🚀 启动class条件训练模式

💡 提示: 使用 'python flow\_matching\_mario.py class' 进行class条件训练

✅ 使用PyTorch ImageFolder加载数据

数据路径: ./data

找到 6 张图像

Class数量: 6

Class名称: ['0', '1', '2', '3', '4', '5']

Class映射: {'0': 0, '1': 1, '2': 2, '3': 3, '4': 4, '5': 5}

批次大小: 1

🎯 开始class条件训练

数据路径: ./data

Class数量: 6

Class名称: ['0', '1', '2', '3', '4', '5']

总图像数: 6

批次大小: 1

训练轮数: 500

学习率: 0.001

设备: cuda

[epoch 1] batch 0 loss 2.026859

Epoch 1 done in 0.7s, final loss: 1.390310

[epoch 2] batch 0 loss 1.289005

Epoch 2 done in 0.2s, final loss: 1.121418

[epoch 3] batch 0 loss 1.023092

Epoch 3 done in 0.2s, final loss: 0.918087

[epoch 4] batch 0 loss 1.111693

Epoch 4 done in 0.2s, final loss: 0.910399

[epoch 5] batch 0 loss 0.629605

Epoch 5 done in 0.2s, final loss: 0.855918

[epoch 6] batch 0 loss 0.572959

Epoch 6 done in 0.2s, final loss: 0.797788

[epoch 7] batch 0 loss 0.574999

Epoch 7 done in 0.2s, final loss: 0.440095

[epoch 8] batch 0 loss 0.349428

Epoch 8 done in 0.2s, final loss: 0.413153

[epoch 9] batch 0 loss 0.389550

Epoch 9 done in 0.2s, final loss: 0.568356

[epoch 10] batch 0 loss 0.214496

Epoch 10 done in 0.2s, final loss: 0.310927

[epoch 11] batch 0 loss 0.386999

Epoch 11 done in 0.2s, final loss: 0.437505

[epoch 12] batch 0 loss 0.532837

Epoch 12 done in 0.2s, final loss: 0.320736

[epoch 13] batch 0 loss 0.350563

Epoch 13 done in 0.2s, final loss: 0.192395

[epoch 14] batch 0 loss 0.352152

Epoch 14 done in 0.2s, final loss: 0.192880

[epoch 15] batch 0 loss 0.218289

Epoch 15 done in 0.2s, final loss: 0.187917

[epoch 16] batch 0 loss 0.491178

Epoch 16 done in 0.2s, final loss: 0.296879

[epoch 17] batch 0 loss 0.423562

Epoch 17 done in 0.2s, final loss: 0.295180

[epoch 18] batch 0 loss 0.471993

Epoch 18 done in 0.2s, final loss: 0.172246

[epoch 19] batch 0 loss 0.247739

Epoch 19 done in 0.2s, final loss: 0.331360

[epoch 20] batch 0 loss 0.194062

Epoch 20 done in 0.2s, final loss: 0.480376

[epoch 21] batch 0 loss 0.220294

Epoch 21 done in 0.2s, final loss: 0.438056

[epoch 22] batch 0 loss 0.798226

Epoch 22 done in 0.2s, final loss: 0.261295

[epoch 23] batch 0 loss 0.170790

Epoch 23 done in 0.2s, final loss: 0.234173

[epoch 24] batch 0 loss 0.304792

Epoch 24 done in 0.2s, final loss: 0.249894

[epoch 25] batch 0 loss 0.152004

Epoch 25 done in 0.2s, final loss: 0.178155

[epoch 26] batch 0 loss 0.394294

Epoch 26 done in 0.2s, final loss: 0.191248

[epoch 27] batch 0 loss 0.127789

Epoch 27 done in 0.2s, final loss: 0.229002

[epoch 28] batch 0 loss 0.520512

Epoch 28 done in 0.2s, final loss: 0.194745

[epoch 29] batch 0 loss 0.573976

Epoch 29 done in 0.2s, final loss: 0.351377

[epoch 30] batch 0 loss 0.304501

Epoch 30 done in 0.2s, final loss: 0.209389

[epoch 31] batch 0 loss 0.500409

Epoch 31 done in 0.2s, final loss: 0.410369

[epoch 32] batch 0 loss 0.355955

Epoch 32 done in 0.2s, final loss: 0.160116

[epoch 33] batch 0 loss 0.386327

Epoch 33 done in 0.2s, final loss: 0.118743

[epoch 34] batch 0 loss 0.153415

Epoch 34 done in 0.2s, final loss: 0.387260

[epoch 35] batch 0 loss 0.114697

Epoch 35 done in 0.2s, final loss: 0.462579

[epoch 36] batch 0 loss 0.291806

Epoch 36 done in 0.2s, final loss: 0.191710

[epoch 37] batch 0 loss 0.139695

Epoch 37 done in 0.2s, final loss: 0.184497

[epoch 38] batch 0 loss 0.267915

Epoch 38 done in 0.2s, final loss: 0.492030

[epoch 39] batch 0 loss 0.177950

Epoch 39 done in 0.2s, final loss: 0.151501

[epoch 40] batch 0 loss 0.140487

Epoch 40 done in 0.2s, final loss: 0.443773

[epoch 41] batch 0 loss 0.218880

Epoch 41 done in 0.2s, final loss: 0.270288

[epoch 42] batch 0 loss 0.129461

Epoch 42 done in 0.2s, final loss: 0.140790

[epoch 43] batch 0 loss 0.169749

Epoch 43 done in 0.2s, final loss: 0.113227

[epoch 44] batch 0 loss 0.135028

Epoch 44 done in 0.2s, final loss: 0.160922

[epoch 45] batch 0 loss 0.146051

Epoch 45 done in 0.2s, final loss: 0.316226

[epoch 46] batch 0 loss 0.103142

Epoch 46 done in 0.2s, final loss: 0.381350

[epoch 47] batch 0 loss 0.195922

Epoch 47 done in 0.2s, final loss: 0.178620

[epoch 48] batch 0 loss 0.122734

Epoch 48 done in 0.2s, final loss: 0.166423

[epoch 49] batch 0 loss 0.220557

Epoch 49 done in 0.2s, final loss: 0.185249

[epoch 50] batch 0 loss 0.156772

Epoch 50 done in 0.2s, final loss: 0.138274

[epoch 51] batch 0 loss 0.159669

Epoch 51 done in 0.2s, final loss: 0.179292

[epoch 52] batch 0 loss 0.138730

Epoch 52 done in 0.2s, final loss: 0.601487

[epoch 53] batch 0 loss 0.330030

Epoch 53 done in 0.2s, final loss: 0.137546

[epoch 54] batch 0 loss 0.137968

Epoch 54 done in 0.2s, final loss: 0.256560

[epoch 55] batch 0 loss 0.100123

Epoch 55 done in 0.2s, final loss: 0.191594

