353/10001: 100%|██████████| 8/8 [00:07<00:00
, 1.03it/s, Loss=0.842]
386 Epoch 354/10001: 100%|██████████| 8/8 [00:08<00:00
, 1.05s/it, Loss=0.842]
387 Epoch 355/10001: 100%|██████████| 8/8 [00:06<00:00
, 1.18it/s, Loss=0.841]
388 Epoch 356/10001: 100%|██████████| 8/8 [00:09<00:00
, 1.25s/it, Loss=0.844]
389 Epoch 357/10001: 100%|██████████| 8/8 [00:05<00:00
, 1.60it/s, Loss=0.843]
390 Epoch 358/10001: 100%|██████████| 8/8 [00:05<00:00
, 1.55it/s, Loss=0.851]
```

391	Epoch 359/10001: 100% ██████████ 8/8 [00:05<00:00 , 1.60it/s, Loss=0.845]
392	Epoch 360/10001: 100% ██████████ 8/8 [00:04<00:00 , 1.60it/s, Loss=0.842]
393	Epoch 361/10001: 100% ██████████ 8/8 [00:07<00:00 , 1.11it/s, Loss=0.845]
394	Epoch 362/10001: 100% ██████████ 8/8 [00:04<00:00 , 1.82it/s, Loss=0.845]
395	Epoch 363/10001: 100% ██████████ 8/8 [00:05<00:00 , 1.60it/s, Loss=0.839]
396	Epoch 364/10001: 100% ██████████ 8/8 [00:05<00:00 , 1.34it/s, Loss=0.841]
397	Epoch 365/10001: 100% ██████████ 8/8 [00:04<00:00 , 1.73it/s, Loss=0.847]
398	Epoch 366/10001: 100% ██████████ 8/8 [00:05<00:00 , 1.55it/s, Loss=0.85]
399	Epoch 367/10001: 100% ██████████ 8/8 [00:07<00:00 , 1.14it/s, Loss=0.85]
400	Epoch 368/10001: 100% ██████████ 8/8 [00:04<00:00 , 1.60it/s, Loss=0.845]
401	Epoch 369/10001: 100% ██████████ 8/8 [00:05<00:00 , 1.54it/s, Loss=0.835]
402	Epoch 370/10001: 100% ██████████ 8/8 [00:06<00:00 , 1.29it/s, Loss=0.844]
403	Epoch 371/10001: 100% ██████████ 8/8 [00:05<00:00 , 1.60it/s, Loss=0.843]
404	Epoch 00371: reducing learning rate of group 0 to 3. 1381e-04.
405	Epoch 372/10001: 100% ██████████ 8/8 [00:04<00:00 , 1.82it/s, Loss=0.843]
406	Epoch 373/10001: 100% ██████████ 8/8 [00:06<00:00 , 1.21it/s, Loss=0.846]
407	Epoch 374/10001: 100% ██████████ 8/8 [00:04<00:00 , 1.60it/s, Loss=0.84]
408	Epoch 375/10001: 100% ██████████ 8/8 [00:05<00:00 , 1.59it/s, Loss=0.843]
409	Epoch 376/10001: 100% ██████████ 8/8 [00:05<00:00 , 1.60it/s, Loss=0.849]
410	Epoch 377/10001: 100% ██████████ 8/8 [00:04<00:00 , 1.60it/s, Loss=0.844]
411	Epoch 378/10001: 100% ██████████ 8/8 [00:09<00:00

```
411 , 1.18s/it, Loss=0.846]
412 Epoch 379/10001: 100%|██████████| 8/8 [00:04<00:00
, 1.83it/s, Loss=0.84]
413 Epoch 380/10001: 100%|██████████| 8/8 [00:06<00:00
, 1.25it/s, Loss=0.849]
414 Epoch 381/10001: 100%|██████████| 8/8 [00:04<00:00
, 1.60it/s, Loss=0.838]
415 Epoch 382/10001: 100%|██████████| 8/8 [00:06<00:00
, 1.29it/s, Loss=0.848]
416 Epoch 383/10001: 100%|██████████| 8/8 [00:04<00:00
, 1.60it/s, Loss=0.84]
417 Epoch 384/10001: 100%|██████████| 8/8 [00:04<00:00
, 1.82it/s, Loss=0.848]
418 Epoch 385/10001: 100%|██████████| 8/8 [00:04<00:00
, 1.74it/s, Loss=0.851]
419 Epoch 386/10001: 100%|██████████| 8/8 [00:04<00:00
, 1.82it/s, Loss=0.843]
420 Epoch 387/10001: 100%|██████████| 8/8 [00:04<00:00
, 1.74it/s, Loss=0.849]
421 Epoch 388/10001: 100%|██████████| 8/8 [00:04<00:00
, 1.74it/s, Loss=0.84]
422 Epoch 389/10001: 100%|██████████| 8/8 [00:04<00:00
, 1.67it/s, Loss=0.844]
423 Epoch 390/10001: 100%|██████████| 8/8 [00:05<00:00
, 1.38it/s, Loss=0.844]
424 Epoch 391/10001: 100%|██████████| 8/8 [00:06<00:00
, 1.29it/s, Loss=0.843]
425 Epoch 392/10001: 100%|██████████| 8/8 [00:05<00:00
, 1.44it/s, Loss=0.843]
426 Epoch 393/10001: 0%|          | 0/8 [00:00<?, ?it/
s]Epoch 00392: reducing learning rate of group 0 to
2.8243e-04.
427 Epoch 393/10001: 100%|██████████| 8/8 [00:04<00:00
, 1.82it/s, Loss=0.841]
428 Epoch 394/10001: 100%|██████████| 8/8 [00:05<00:00
, 1.42it/s, Loss=0.841]
429 Epoch 395/10001: 100%|██████████| 8/8 [00:04<00:00
, 1.74it/s, Loss=0.835]
430 Epoch 396/10001: 100%|██████████| 8/8 [00:04<00:00
, 1.60it/s, Loss=0.85]
431 Epoch 397/10001: 100%|██████████| 8/8 [00:06<00:00
```

```
431 , 1.14it/s, Loss=0.848]
432 Epoch 398/10001: 100%|██████████| 8/8 [00:05<00:00
, 1.60it/s, Loss=0.843]
433 Epoch 399/10001: 100%|██████████| 8/8 [00:06<00:00
, 1.14it/s, Loss=0.843]
434 Epoch 400/10001: 100%|██████████| 8/8 [00:06<00:00
, 1.29it/s, Loss=0.845]
435 Epoch 401/10001: 100%|██████████| 8/8 [00:06<00:00
, 1.14it/s, Loss=0.844]
436 Epoch 402/10001: 100%|██████████| 8/8 [00:09<00:00
, 1.18s/it, Loss=0.845]
437 Epoch 403/10001: 100%|██████████| 8/8 [00:04<00:00
, 1.74it/s, Loss=0.839]
438 Epoch 404/10001: 100%|██████████| 8/8 [00:05<00:00
, 1.54it/s, Loss=0.842]
439 Epoch 405/10001: 100%|██████████| 8/8 [00:04<00:00
, 1.81it/s, Loss=0.848]
440 Epoch 406/10001: 100%|██████████| 8/8 [00:05<00:00
, 1.39it/s, Loss=0.843]
441 Epoch 407/10001: 100%|██████████| 8/8 [00:04<00:00
, 1.60it/s, Loss=0.843]
442 Epoch 408/10001: 100%|██████████| 8/8 [00:09<00:00
, 1.20s/it, Loss=0.844]
443 Epoch 409/10001: 100%|██████████| 8/8 [00:05<00:00
, 1.48it/s, Loss=0.851]
444 Epoch 410/10001: 100%|██████████| 8/8 [00:05<00:00
, 1.54it/s, Loss=0.839]
445 Epoch 411/10001: 100%|██████████| 8/8 [00:04<00:00
, 1.82it/s, Loss=0.845]
446 Epoch 412/10001: 100%|██████████| 8/8 [00:05<00:00
, 1.43it/s, Loss=0.846]
447 Epoch 413/10001: 100%|██████████| 8/8 [00:04<00:00
, 1.60it/s, Loss=0.841]
448 Epoch 00413: reducing learning rate of group 0 to 2.
5419e-04.
449 Epoch 414/10001: 100%|██████████| 8/8 [00:05<00:00
, 1.53it/s, Loss=0.844]
450 Epoch 415/10001: 100%|██████████| 8/8 [00:06<00:00
, 1.25it/s, Loss=0.843]
451 Epoch 416/10001: 100%|██████████| 8/8 [00:05<00:00
, 1.43it/s, Loss=0.84]
```

```
452 Epoch 417/10001: 100%|██████████| 8/8 [00:06<00:00
, 1.29it/s, Loss=0.841]
453 Epoch 418/10001: 100%|██████████| 8/8 [00:04<00:00
, 1.66it/s, Loss=0.845]
454 Epoch 419/10001: 100%|██████████| 8/8 [00:04<00:00
, 1.82it/s, Loss=0.842]
455 Epoch 420/10001: 100%|██████████| 8/8 [00:05<00:00
, 1.38it/s, Loss=0.844]
456 Epoch 421/10001: 100%|██████████| 8/8 [00:06<00:00
, 1.25it/s, Loss=0.843]
457 Epoch 422/10001: 100%|██████████| 8/8 [00:04<00:00
, 1.60it/s, Loss=0.839]
458 Epoch 423/10001: 100%|██████████| 8/8 [00:05<00:00
, 1.38it/s, Loss=0.844]
459 Epoch 424/10001: 100%|██████████| 8/8 [00:05<00:00
, 1.60it/s, Loss=0.847]
460 Epoch 425/10001: 100%|██████████| 8/8 [00:05<00:00
, 1.60it/s, Loss=0.842]
461 Epoch 426/10001: 100%|██████████| 8/8 [00:05<00:00
, 1.48it/s, Loss=0.847]
462 Epoch 427/10001: 100%|██████████| 8/8 [00:04<00:00
, 1.74it/s, Loss=0.84]
463 Epoch 428/10001: 100%|██████████| 8/8 [00:04<00:00
, 1.60it/s, Loss=0.844]
464 Epoch 429/10001: 100%|██████████| 8/8 [00:05<00:00
, 1.43it/s, Loss=0.847]
465 Epoch 430/10001: 100%|██████████| 8/8 [00:04<00:00
, 1.61it/s, Loss=0.85]
466 Epoch 431/10001: 100%|██████████| 8/8 [00:05<00:00
, 1.38it/s, Loss=0.844]
467 Epoch 432/10001: 100%|██████████| 8/8 [00:08<00:00
, 1.03s/it, Loss=0.839]
468 Epoch 433/10001: 100%|██████████| 8/8 [00:05<00:00
, 1.38it/s, Loss=0.849]
469 Epoch 434/10001: 100%|██████████| 8/8 [00:05<00:00
, 1.49it/s, Loss=0.849]
470 Epoch 435/10001: 0%|          | 0/8 [00:00<?, ?it/
s]Epoch 00434: reducing learning rate of group 0 to
2.2877e-04.