[epoch 56] batch 0 loss 0.103210

Epoch 56 done in 0.2s, final loss: 0.454015

[epoch 57] batch 0 loss 0.193190

Epoch 57 done in 0.2s, final loss: 0.112132

[epoch 58] batch 0 loss 0.096364

Epoch 58 done in 0.2s, final loss: 0.298648

[epoch 59] batch 0 loss 0.092799

Epoch 59 done in 0.2s, final loss: 0.136412

[epoch 60] batch 0 loss 0.360602

Epoch 60 done in 0.2s, final loss: 0.244833

[epoch 61] batch 0 loss 0.151196

Epoch 61 done in 0.2s, final loss: 0.253619

[epoch 62] batch 0 loss 0.104487

Epoch 62 done in 0.2s, final loss: 0.126509

[epoch 63] batch 0 loss 0.337798

Epoch 63 done in 0.2s, final loss: 0.156380

[epoch 64] batch 0 loss 0.152533

Epoch 64 done in 0.2s, final loss: 0.239437

[epoch 65] batch 0 loss 0.432742

Epoch 65 done in 0.2s, final loss: 0.108730

[epoch 66] batch 0 loss 0.120933

Epoch 66 done in 0.2s, final loss: 0.141789

[epoch 67] batch 0 loss 0.131822

Epoch 67 done in 0.2s, final loss: 0.388656

[epoch 68] batch 0 loss 0.270785

Epoch 68 done in 0.2s, final loss: 0.332703

[epoch 69] batch 0 loss 0.102764

Epoch 69 done in 0.2s, final loss: 0.354109

[epoch 70] batch 0 loss 0.140482

Epoch 70 done in 0.2s, final loss: 0.116407

[epoch 71] batch 0 loss 0.099344

Epoch 71 done in 0.2s, final loss: 0.380736

[epoch 72] batch 0 loss 0.382854

Epoch 72 done in 0.2s, final loss: 0.438685

[epoch 73] batch 0 loss 0.410343

Epoch 73 done in 0.2s, final loss: 0.310759

[epoch 74] batch 0 loss 0.284006

Epoch 74 done in 0.2s, final loss: 0.181644

[epoch 75] batch 0 loss 0.178842

Epoch 75 done in 0.2s, final loss: 0.148350

[epoch 76] batch 0 loss 0.248908

Epoch 76 done in 0.2s, final loss: 0.130494

[epoch 77] batch 0 loss 0.288426

Epoch 77 done in 0.2s, final loss: 0.728777

[epoch 78] batch 0 loss 0.628221

Epoch 78 done in 0.2s, final loss: 0.648946

[epoch 79] batch 0 loss 0.234001

Epoch 79 done in 0.2s, final loss: 0.128146

[epoch 80] batch 0 loss 0.091766

Epoch 80 done in 0.2s, final loss: 0.268371

[epoch 81] batch 0 loss 0.233387

Epoch 81 done in 0.2s, final loss: 0.148838

[epoch 82] batch 0 loss 0.357011

Epoch 82 done in 0.2s, final loss: 0.160661

[epoch 83] batch 0 loss 0.260602

Epoch 83 done in 0.2s, final loss: 0.107881

[epoch 84] batch 0 loss 0.112570

Epoch 84 done in 0.2s, final loss: 0.140952

[epoch 85] batch 0 loss 0.104175

Epoch 85 done in 0.2s, final loss: 0.204019

[epoch 86] batch 0 loss 0.097695

Epoch 86 done in 0.2s, final loss: 0.285553

[epoch 87] batch 0 loss 0.250968

Epoch 87 done in 0.2s, final loss: 0.274672

[epoch 88] batch 0 loss 0.158582

Epoch 88 done in 0.2s, final loss: 0.108257

[epoch 89] batch 0 loss 0.193308

Epoch 89 done in 0.2s, final loss: 0.131133

[epoch 90] batch 0 loss 0.172714

Epoch 90 done in 0.2s, final loss: 0.150409

[epoch 91] batch 0 loss 0.201405

Epoch 91 done in 0.2s, final loss: 0.115499

[epoch 92] batch 0 loss 0.128810

Epoch 92 done in 0.2s, final loss: 0.160276

[epoch 93] batch 0 loss 0.108138

Epoch 93 done in 0.2s, final loss: 0.122200

[epoch 94] batch 0 loss 0.152468

Epoch 94 done in 0.2s, final loss: 0.280579

[epoch 95] batch 0 loss 0.092409

Epoch 95 done in 0.2s, final loss: 0.081020

[epoch 96] batch 0 loss 0.102693

Epoch 96 done in 0.2s, final loss: 0.209838

[epoch 97] batch 0 loss 0.311720

Epoch 97 done in 0.2s, final loss: 0.213765

[epoch 98] batch 0 loss 0.101001

Epoch 98 done in 0.2s, final loss: 0.218194

[epoch 99] batch 0 loss 0.085180

Epoch 99 done in 0.2s, final loss: 0.349571

[epoch 100] batch 0 loss 0.269709

Epoch 100 done in 0.2s, final loss: 0.527946

[epoch 101] batch 0 loss 0.212554

Epoch 101 done in 0.2s, final loss: 0.267166

[epoch 102] batch 0 loss 0.106508

Epoch 102 done in 0.2s, final loss: 0.128377

[epoch 103] batch 0 loss 0.110785

Epoch 103 done in 0.2s, final loss: 0.163709

[epoch 104] batch 0 loss 0.132211

Epoch 104 done in 0.2s, final loss: 0.181319

[epoch 105] batch 0 loss 0.085012

Epoch 105 done in 0.2s, final loss: 0.328882

[epoch 106] batch 0 loss 0.141715

Epoch 106 done in 0.2s, final loss: 0.229003

[epoch 107] batch 0 loss 0.121256

Epoch 107 done in 0.2s, final loss: 0.438742

[epoch 108] batch 0 loss 0.097568

Epoch 108 done in 0.2s, final loss: 0.112538

[epoch 109] batch 0 loss 0.191885

Epoch 109 done in 0.2s, final loss: 0.210908

[epoch 110] batch 0 loss 0.100461

Epoch 110 done in 0.2s, final loss: 0.101076

[epoch 111] batch 0 loss 0.102226

Epoch 111 done in 0.2s, final loss: 0.880304

[epoch 112] batch 0 loss 0.284630

Epoch 112 done in 0.2s, final loss: 0.218289

[epoch 113] batch 0 loss 0.130027

Epoch 113 done in 0.2s, final loss: 0.302547

[epoch 114] batch 0 loss 0.170500

Epoch 114 done in 0.2s, final loss: 0.083929