471 Epoch 435/10001: 100%|██████████| 8/8 [00:06<00:00
, 1.18it/s, Loss=0.849]
```

```
472 Epoch 436/10001: 100%|██████████| 8/8 [00:05<00:00
, 1.60it/s, Loss=0.846]
473 Epoch 437/10001: 100%|██████████| 8/8 [00:05<00:00
, 1.34it/s, Loss=0.847]
474 Epoch 438/10001: 100%|██████████| 8/8 [00:09<00:00
, 1.15s/it, Loss=0.839]
475 Epoch 439/10001: 100%|██████████| 8/8 [00:04<00:00
, 1.61it/s, Loss=0.836]
476 Epoch 440/10001: 100%|██████████| 8/8 [00:07<00:00
, 1.11it/s, Loss=0.842]
477 Epoch 441/10001: 100%|██████████| 8/8 [00:04<00:00
, 1.67it/s, Loss=0.849]
478 Epoch 442/10001: 100%|██████████| 8/8 [00:06<00:00
, 1.33it/s, Loss=0.847]
479 Epoch 443/10001: 100%|██████████| 8/8 [00:04<00:00
, 1.67it/s, Loss=0.84]
480 Epoch 444/10001: 100%|██████████| 8/8 [00:06<00:00
, 1.25it/s, Loss=0.846]
481 Epoch 445/10001: 100%|██████████| 8/8 [00:04<00:00
, 1.82it/s, Loss=0.84]
482 Epoch 446/10001: 100%|██████████| 8/8 [00:05<00:00
, 1.60it/s, Loss=0.85]
483 Epoch 447/10001: 100%|██████████| 8/8 [00:06<00:00
, 1.21it/s, Loss=0.85]
484 Epoch 448/10001: 100%|██████████| 8/8 [00:06<00:00
, 1.21it/s, Loss=0.845]
485 Epoch 449/10001: 100%|██████████| 8/8 [00:06<00:00
, 1.29it/s, Loss=0.846]
486 Epoch 450/10001: 100%|██████████| 8/8 [00:04<00:00
, 1.75it/s, Loss=0.843]
487 Epoch 451/10001: 100%|██████████| 8/8 [00:04<00:00
, 1.60it/s, Loss=0.847]
488 Epoch 452/10001: 100%|██████████| 8/8 [00:04<00:00
, 1.74it/s, Loss=0.847]
489 Epoch 453/10001: 100%|██████████| 8/8 [00:05<00:00
, 1.48it/s, Loss=0.841]
490 Epoch 454/10001: 100%|██████████| 8/8 [00:09<00:00
, 1.18s/it, Loss=0.843]
491 Epoch 455/10001: 100%|██████████| 8/8 [00:04<00:00
, 1.82it/s, Loss=0.848]
492 Epoch 00455: reducing learning rate of group 0 to 2.
```

492 0589e-04.