[epoch 115] batch 0 loss 0.107204

Epoch 115 done in 0.2s, final loss: 0.111737

[epoch 116] batch 0 loss 0.203880

Epoch 116 done in 0.2s, final loss: 0.054702

[epoch 117] batch 0 loss 0.060019

Epoch 117 done in 0.2s, final loss: 0.069139

[epoch 118] batch 0 loss 0.118922

Epoch 118 done in 0.2s, final loss: 0.385313

[epoch 119] batch 0 loss 0.104913

Epoch 119 done in 0.2s, final loss: 0.326881

[epoch 120] batch 0 loss 0.060041

Epoch 120 done in 0.2s, final loss: 0.076239

[epoch 121] batch 0 loss 0.077000

Epoch 121 done in 0.2s, final loss: 0.267392

[epoch 122] batch 0 loss 0.286079

Epoch 122 done in 0.2s, final loss: 0.085841

[epoch 123] batch 0 loss 0.090502

Epoch 123 done in 0.2s, final loss: 0.314195

[epoch 124] batch 0 loss 0.100239

Epoch 124 done in 0.2s, final loss: 0.140204

[epoch 125] batch 0 loss 0.244240

Epoch 125 done in 0.2s, final loss: 0.419835

[epoch 126] batch 0 loss 0.110960

Epoch 126 done in 0.2s, final loss: 0.446629

[epoch 127] batch 0 loss 0.354908

Epoch 127 done in 0.2s, final loss: 0.163620

[epoch 128] batch 0 loss 0.092009

Epoch 128 done in 0.2s, final loss: 0.344930

[epoch 129] batch 0 loss 0.106884

Epoch 129 done in 0.2s, final loss: 0.108171

[epoch 130] batch 0 loss 0.064402

Epoch 130 done in 0.2s, final loss: 0.274137

[epoch 131] batch 0 loss 0.094042

Epoch 131 done in 0.2s, final loss: 0.354267

[epoch 132] batch 0 loss 0.168271

Epoch 132 done in 0.2s, final loss: 0.108186

[epoch 133] batch 0 loss 0.150539

Epoch 133 done in 0.2s, final loss: 0.135322

[epoch 134] batch 0 loss 0.261831

Epoch 134 done in 0.2s, final loss: 0.095543

[epoch 135] batch 0 loss 0.083602

Epoch 135 done in 0.2s, final loss: 0.097678

[epoch 136] batch 0 loss 0.258035

Epoch 136 done in 0.2s, final loss: 0.120785

[epoch 137] batch 0 loss 0.113517

Epoch 137 done in 0.2s, final loss: 0.114501

[epoch 138] batch 0 loss 0.349426

Epoch 138 done in 0.2s, final loss: 0.294032

[epoch 139] batch 0 loss 0.302650

Epoch 139 done in 0.2s, final loss: 0.692836

[epoch 140] batch 0 loss 0.138429

Epoch 140 done in 0.2s, final loss: 0.358658

[epoch 141] batch 0 loss 0.084156

Epoch 141 done in 0.2s, final loss: 0.373934

[epoch 142] batch 0 loss 0.128970

Epoch 142 done in 0.2s, final loss: 0.251542

[epoch 143] batch 0 loss 0.093306

Epoch 143 done in 0.2s, final loss: 0.224093

[epoch 144] batch 0 loss 0.334840

Epoch 144 done in 0.2s, final loss: 0.444677

[epoch 145] batch 0 loss 0.106840

Epoch 145 done in 0.2s, final loss: 0.259566

[epoch 146] batch 0 loss 0.108598

Epoch 146 done in 0.2s, final loss: 0.263237

[epoch 147] batch 0 loss 0.091803

Epoch 147 done in 0.2s, final loss: 0.441928

[epoch 148] batch 0 loss 0.102980

Epoch 148 done in 0.2s, final loss: 0.413241

[epoch 149] batch 0 loss 0.302013

Epoch 149 done in 0.2s, final loss: 0.083597

[epoch 150] batch 0 loss 0.384078

Epoch 150 done in 0.2s, final loss: 0.146895

[epoch 151] batch 0 loss 0.294726

Epoch 151 done in 0.2s, final loss: 0.060420

[epoch 152] batch 0 loss 0.104197

Epoch 152 done in 0.2s, final loss: 0.137690

[epoch 153] batch 0 loss 0.317310

Epoch 153 done in 0.2s, final loss: 0.058139

[epoch 154] batch 0 loss 0.321719

Epoch 154 done in 0.2s, final loss: 0.204380

[epoch 155] batch 0 loss 0.307555

Epoch 155 done in 0.2s, final loss: 0.066209

[epoch 156] batch 0 loss 0.123503

Epoch 156 done in 0.2s, final loss: 0.148208

[epoch 157] batch 0 loss 0.292914

Epoch 157 done in 0.2s, final loss: 0.233632

[epoch 158] batch 0 loss 0.404182

Epoch 158 done in 0.2s, final loss: 0.095316

[epoch 159] batch 0 loss 0.204366

Epoch 159 done in 0.2s, final loss: 0.101216

[epoch 160] batch 0 loss 0.377584

Epoch 160 done in 0.2s, final loss: 0.247493

[epoch 161] batch 0 loss 0.066494

Epoch 161 done in 0.2s, final loss: 0.098744

[epoch 162] batch 0 loss 0.059041

Epoch 162 done in 0.2s, final loss: 0.189312

[epoch 163] batch 0 loss 0.112500

Epoch 163 done in 0.2s, final loss: 0.408330

[epoch 164] batch 0 loss 0.245241

Epoch 164 done in 0.2s, final loss: 0.301986

[epoch 165] batch 0 loss 0.335493

Epoch 165 done in 0.2s, final loss: 0.319318

[epoch 166] batch 0 loss 0.084538

Epoch 166 done in 0.2s, final loss: 0.113327

[epoch 167] batch 0 loss 0.186315

Epoch 167 done in 0.2s, final loss: 0.110929

[epoch 168] batch 0 loss 0.131893

Epoch 168 done in 0.2s, final loss: 0.085431

[epoch 169] batch 0 loss 0.110578

Epoch 169 done in 0.2s, final loss: 1.140904

[epoch 170] batch 0 loss 0.152726

Epoch 170 done in 0.2s, final loss: 0.237616

[epoch 171] batch 0 loss 0.087614

Epoch 171 done in 0.2s, final loss: 0.070999

[epoch 172] batch 0 loss 0.082972

Epoch 172 done in 0.2s, final loss: 0.073339

[epoch 173] batch 0 loss 0.313430

Epoch 173 done in 0.2s, final loss: 0.102343

[epoch 174] batch 0 loss 0.196240

Epoch 174 done in 0.2s, final loss: 0.100717

[epoch 175] batch 0 loss 0.884028

Epoch 175 done in 0.2s, final loss: 0.081172

[epoch 176] batch 0 loss 0.268761

Epoch 176 done in 0.2s, final loss: 0.150345

[epoch 177] batch 0 loss 0.123841

Epoch 177 done in 0.2s, final loss: 0.310275

[epoch 178] batch 0 loss 0.342519

Epoch 178 done in 0.2s, final loss: 0.077022

[epoch 179] batch 0 loss 0.210468

Epoch 179 done in 0.2s, final loss: 0.066212

[epoch 180] batch 0 loss 0.161440

Epoch 180 done in 0.2s, final loss: 0.118756

[epoch 181] batch 0 loss 0.094924

Epoch 181 done in 0.2s, final loss: 0.264276

[epoch 182] batch 0 loss 0.095309

Epoch 182 done in 0.2s, final loss: 0.060988

[epoch 183] batch 0 loss 0.069101

Epoch 183 done in 0.2s, final loss: 0.204107

[epoch 184] batch 0 loss 0.250341

Epoch 184 done in 0.2s, final loss: 0.330007

[epoch 185] batch 0 loss 0.388104

Epoch 185 done in 0.2s, final loss: 0.075439

[epoch 186] batch 0 loss 0.082331

Epoch 186 done in 0.2s, final loss: 0.234478

[epoch 187] batch 0 loss 0.099275

Epoch 187 done in 0.2s, final loss: 0.334078

[epoch 188] batch 0 loss 0.154083

Epoch 188 done in 0.2s, final loss: 0.221140

[epoch 189] batch 0 loss 0.163756

Epoch 189 done in 0.2s, final loss: 0.343456

[epoch 190] batch 0 loss 0.123489

Epoch 190 done in 0.2s, final loss: 0.228495

[epoch 191] batch 0 loss 0.286231

Epoch 191 done in 0.2s, final loss: 0.145040

[epoch 192] batch 0 loss 0.281147

Epoch 192 done in 0.2s, final loss: 0.339767

[epoch 193] batch 0 loss 0.652859

Epoch 193 done in 0.2s, final loss: 0.269717

[epoch 194] batch 0 loss 0.689757

Epoch 194 done in 0.2s, final loss: 0.257223

[epoch 195] batch 0 loss 0.216694

Epoch 195 done in 0.2s, final loss: 0.097099

[epoch 196] batch 0 loss 0.080337

Epoch 196 done in 0.2s, final loss: 0.057844

[epoch 197] batch 0 loss 0.575891

Epoch 197 done in 0.2s, final loss: 0.179898

[epoch 198] batch 0 loss 0.133233

Epoch 198 done in 0.2s, final loss: 0.056030

[epoch 199] batch 0 loss 0.082446

Epoch 199 done in 0.2s, final loss: 0.223782

[epoch 200] batch 0 loss 0.051864

Epoch 200 done in 0.2s, final loss: 0.108760

[epoch 201] batch 0 loss 0.157483

Epoch 201 done in 0.2s, final loss: 0.146743

[epoch 202] batch 0 loss 0.059717

Epoch 202 done in 0.2s, final loss: 0.621071

[epoch 203] batch 0 loss 0.100310

Epoch 203 done in 0.2s, final loss: 0.296316

[epoch 204] batch 0 loss 0.304468

Epoch 204 done in 0.2s, final loss: 0.229398

[epoch 205] batch 0 loss 0.339918

Epoch 205 done in 0.2s, final loss: 0.150145

[epoch 206] batch 0 loss 0.191351

Epoch 206 done in 0.2s, final loss: 0.127906

[epoch 207] batch 0 loss 0.097208

Epoch 207 done in 0.2s, final loss: 0.179032

[epoch 208] batch 0 loss 0.241639

Epoch 208 done in 0.2s, final loss: 0.100081

[epoch 209] batch 0 loss 0.088896

Epoch 209 done in 0.2s, final loss: 0.088345

[epoch 210] batch 0 loss 0.073237

Epoch 210 done in 0.2s, final loss: 0.096994

[epoch 211] batch 0 loss 0.078909

Epoch 211 done in 0.2s, final loss: 0.097039

[epoch 212] batch 0 loss 0.059593

Epoch 212 done in 0.2s, final loss: 0.104993

[epoch 213] batch 0 loss 0.400714

Epoch 213 done in 0.2s, final loss: 0.418392

[epoch 214] batch 0 loss 0.341935

Epoch 214 done in 0.2s, final loss: 1.106746

[epoch 215] batch 0 loss 0.104661

Epoch 215 done in 0.2s, final loss: 0.102608

[epoch 216] batch 0 loss 0.098623

Epoch 216 done in 0.2s, final loss: 0.069593

[epoch 217] batch 0 loss 0.099898

Epoch 217 done in 0.2s, final loss: 0.070134

[epoch 218] batch 0 loss 0.085958

Epoch 218 done in 0.2s, final loss: 0.105402

[epoch 219] batch 0 loss 0.190987

Epoch 219 done in 0.2s, final loss: 0.095220

[epoch 220] batch 0 loss 0.064763

Epoch 220 done in 0.2s, final loss: 0.085665

[epoch 221] batch 0 loss 0.060770

Epoch 221 done in 0.2s, final loss: 0.048784

[epoch 222] batch 0 loss 0.081917

Epoch 222 done in 0.2s, final loss: 0.276375

[epoch 223] batch 0 loss 0.108154

Epoch 223 done in 0.2s, final loss: 0.213957

[epoch 224] batch 0 loss 0.088445

Epoch 224 done in 0.2s, final loss: 0.043276

[epoch 225] batch 0 loss 0.066859

Epoch 225 done in 0.2s, final loss: 0.374383

[epoch 226] batch 0 loss 0.470279

Epoch 226 done in 0.2s, final loss: 0.079040

[epoch 227] batch 0 loss 0.095531

Epoch 227 done in 0.2s, final loss: 0.092672

[epoch 228] batch 0 loss 0.106940

Epoch 228 done in 0.2s, final loss: 0.087827

[epoch 229] batch 0 loss 0.102725

Epoch 229 done in 0.2s, final loss: 0.085371

[epoch 230] batch 0 loss 0.164116

Epoch 230 done in 0.2s, final loss: 0.106361