493 Epoch 456/10001: 100%|██████████| 8/8 [00:06<00:00
, 1.14it/s, Loss=0.84]

494 Epoch 457/10001: 100%|██████████| 8/8 [00:06<00:00
, 1.25it/s, Loss=0.844]

495 Epoch 458/10001: 100%|██████████| 8/8 [00:04<00:00
, 1.60it/s, Loss=0.848]

496 Epoch 459/10001: 100%|██████████| 8/8 [00:04<00:00
, 1.82it/s, Loss=0.842]

497 Epoch 460/10001: 100%|██████████| 8/8 [00:04<00:00
, 1.67it/s, Loss=0.844]

498 Epoch 461/10001: 100%|██████████| 8/8 [00:05<00:00
, 1.60it/s, Loss=0.843]

499 Epoch 462/10001: 100%|██████████| 8/8 [00:09<00:00
, 1.15s/it, Loss=0.847]

500 Epoch 463/10001: 100%|██████████| 8/8 [00:04<00:00
, 1.60it/s, Loss=0.843]

501 Epoch 464/10001: 100%|██████████| 8/8 [00:04<00:00
, 1.74it/s, Loss=0.848]

502 Epoch 465/10001: 100%|██████████| 8/8 [00:04<00:00
, 1.81it/s, Loss=0.839]

503 Epoch 466/10001: 100%|██████████| 8/8 [00:06<00:00
, 1.29it/s, Loss=0.843]

504 Epoch 467/10001: 100%|██████████| 8/8 [00:04<00:00
, 1.60it/s, Loss=0.844]

505 Epoch 468/10001: 100%|██████████| 8/8 [00:04<00:00
, 1.82it/s, Loss=0.839]

506 Epoch 469/10001: 100%|██████████| 8/8 [00:04<00:00
, 1.74it/s, Loss=0.845]

507 Epoch 470/10001: 100%|██████████| 8/8 [00:04<00:00
, 1.82it/s, Loss=0.845]

508 Epoch 471/10001: 100%|██████████| 8/8 [00:04<00:00
, 1.75it/s, Loss=0.848]

509 Epoch 472/10001: 100%|██████████| 8/8 [00:05<00:00
, 1.54it/s, Loss=0.845]

510 Epoch 473/10001: 100%|██████████| 8/8 [00:09<00:00
, 1.20s/it, Loss=0.845]

511 Epoch 474/10001: 100%|██████████| 8/8 [00:04<00:00
, 1.83it/s, Loss=0.846]

512 Epoch 475/10001: 100%|██████████| 8/8 [00:06<00:00
, 1.29it/s, Loss=0.843]

```
513 Epoch 476/10001: 100%|██████████| 8/8 [00:04<00:00
, 1.61it/s, Loss=0.845]
514 Epoch 477/10001: 0%|          | 0/8 [00:00<?, ?it/
s]Epoch 00476: reducing learning rate of group 0 to
1.8530e-04.
515 Epoch 477/10001: 100%|██████████| 8/8 [00:08<00:00
, 1.03s/it, Loss=0.848]
516 Epoch 478/10001: 100%|██████████| 8/8 [00:04<00:00
, 1.60it/s, Loss=0.844]
517 Epoch 479/10001: 100%|██████████| 8/8 [00:05<00:00
, 1.60it/s, Loss=0.842]
518 Epoch 480/10001: 100%|██████████| 8/8 [00:07<00:00
, 1.03it/s, Loss=0.848]
519 Epoch 481/10001: 100%|██████████| 8/8 [00:06<00:00
, 1.33it/s, Loss=0.851]
520 Epoch 482/10001: 100%|██████████| 8/8 [00:05<00:00
, 1.48it/s, Loss=0.839]
521 Epoch 483/10001: 100%|██████████| 8/8 [00:05<00:00
, 1.60it/s, Loss=0.838]
522 Epoch 484/10001: 100%|██████████| 8/8 [00:05<00:00
, 1.54it/s, Loss=0.836]
523 Epoch 485/10001: 100%|██████████| 8/8 [00:06<00:00
, 1.29it/s, Loss=0.841]
524 Epoch 486/10001: 100%|██████████| 8/8 [00:05<00:00
, 1.38it/s, Loss=0.841]
525 Epoch 487/10001: 100%|██████████| 8/8 [00:05<00:00
, 1.47it/s, Loss=0.839]
526 Epoch 488/10001: 100%|██████████| 8/8 [00:04<00:00
, 1.75it/s, Loss=0.845]
527 Epoch 489/10001: 100%|██████████| 8/8 [00:05<00:00
, 1.54it/s, Loss=0.844]
528 Epoch 490/10001: 100%|██████████| 8/8 [00:07<00:00
, 1.00it/s, Loss=0.841]
529 Epoch 491/10001: 100%|██████████| 8/8 [00:04<00:00
, 1.74it/s, Loss=0.843]
530 Epoch 492/10001: 100%|██████████| 8/8 [00:05<00:00
, 1.48it/s, Loss=0.847]
531 Epoch 493/10001: 100%|██████████| 8/8 [00:04<00:00
, 1.75it/s, Loss=0.844]
532 Epoch 494/10001: 100%|██████████| 8/8 [00:09<00:00
, 1.15s/it, Loss=0.851]
```

```
533 Epoch 495/10001: 100%|██████████| 8/8 [00:05<00:00
, 1.48it/s, Loss=0.843]
534 Epoch 496/10001: 100%|██████████| 8/8 [00:05<00:00
, 1.48it/s, Loss=0.847]
535 Epoch 497/10001: 100%|██████████| 8/8 [00:06<00:00
, 1.29it/s, Loss=0.846]
536 Epoch 498/10001: 0%|          | 0/8 [00:00<?, ?it/
s]Epoch 00497: reducing learning rate of group 0 to
1.6677e-04.