[epoch 231] batch 0 loss 0.079025

Epoch 231 done in 0.2s, final loss: 0.088831

[epoch 232] batch 0 loss 0.322192

Epoch 232 done in 0.2s, final loss: 0.137232

[epoch 233] batch 0 loss 0.235285

Epoch 233 done in 0.2s, final loss: 0.068175

[epoch 234] batch 0 loss 0.094950

Epoch 234 done in 0.2s, final loss: 0.447121

[epoch 235] batch 0 loss 0.100264

Epoch 235 done in 0.2s, final loss: 0.280311

[epoch 236] batch 0 loss 0.109770

Epoch 236 done in 0.2s, final loss: 0.207362

[epoch 237] batch 0 loss 0.150038

Epoch 237 done in 0.2s, final loss: 0.086233

[epoch 238] batch 0 loss 0.062318

Epoch 238 done in 0.2s, final loss: 0.353420

[epoch 239] batch 0 loss 0.280424

Epoch 239 done in 0.2s, final loss: 0.050008

[epoch 240] batch 0 loss 0.056871

Epoch 240 done in 0.2s, final loss: 0.895169

[epoch 241] batch 0 loss 0.068350

Epoch 241 done in 0.2s, final loss: 0.269382

[epoch 242] batch 0 loss 0.079099

Epoch 242 done in 0.2s, final loss: 0.102211

[epoch 243] batch 0 loss 0.067565

Epoch 243 done in 0.2s, final loss: 0.114191

[epoch 244] batch 0 loss 0.268114

Epoch 244 done in 0.2s, final loss: 0.353165

[epoch 245] batch 0 loss 0.097591

Epoch 245 done in 0.2s, final loss: 0.175037

[epoch 246] batch 0 loss 0.068994

Epoch 246 done in 0.2s, final loss: 0.290854

[epoch 247] batch 0 loss 0.086597

Epoch 247 done in 0.2s, final loss: 0.071671

[epoch 248] batch 0 loss 0.136402

Epoch 248 done in 0.2s, final loss: 0.101021

[epoch 249] batch 0 loss 0.103827

Epoch 249 done in 0.2s, final loss: 0.087722

[epoch 250] batch 0 loss 0.096520

Epoch 250 done in 0.2s, final loss: 0.049620

[epoch 251] batch 0 loss 0.056159

Epoch 251 done in 0.2s, final loss: 0.309026

[epoch 252] batch 0 loss 0.061701

Epoch 252 done in 0.2s, final loss: 0.057962

[epoch 253] batch 0 loss 0.198318

Epoch 253 done in 0.2s, final loss: 0.192363

[epoch 254] batch 0 loss 0.050089

Epoch 254 done in 0.2s, final loss: 0.082897

[epoch 255] batch 0 loss 0.051645

Epoch 255 done in 0.2s, final loss: 0.181944

[epoch 256] batch 0 loss 0.133348

Epoch 256 done in 0.2s, final loss: 0.089236

[epoch 257] batch 0 loss 0.226181

Epoch 257 done in 0.2s, final loss: 1.100011

[epoch 258] batch 0 loss 0.164442

Epoch 258 done in 0.2s, final loss: 0.271454

[epoch 259] batch 0 loss 0.101032

Epoch 259 done in 0.2s, final loss: 0.213736

[epoch 260] batch 0 loss 0.252879

Epoch 260 done in 0.2s, final loss: 0.098219

[epoch 261] batch 0 loss 0.152142

Epoch 261 done in 0.2s, final loss: 0.126201

[epoch 262] batch 0 loss 0.159825

Epoch 262 done in 0.2s, final loss: 0.057622

[epoch 263] batch 0 loss 0.077162

Epoch 263 done in 0.2s, final loss: 0.073068

[epoch 264] batch 0 loss 0.104847

Epoch 264 done in 0.2s, final loss: 0.062853

[epoch 265] batch 0 loss 0.085436

Epoch 265 done in 0.2s, final loss: 0.087441

[epoch 266] batch 0 loss 0.042400

Epoch 266 done in 0.2s, final loss: 0.133830

[epoch 267] batch 0 loss 0.066706

Epoch 267 done in 0.2s, final loss: 0.103033

[epoch 268] batch 0 loss 0.288597

Epoch 268 done in 0.2s, final loss: 0.058498

[epoch 269] batch 0 loss 0.069903

Epoch 269 done in 0.2s, final loss: 0.310714

[epoch 270] batch 0 loss 0.064577

Epoch 270 done in 0.2s, final loss: 0.095249

[epoch 271] batch 0 loss 0.113153

Epoch 271 done in 0.2s, final loss: 0.072340

[epoch 272] batch 0 loss 0.164159

Epoch 272 done in 0.2s, final loss: 0.063420

[epoch 273] batch 0 loss 0.149310

Epoch 273 done in 0.2s, final loss: 0.089026

[epoch 274] batch 0 loss 0.149244

Epoch 274 done in 0.2s, final loss: 0.113829

[epoch 275] batch 0 loss 0.053507

Epoch 275 done in 0.2s, final loss: 0.081206

[epoch 276] batch 0 loss 0.110410

Epoch 276 done in 0.2s, final loss: 0.056168

[epoch 277] batch 0 loss 0.069487

Epoch 277 done in 0.2s, final loss: 0.068915

[epoch 278] batch 0 loss 0.085905

Epoch 278 done in 0.2s, final loss: 0.073841

[epoch 279] batch 0 loss 0.054829

Epoch 279 done in 0.2s, final loss: 0.169339

[epoch 280] batch 0 loss 0.366707

Epoch 280 done in 0.2s, final loss: 0.087076

[epoch 281] batch 0 loss 0.060379

Epoch 281 done in 0.2s, final loss: 0.057763

[epoch 282] batch 0 loss 0.312776

Epoch 282 done in 0.2s, final loss: 0.119809

[epoch 283] batch 0 loss 0.297440

Epoch 283 done in 0.2s, final loss: 0.299976

[epoch 284] batch 0 loss 0.074363

Epoch 284 done in 0.2s, final loss: 0.820642

[epoch 285] batch 0 loss 0.121992

Epoch 285 done in 0.2s, final loss: 0.064003

[epoch 286] batch 0 loss 0.127796

Epoch 286 done in 0.2s, final loss: 0.223463

[epoch 287] batch 0 loss 0.029575

Epoch 287 done in 0.2s, final loss: 0.142813

[epoch 288] batch 0 loss 0.237820

Epoch 288 done in 0.2s, final loss: 0.072841

[epoch 289] batch 0 loss 0.084175