537 Epoch 498/10001: 100%|██████████| 8/8 [00:05<00:00
, 1.34it/s, Loss=0.84]
538 Epoch 499/10001: 100%|██████████| 8/8 [00:07<00:00
, 1.05it/s, Loss=0.848]
539 Epoch 500/10001: 100%|██████████| 8/8 [00:09<00:00
, 1.13s/it, Loss=0.841]
540 Epoch 501/10001: 100%|██████████| 8/8 [00:04<00:00
, 1.68it/s, Loss=0.848]
541 Epoch 502/10001: 100%|██████████| 8/8 [00:05<00:00
, 1.43it/s, Loss=0.846]
542 Epoch 503/10001: 100%|██████████| 8/8 [00:09<00:00
, 1.18s/it, Loss=0.839]
543 Epoch 504/10001: 100%|██████████| 8/8 [00:04<00:00
, 1.83it/s, Loss=0.845]
544 Epoch 505/10001: 100%|██████████| 8/8 [00:07<00:00
, 1.11it/s, Loss=0.85]
545 Epoch 506/10001: 100%|██████████| 8/8 [00:10<00:00
, 1.28s/it, Loss=0.849]
546 Epoch 507/10001: 100%|██████████| 8/8 [00:05<00:00
, 1.49it/s, Loss=0.838]
547 Epoch 508/10001: 100%|██████████| 8/8 [00:06<00:00
, 1.18it/s, Loss=0.844]
548 Epoch 509/10001: 100%|██████████| 8/8 [00:04<00:00
, 1.67it/s, Loss=0.85]
549 Epoch 510/10001: 100%|██████████| 8/8 [00:05<00:00
, 1.60it/s, Loss=0.837]
550 Epoch 511/10001: 100%|██████████| 8/8 [00:09<00:00
, 1.13s/it, Loss=0.844]
551 Epoch 512/10001: 100%|██████████| 8/8 [00:05<00:00
, 1.49it/s, Loss=0.844]
552 Epoch 513/10001: 100%|██████████| 8/8 [00:04<00:00
, 1.81it/s, Loss=0.848]
```

```
553 Epoch 514/10001: 100%|██████████| 8/8 [00:04<00:00
, 1.74it/s, Loss=0.846]
554 Epoch 515/10001: 100%|██████████| 8/8 [00:09<00:00
, 1.23s/it, Loss=0.848]
555 Epoch 516/10001: 100%|██████████| 8/8 [00:04<00:00
, 1.60it/s, Loss=0.843]
556 Epoch 517/10001: 100%|██████████| 8/8 [00:10<00:00
, 1.27s/it, Loss=0.843]
557 Epoch 518/10001: 100%|██████████| 8/8 [00:05<00:00
, 1.38it/s, Loss=0.837]
558 Epoch 519/10001: 0%|          | 0/8 [00:00<?, ?it/
s]Epoch 00518: reducing learning rate of group 0 to
1.5009e-04.
559 Epoch 519/10001: 100%|██████████| 8/8 [00:09<00:00
, 1.20s/it, Loss=0.84]
560 Epoch 520/10001: 100%|██████████| 8/8 [00:07<00:00
, 1.05it/s, Loss=0.847]
561 Epoch 521/10001: 100%|██████████| 8/8 [00:09<00:00
, 1.13s/it, Loss=0.842]
562 Epoch 522/10001: 100%|██████████| 8/8 [00:05<00:00
, 1.34it/s, Loss=0.845]
563 Epoch 523/10001: 100%|██████████| 8/8 [00:05<00:00
, 1.48it/s, Loss=0.85]
564 Epoch 524/10001: 100%|██████████| 8/8 [00:06<00:00
, 1.29it/s, Loss=0.844]
565 Epoch 525/10001: 100%|██████████| 8/8 [00:04<00:00
, 1.81it/s, Loss=0.842]
566 Epoch 526/10001: 100%|██████████| 8/8 [00:09<00:00
, 1.15s/it, Loss=0.845]
567 Epoch 527/10001: 100%|██████████| 8/8 [00:04<00:00
, 1.83it/s, Loss=0.84]
568 Epoch 528/10001: 100%|██████████| 8/8 [00:05<00:00
, 1.53it/s, Loss=0.841]
569 Epoch 529/10001: 100%|██████████| 8/8 [00:04<00:00
, 1.61it/s, Loss=0.843]
570 Epoch 530/10001: 100%|██████████| 8/8 [00:07<00:00
, 1.08it/s, Loss=0.852]
571 Epoch 531/10001: 100%|██████████| 8/8 [00:04<00:00
, 1.67it/s, Loss=0.847]
572 Epoch 532/10001: 100%|██████████| 8/8 [00:07<00:00
, 1.00it/s, Loss=0.847]
```

```
573 Epoch 533/10001: 100%|██████████| 8/8 [00:12<00:00  
, 1.50s/it, Loss=0.842]  
574 Epoch 534/10001: 100%|██████████| 8/8 [00:04<00:00  
, 1.82it/s, Loss=0.845]  
575 Epoch 535/10001: 100%|██████████| 8/8 [00:09<00:00  
, 1.13s/it, Loss=0.84]  
576 Epoch 536/10001: 100%|██████████| 8/8 [00:09<00:00  
, 1.20s/it, Loss=0.846]  
577 Epoch 537/10001: 100%|██████████| 8/8 [00:04<00:00  
, 1.61it/s, Loss=0.845]  
578 Epoch 538/10001: 100%|██████████| 8/8 [00:06<00:00  
, 1.29it/s, Loss=0.846]  
579 Epoch 539/10001: 100%|██████████| 8/8 [00:05<00:00  
, 1.38it/s, Loss=0.843]  
580 Epoch 540/10001: 0%|          | 0/8 [00:00<?, ?it/  
s]Epoch 00539: reducing learning rate of group 0 to  
1.3509e-04.  
581 Epoch 540/10001: 100%|██████████| 8/8 [00:05<00:00  
, 1.60it/s, Loss=0.844]  
582 Epoch 541/10001: 100%|██████████| 8/8 [00:06<00:00  
, 1.29it/s, Loss=0.849]  
583 Epoch 542/10001: 100%|██████████| 8/8 [00:04<00:00  
, 1.74it/s, Loss=0.848]  
584 Epoch 543/10001: 100%|██████████| 8/8 [00:04<00:00  
, 1.60it/s, Loss=0.843]  
585 Epoch 544/10001: 100%|██████████| 8/8 [00:07<00:00  
, 1.11it/s, Loss=0.846]  
586 Epoch 545/10001: 100%|██████████| 8/8 [00:04<00:00  
, 1.61it/s, Loss=0.844]  
587 Epoch 546/10001: 100%|██████████| 8/8 [00:05<00:00  
, 1.48it/s, Loss=0.846]  
588 Epoch 547/10001: 100%|██████████| 8/8 [00:05<00:00  
, 1.60it/s, Loss=0.843]  
589 Epoch 548/10001: 100%|██████████| 8/8 [00:04<00:00  
, 1.82it/s, Loss=0.84]  
590 Epoch 549/10001: 100%|██████████| 8/8 [00:05<00:00  
, 1.34it/s, Loss=0.846]  
591 Epoch 550/10001: 100%|██████████| 8/8 [00:06<00:00  
, 1.29it/s, Loss=0.835]  
592 Epoch 551/10001: 100%|██████████| 8/8 [00:05<00:00  
, 1.60it/s, Loss=0.847]
```

```
593 Epoch 552/10001: 100%|██████████| 8/8 [00:09<00:00
, 1.20s/it, Loss=0.846]
594 Epoch 553/10001: 100%|██████████| 8/8 [00:06<00:00
, 1.15it/s, Loss=0.845]
595 Epoch 554/10001: 100%|██████████| 8/8 [00:06<00:00
, 1.25it/s, Loss=0.839]
596 Epoch 555/10001: 100%|██████████| 8/8 [00:06<00:00
, 1.29it/s, Loss=0.849]
597 Epoch 556/10001: 100%|██████████| 8/8 [00:05<00:00
, 1.49it/s, Loss=0.845]
598 Epoch 557/10001: 100%|██████████| 8/8 [00:05<00:00
, 1.38it/s, Loss=0.841]
599 Epoch 558/10001: 100%|██████████| 8/8 [00:04<00:00
, 1.74it/s, Loss=0.845]
600 Epoch 559/10001: 100%|██████████| 8/8 [00:08<00:00
, 1.08s/it, Loss=0.839]
601 Epoch 560/10001: 100%|██████████| 8/8 [00:09<00:00
, 1.15s/it, Loss=0.847]
602 Epoch 561/10001: 0%|          | 0/8 [00:00<?, ?it/
s]Epoch 00560: reducing learning rate of group 0 to
1.2158e-04.