Epoch 289 done in 0.2s, final loss: 0.231956

[epoch 290] batch 0 loss 0.180902

Epoch 290 done in 0.2s, final loss: 0.082066

[epoch 291] batch 0 loss 0.126045

Epoch 291 done in 0.2s, final loss: 0.073716

[epoch 292] batch 0 loss 0.215092

Epoch 292 done in 0.2s, final loss: 0.083311

[epoch 293] batch 0 loss 0.057248

Epoch 293 done in 0.2s, final loss: 0.058123

[epoch 294] batch 0 loss 0.061772

Epoch 294 done in 0.2s, final loss: 0.171719

[epoch 295] batch 0 loss 0.096209

Epoch 295 done in 0.2s, final loss: 0.067272

[epoch 296] batch 0 loss 0.142149

Epoch 296 done in 0.2s, final loss: 0.071790

[epoch 297] batch 0 loss 0.077549

Epoch 297 done in 0.2s, final loss: 0.071309

[epoch 298] batch 0 loss 0.237543

Epoch 298 done in 0.2s, final loss: 0.063532

[epoch 299] batch 0 loss 0.167974

Epoch 299 done in 0.2s, final loss: 0.086666

[epoch 300] batch 0 loss 0.093294

Epoch 300 done in 0.2s, final loss: 0.078672

[epoch 301] batch 0 loss 0.237573

Epoch 301 done in 0.2s, final loss: 0.288996

[epoch 302] batch 0 loss 0.106321

Epoch 302 done in 0.2s, final loss: 0.460257

[epoch 303] batch 0 loss 0.342244

Epoch 303 done in 0.2s, final loss: 0.066252

[epoch 304] batch 0 loss 0.107558

Epoch 304 done in 0.2s, final loss: 0.098853

[epoch 305] batch 0 loss 0.290766

Epoch 305 done in 0.2s, final loss: 0.098707

[epoch 306] batch 0 loss 0.228535

Epoch 306 done in 0.2s, final loss: 0.274451

[epoch 307] batch 0 loss 0.284934

Epoch 307 done in 0.2s, final loss: 0.096740

[epoch 308] batch 0 loss 0.174149

Epoch 308 done in 0.2s, final loss: 0.129524

[epoch 309] batch 0 loss 0.062452

Epoch 309 done in 0.2s, final loss: 0.060426

[epoch 310] batch 0 loss 0.134632

Epoch 310 done in 0.2s, final loss: 0.067294

[epoch 311] batch 0 loss 0.157432

Epoch 311 done in 0.2s, final loss: 0.084662

[epoch 312] batch 0 loss 0.171963

Epoch 312 done in 0.2s, final loss: 0.063284

[epoch 313] batch 0 loss 0.056427

Epoch 313 done in 0.2s, final loss: 0.290780

[epoch 314] batch 0 loss 0.058197

Epoch 314 done in 0.2s, final loss: 0.061875

[epoch 315] batch 0 loss 0.102470

Epoch 315 done in 0.2s, final loss: 0.290008

[epoch 316] batch 0 loss 0.090127

Epoch 316 done in 0.2s, final loss: 0.074681

[epoch 317] batch 0 loss 0.072275

Epoch 317 done in 0.2s, final loss: 0.075887

[epoch 318] batch 0 loss 0.063563

Epoch 318 done in 0.2s, final loss: 0.066629

[epoch 319] batch 0 loss 0.049280

Epoch 319 done in 0.2s, final loss: 0.220397

[epoch 320] batch 0 loss 0.049171

Epoch 320 done in 0.2s, final loss: 0.069678

[epoch 321] batch 0 loss 0.171533

Epoch 321 done in 0.2s, final loss: 0.071385

[epoch 322] batch 0 loss 0.081133

Epoch 322 done in 0.2s, final loss: 0.226223

[epoch 323] batch 0 loss 0.318990

Epoch 323 done in 0.2s, final loss: 0.079833

[epoch 324] batch 0 loss 0.127472

Epoch 324 done in 0.2s, final loss: 0.077070

[epoch 325] batch 0 loss 0.148374

Epoch 325 done in 0.2s, final loss: 0.327707

[epoch 326] batch 0 loss 0.073005

Epoch 326 done in 0.2s, final loss: 0.213594

[epoch 327] batch 0 loss 0.049296

Epoch 327 done in 0.2s, final loss: 0.063992

[epoch 328] batch 0 loss 0.126185

Epoch 328 done in 0.2s, final loss: 0.382656

[epoch 329] batch 0 loss 0.104374

Epoch 329 done in 0.2s, final loss: 0.097551

[epoch 330] batch 0 loss 0.081455

Epoch 330 done in 0.2s, final loss: 0.069079

[epoch 331] batch 0 loss 0.085569

Epoch 331 done in 0.2s, final loss: 0.058671

[epoch 332] batch 0 loss 0.049878

Epoch 332 done in 0.2s, final loss: 0.199694

[epoch 333] batch 0 loss 0.046607

Epoch 333 done in 0.2s, final loss: 0.081087

[epoch 334] batch 0 loss 0.279924

Epoch 334 done in 0.2s, final loss: 0.056709

[epoch 335] batch 0 loss 0.053590

Epoch 335 done in 0.2s, final loss: 0.335440

[epoch 336] batch 0 loss 0.256490

Epoch 336 done in 0.2s, final loss: 0.274072

[epoch 337] batch 0 loss 0.086170

Epoch 337 done in 0.2s, final loss: 0.060431

[epoch 338] batch 0 loss 0.061155

Epoch 338 done in 0.2s, final loss: 0.164644

[epoch 339] batch 0 loss 0.272316

Epoch 339 done in 0.2s, final loss: 0.067921

[epoch 340] batch 0 loss 0.132913

Epoch 340 done in 0.2s, final loss: 0.087311

[epoch 341] batch 0 loss 0.267302

Epoch 341 done in 0.2s, final loss: 0.101485

[epoch 342] batch 0 loss 0.086630

Epoch 342 done in 0.2s, final loss: 0.309260

[epoch 343] batch 0 loss 0.348496

Epoch 343 done in 0.2s, final loss: 0.089254

[epoch 344] batch 0 loss 0.053710

Epoch 344 done in 0.2s, final loss: 0.055698

[epoch 345] batch 0 loss 0.070763

Epoch 345 done in 0.2s, final loss: 0.120108

[epoch 346] batch 0 loss 0.162340

Epoch 346 done in 0.2s, final loss: 0.039841

[epoch 347] batch 0 loss 0.049637