603 Epoch 561/10001: 100%|██████████| 8/8 [00:09<00:00
, 1.25s/it, Loss=0.845]
604 Epoch 562/10001: 100%|██████████| 8/8 [00:09<00:00
, 1.20s/it, Loss=0.849]
605 Epoch 563/10001: 100%|██████████| 8/8 [00:04<00:00
, 1.76it/s, Loss=0.846]
606 Epoch 564/10001: 100%|██████████| 8/8 [00:05<00:00
, 1.38it/s, Loss=0.844]
607 Epoch 565/10001: 100%|██████████| 8/8 [00:09<00:00
, 1.23s/it, Loss=0.837]
608 Epoch 566/10001: 100%|██████████| 8/8 [00:07<00:00
, 1.05it/s, Loss=0.84]
609 Epoch 567/10001: 100%|██████████| 8/8 [00:09<00:00
, 1.15s/it, Loss=0.839]
610 Epoch 568/10001: 100%|██████████| 8/8 [00:09<00:00
, 1.21s/it, Loss=0.85]
611 Epoch 569/10001: 100%|██████████| 8/8 [00:05<00:00
, 1.36it/s, Loss=0.843]
612 Epoch 570/10001: 100%|██████████| 8/8 [00:08<00:00
, 1.00s/it, Loss=0.84]
```

```
613 Epoch 571/10001: 100%|██████████| 8/8 [00:04<00:00
, 1.67it/s, Loss=0.844]
614 Epoch 572/10001: 100%|██████████| 8/8 [00:04<00:00
, 1.74it/s, Loss=0.847]
615 Epoch 573/10001: 100%|██████████| 8/8 [00:06<00:00
, 1.21it/s, Loss=0.847]
616 Epoch 574/10001: 100%|██████████| 8/8 [00:09<00:00
, 1.20s/it, Loss=0.851]
617 Epoch 575/10001: 100%|██████████| 8/8 [00:09<00:00
, 1.23s/it, Loss=0.835]
618 Epoch 576/10001: 100%|██████████| 8/8 [00:05<00:00
, 1.48it/s, Loss=0.845]
619 Epoch 577/10001: 100%|██████████| 8/8 [00:07<00:00
, 1.11it/s, Loss=0.844]
620 Epoch 578/10001: 100%|██████████| 8/8 [00:06<00:00
, 1.33it/s, Loss=0.842]
621 Epoch 579/10001: 100%|██████████| 8/8 [00:04<00:00
, 1.82it/s, Loss=0.839]
622 Epoch 580/10001: 100%|██████████| 8/8 [00:05<00:00
, 1.43it/s, Loss=0.843]
623 Epoch 581/10001: 100%|██████████| 8/8 [00:07<00:00
, 1.11it/s, Loss=0.843]
624 Epoch 582/10001: 0%|          | 0/8 [00:00<?, ?it/
s]Epoch 00581: reducing learning rate of group 0 to
1.0942e-04.
625 Epoch 582/10001: 100%|██████████| 8/8 [00:04<00:00
, 1.83it/s, Loss=0.856]
626 Epoch 583/10001: 100%|██████████| 8/8 [00:10<00:00
, 1.25s/it, Loss=0.841]
627 Epoch 584/10001: 100%|██████████| 8/8 [00:09<00:00
, 1.20s/it, Loss=0.85]
628 Epoch 585/10001: 100%|██████████| 8/8 [00:05<00:00
, 1.56it/s, Loss=0.844]
629 Epoch 586/10001: 100%|██████████| 8/8 [00:05<00:00
, 1.59it/s, Loss=0.845]
630 Epoch 587/10001: 100%|██████████| 8/8 [00:09<00:00
, 1.16s/it, Loss=0.845]
631 Epoch 588/10001: 100%|██████████| 8/8 [00:04<00:00
, 1.83it/s, Loss=0.842]
632 Epoch 589/10001: 100%|██████████| 8/8 [00:09<00:00
, 1.15s/it, Loss=0.844]
```

633	Epoch 590/10001: 100% ██████████ 8/8 [00:04<00:00 , 1.61it/s, Loss=0.844]
634	Epoch 591/10001: 100% ██████████ 8/8 [00:04<00:00 , 1.82it/s, Loss=0.843]
635	Epoch 592/10001: 100% ██████████ 8/8 [00:05<00:00 , 1.54it/s, Loss=0.842]
636	Epoch 593/10001: 100% ██████████ 8/8 [00:05<00:00 , 1.54it/s, Loss=0.846]
637	Epoch 594/10001: 100% ██████████ 8/8 [00:06<00:00 , 1.14it/s, Loss=0.853]
638	Epoch 595/10001: 100% ██████████ 8/8 [00:04<00:00 , 1.74it/s, Loss=0.846]
639	Epoch 596/10001: 100% ██████████ 8/8 [00:05<00:00 , 1.53it/s, Loss=0.839]
640	Epoch 597/10001: 100% ██████████ 8/8 [00:04<00:00 , 1.68it/s, Loss=0.841]
641	Epoch 598/10001: 100% ██████████ 8/8 [00:04<00:00 , 1.67it/s, Loss=0.844]
642	Epoch 599/10001: 100% ██████████ 8/8 [00:04<00:00 , 1.82it/s, Loss=0.842]
643	Epoch 600/10001: 100% ██████████ 8/8 [00:04<00:00 , 1.82it/s, Loss=0.844]
644	Epoch 601/10001: 100% ██████████ 8/8 [00:04<00:00 , 1.74it/s, Loss=0.849]
645	Epoch 602/10001: 100% ██████████ 8/8 [00:04<00:00 , 1.75it/s, Loss=0.848]
646	Epoch 00602: reducing learning rate of group 0 to 9. 8477e-05.
647	Epoch 603/10001: 100% ██████████ 8/8 [00:04<00:00 , 1.81it/s, Loss=0.849]
648	Epoch 604/10001: 100% ██████████ 8/8 [00:04<00:00 , 1.73it/s, Loss=0.843]
649	Epoch 605/10001: 100% ██████████ 8/8 [00:04<00:00 , 1.82it/s, Loss=0.837]
650	Epoch 606/10001: 100% ██████████ 8/8 [00:04<00:00 , 1.81it/s, Loss=0.84]
651	Epoch 607/10001: 100% ██████████ 8/8 [00:04<00:00 , 1.82it/s, Loss=0.845]
652	Epoch 608/10001: 100% ██████████ 8/8 [00:08<00:00 , 1.12s/it, Loss=0.84]
653	Epoch 609/10001: 100% ██████████ 8/8 [00:04<00:00

```
653 , 1.82it/s, Loss=0.84]
654 Epoch 610/10001: 100%|██████████| 8/8 [00:05<00:00
, 1.54it/s, Loss=0.841]
655 Epoch 611/10001: 100%|██████████| 8/8 [00:08<00:00
, 1.11s/it, Loss=0.844]
656 Epoch 612/10001: 100%|██████████| 8/8 [00:05<00:00
, 1.44it/s, Loss=0.845]
657 Epoch 613/10001: 100%|██████████| 8/8 [00:04<00:00
, 1.60it/s, Loss=0.842]
658 Epoch 614/10001: 100%|██████████| 8/8 [00:04<00:00
, 1.81it/s, Loss=0.848]
659 Epoch 615/10001: 100%|██████████| 8/8 [00:10<00:00
, 1.27s/it, Loss=0.846]
660 Epoch 616/10001: 100%|██████████| 8/8 [00:04<00:00
, 1.66it/s, Loss=0.85]
661 Epoch 617/10001: 100%|██████████| 8/8 [00:04<00:00
, 1.67it/s, Loss=0.841]
662 Epoch 618/10001: 100%|██████████| 8/8 [00:05<00:00
, 1.60it/s, Loss=0.841]
663 Epoch 619/10001: 100%|██████████| 8/8 [00:04<00:00
, 1.82it/s, Loss=0.843]
664 Epoch 620/10001: 100%|██████████| 8/8 [00:05<00:00
, 1.38it/s, Loss=0.848]
665 Epoch 621/10001: 100%|██████████| 8/8 [00:04<00:00
, 1.61it/s, Loss=0.84]
666 Epoch 622/10001: 100%|██████████| 8/8 [00:09<00:00
, 1.20s/it, Loss=0.846]
667 Epoch 623/10001: 100%|██████████| 8/8 [00:05<00:00
, 1.49it/s, Loss=0.843]
668 Epoch 624/10001: 0%|          | 0/8 [00:00<?, ?it/
s]Epoch 00623: reducing learning rate of group 0 to
8.8629e-05.
669 Epoch 624/10001: 100%|██████████| 8/8 [00:10<00:00
, 1.27s/it, Loss=0.841]
670 Epoch 625/10001: 100%|██████████| 8/8 [00:04<00:00
, 1.67it/s, Loss=0.843]
671 Epoch 626/10001: 100%|██████████| 8/8 [00:09<00:00
, 1.20s/it, Loss=0.839]
672 Epoch 627/10001: 100%|██████████| 8/8 [00:04<00:00
, 1.83it/s, Loss=0.842]
673 Epoch 628/10001: 100%|██████████| 8/8 [00:09<00:00
```

```
673 , 1.18s/it, Loss=0.841]
674 Epoch 629/10001: 100%|██████████| 8/8 [00:04<00:00
, 1.74it/s, Loss=0.844]
675 Epoch 630/10001: 100%|██████████| 8/8 [00:09<00:00
, 1.17s/it, Loss=0.84]
676 Epoch 631/10001: 100%|██████████| 8/8 [00:09<00:00
, 1.20s/it, Loss=0.842]
677 Epoch 632/10001: 100%|██████████| 8/8 [00:04<00:00
, 1.83it/s, Loss=0.84]
678 Epoch 633/10001: 100%|██████████| 8/8 [00:09<00:00
, 1.25s/it, Loss=0.849]
679 Epoch 634/10001: 100%|██████████| 8/8 [00:09<00:00
, 1.20s/it, Loss=0.839]
680 Epoch 635/10001: 100%|██████████| 8/8 [00:05<00:00
, 1.54it/s, Loss=0.845]
681 Epoch 636/10001: 100%|██████████| 8/8 [00:04<00:00
, 1.60it/s, Loss=0.844]
682 Epoch 637/10001: 100%|██████████| 8/8 [00:04<00:00
, 1.81it/s, Loss=0.836]
683 Epoch 638/10001: 100%|██████████| 8/8 [00:09<00:00
, 1.18s/it, Loss=0.843]
684 Epoch 639/10001: 100%|██████████| 8/8 [00:09<00:00
, 1.17s/it, Loss=0.845]
685 Epoch 640/10001: 100%|██████████| 8/8 [00:09<00:00
, 1.22s/it, Loss=0.847]
686 Early stopping
687 Time: 4024.6613144874573
688
689 Process finished with exit code 0
690
```