Epoch 347 done in 0.2s, final loss: 0.057524

[epoch 348] batch 0 loss 0.119384

Epoch 348 done in 0.2s, final loss: 0.056293

[epoch 349] batch 0 loss 0.091394

Epoch 349 done in 0.2s, final loss: 0.153888

[epoch 350] batch 0 loss 0.068557

Epoch 350 done in 0.2s, final loss: 0.075512

[epoch 351] batch 0 loss 0.133338

Epoch 351 done in 0.2s, final loss: 0.058109

[epoch 352] batch 0 loss 0.051223

Epoch 352 done in 0.2s, final loss: 0.082618

[epoch 353] batch 0 loss 0.029051

Epoch 353 done in 0.2s, final loss: 0.323223

[epoch 354] batch 0 loss 0.153224

Epoch 354 done in 0.2s, final loss: 0.247608

[epoch 355] batch 0 loss 0.191755

Epoch 355 done in 0.2s, final loss: 0.061152

[epoch 356] batch 0 loss 0.248975

Epoch 356 done in 0.2s, final loss: 0.084212

[epoch 357] batch 0 loss 0.106730

Epoch 357 done in 0.2s, final loss: 0.201771

[epoch 358] batch 0 loss 0.069489

Epoch 358 done in 0.2s, final loss: 0.049786

[epoch 359] batch 0 loss 0.069172

Epoch 359 done in 0.2s, final loss: 0.060425

[epoch 360] batch 0 loss 0.037747

Epoch 360 done in 0.2s, final loss: 0.213113

[epoch 361] batch 0 loss 0.219611

Epoch 361 done in 0.2s, final loss: 0.177953

[epoch 362] batch 0 loss 0.072396

Epoch 362 done in 0.2s, final loss: 0.046385

[epoch 363] batch 0 loss 0.079391

Epoch 363 done in 0.2s, final loss: 0.303422

[epoch 364] batch 0 loss 0.205342

Epoch 364 done in 0.2s, final loss: 0.046544

[epoch 365] batch 0 loss 0.077886

Epoch 365 done in 0.2s, final loss: 0.102603

[epoch 366] batch 0 loss 0.136427

Epoch 366 done in 0.2s, final loss: 0.113736

[epoch 367] batch 0 loss 0.113485

Epoch 367 done in 0.2s, final loss: 0.076788

[epoch 368] batch 0 loss 0.061417

Epoch 368 done in 0.2s, final loss: 0.675601

[epoch 369] batch 0 loss 0.068156

Epoch 369 done in 0.2s, final loss: 0.130890

[epoch 370] batch 0 loss 0.088198

Epoch 370 done in 0.2s, final loss: 0.044645

[epoch 371] batch 0 loss 0.227220

Epoch 371 done in 0.2s, final loss: 0.068616

[epoch 372] batch 0 loss 0.045582

Epoch 372 done in 0.2s, final loss: 0.187689

[epoch 373] batch 0 loss 0.052828

Epoch 373 done in 0.2s, final loss: 0.316197

[epoch 374] batch 0 loss 0.063456

Epoch 374 done in 0.2s, final loss: 0.051640

[epoch 375] batch 0 loss 0.063278

Epoch 375 done in 0.2s, final loss: 0.046160

[epoch 376] batch 0 loss 0.082581

Epoch 376 done in 0.2s, final loss: 0.096163

[epoch 377] batch 0 loss 0.151528

Epoch 377 done in 0.2s, final loss: 0.051010

[epoch 378] batch 0 loss 0.051543

Epoch 378 done in 0.2s, final loss: 0.106404

[epoch 379] batch 0 loss 0.034687

Epoch 379 done in 0.2s, final loss: 0.113679

[epoch 380] batch 0 loss 0.065553

Epoch 380 done in 0.2s, final loss: 0.185102

[epoch 381] batch 0 loss 0.039679

Epoch 381 done in 0.2s, final loss: 0.070389

[epoch 382] batch 0 loss 0.073833

Epoch 382 done in 0.2s, final loss: 0.058565

[epoch 383] batch 0 loss 0.034616

Epoch 383 done in 0.2s, final loss: 0.322533

[epoch 384] batch 0 loss 0.041372

Epoch 384 done in 0.2s, final loss: 0.096685

[epoch 385] batch 0 loss 0.072871

Epoch 385 done in 0.2s, final loss: 0.217732

[epoch 386] batch 0 loss 0.223772

Epoch 386 done in 0.2s, final loss: 0.342626

[epoch 387] batch 0 loss 0.063449

Epoch 387 done in 0.2s, final loss: 0.043201

[epoch 388] batch 0 loss 0.138549

Epoch 388 done in 0.2s, final loss: 0.115236

[epoch 389] batch 0 loss 0.123785

Epoch 389 done in 0.2s, final loss: 0.040276

[epoch 390] batch 0 loss 0.103464

Epoch 390 done in 0.2s, final loss: 0.230055

[epoch 391] batch 0 loss 0.124805

Epoch 391 done in 0.2s, final loss: 0.103269

[epoch 392] batch 0 loss 0.382794

Epoch 392 done in 0.2s, final loss: 0.139632

[epoch 393] batch 0 loss 0.207709

Epoch 393 done in 0.2s, final loss: 0.325888

[epoch 394] batch 0 loss 0.338221

Epoch 394 done in 0.2s, final loss: 0.114744

[epoch 395] batch 0 loss 0.277088

Epoch 395 done in 0.2s, final loss: 0.069879

[epoch 396] batch 0 loss 0.204881

Epoch 396 done in 0.2s, final loss: 0.121578

[epoch 397] batch 0 loss 0.327315

Epoch 397 done in 0.2s, final loss: 0.213655

[epoch 398] batch 0 loss 0.323398

Epoch 398 done in 0.2s, final loss: 0.074325

[epoch 399] batch 0 loss 0.043783

Epoch 399 done in 0.2s, final loss: 0.071531

[epoch 400] batch 0 loss 0.065727

Epoch 400 done in 0.2s, final loss: 0.280916

[epoch 401] batch 0 loss 0.198286

Epoch 401 done in 0.2s, final loss: 0.050756

[epoch 402] batch 0 loss 0.057585

Epoch 402 done in 0.2s, final loss: 0.050339

[epoch 403] batch 0 loss 0.253275

Epoch 403 done in 0.2s, final loss: 0.092220

[epoch 404] batch 0 loss 1.075179

Epoch 404 done in 0.2s, final loss: 0.124025

[epoch 405] batch 0 loss 0.092987

Epoch 405 done in 0.2s, final loss: 0.075748

[epoch 406] batch 0 loss 0.050322

Epoch 406 done in 0.2s, final loss: 0.988697

[epoch 407] batch 0 loss 0.407411

Epoch 407 done in 0.2s, final loss: 0.060498

[epoch 408] batch 0 loss 0.072909

Epoch 408 done in 0.2s, final loss: 0.076163

[epoch 409] batch 0 loss 0.086161

Epoch 409 done in 0.2s, final loss: 0.026152

[epoch 410] batch 0 loss 0.086508

Epoch 410 done in 0.2s, final loss: 0.037470

[epoch 411] batch 0 loss 0.051482

Epoch 411 done in 0.2s, final loss: 0.172155

[epoch 412] batch 0 loss 0.260710

Epoch 412 done in 0.2s, final loss: 0.105546

[epoch 413] batch 0 loss 0.056613

Epoch 413 done in 0.2s, final loss: 0.257660

[epoch 414] batch 0 loss 0.246980

Epoch 414 done in 0.2s, final loss: 0.095781

[epoch 415] batch 0 loss 0.119305

Epoch 415 done in 0.2s, final loss: 0.098079

[epoch 416] batch 0 loss 0.245941

Epoch 416 done in 0.2s, final loss: 0.080225

[epoch 417] batch 0 loss 0.055575

Epoch 417 done in 0.2s, final loss: 0.159470

[epoch 418] batch 0 loss 0.197098

Epoch 418 done in 0.2s, final loss: 0.083994

[epoch 419] batch 0 loss 0.053026

Epoch 419 done in 0.2s, final loss: 0.073297

[epoch 420] batch 0 loss 0.099271

Epoch 420 done in 0.2s, final loss: 0.066655

[epoch 421] batch 0 loss 0.077622

Epoch 421 done in 0.2s, final loss: 0.063439

[epoch 422] batch 0 loss 0.052194

Epoch 422 done in 0.2s, final loss: 0.145916

[epoch 423] batch 0 loss 0.164464

Epoch 423 done in 0.2s, final loss: 0.030427

[epoch 424] batch 0 loss 0.032108

Epoch 424 done in 0.2s, final loss: 0.184102

[epoch 425] batch 0 loss 0.153817

Epoch 425 done in 0.2s, final loss: 0.109459

[epoch 426] batch 0 loss 0.055278

Epoch 426 done in 0.2s, final loss: 0.035114

[epoch 427] batch 0 loss 0.043594

Epoch 427 done in 0.2s, final loss: 0.280463

[epoch 428] batch 0 loss 0.357582

Epoch 428 done in 0.2s, final loss: 0.050773

[epoch 429] batch 0 loss 0.097917

Epoch 429 done in 0.2s, final loss: 0.048477

[epoch 430] batch 0 loss 0.140383

Epoch 430 done in 0.2s, final loss: 0.068355

[epoch 431] batch 0 loss 0.057419

Epoch 431 done in 0.2s, final loss: 0.105798

[epoch 432] batch 0 loss 0.035005

Epoch 432 done in 0.2s, final loss: 0.452061

[epoch 433] batch 0 loss 0.052589

Epoch 433 done in 0.2s, final loss: 0.055425

[epoch 434] batch 0 loss 0.049746

Epoch 434 done in 0.2s, final loss: 0.063215

[epoch 435] batch 0 loss 0.037245

Epoch 435 done in 0.2s, final loss: 0.039093

[epoch 436] batch 0 loss 0.067679

Epoch 436 done in 0.2s, final loss: 0.079150

[epoch 437] batch 0 loss 0.050847

Epoch 437 done in 0.2s, final loss: 0.056277

[epoch 438] batch 0 loss 0.086529

Epoch 438 done in 0.2s, final loss: 0.033993

[epoch 439] batch 0 loss 0.196512

Epoch 439 done in 0.2s, final loss: 0.094836

[epoch 440] batch 0 loss 0.147457

Epoch 440 done in 0.2s, final loss: 0.069414

[epoch 441] batch 0 loss 0.044171

Epoch 441 done in 0.2s, final loss: 0.203138

[epoch 442] batch 0 loss 0.044237

Epoch 442 done in 0.2s, final loss: 0.090777

[epoch 443] batch 0 loss 0.073421

Epoch 443 done in 0.2s, final loss: 0.063982

[epoch 444] batch 0 loss 0.061073

Epoch 444 done in 0.2s, final loss: 0.239988

[epoch 445] batch 0 loss 0.147687

Epoch 445 done in 0.2s, final loss: 0.049127

[epoch 446] batch 0 loss 0.221037

Epoch 446 done in 0.2s, final loss: 0.074822

[epoch 447] batch 0 loss 0.079992

Epoch 447 done in 0.2s, final loss: 0.167542

[epoch 448] batch 0 loss 0.066217

Epoch 448 done in 0.2s, final loss: 0.403769

[epoch 449] batch 0 loss 0.073526

Epoch 449 done in 0.2s, final loss: 0.141604

[epoch 450] batch 0 loss 0.198040

Epoch 450 done in 0.2s, final loss: 0.100313

[epoch 451] batch 0 loss 0.094442

Epoch 451 done in 0.2s, final loss: 0.133902

[epoch 452] batch 0 loss 0.055569

Epoch 452 done in 0.2s, final loss: 0.049457

[epoch 453] batch 0 loss 0.093564

Epoch 453 done in 0.2s, final loss: 0.047705

[epoch 454] batch 0 loss 0.250912

Epoch 454 done in 0.2s, final loss: 0.058477

[epoch 455] batch 0 loss 0.149621

Epoch 455 done in 0.2s, final loss: 0.202971

[epoch 456] batch 0 loss 0.050278

Epoch 456 done in 0.2s, final loss: 0.093591

[epoch 457] batch 0 loss 0.158849

Epoch 457 done in 0.2s, final loss: 0.197312

[epoch 458] batch 0 loss 0.071224

Epoch 458 done in 0.2s, final loss: 0.290844

[epoch 459] batch 0 loss 0.054738

Epoch 459 done in 0.2s, final loss: 0.065972

[epoch 460] batch 0 loss 0.127682

Epoch 460 done in 0.2s, final loss: 0.331401

[epoch 461] batch 0 loss 0.046563

Epoch 461 done in 0.2s, final loss: 0.036928

[epoch 462] batch 0 loss 0.041620

Epoch 462 done in 0.2s, final loss: 0.278426

[epoch 463] batch 0 loss 0.125786

Epoch 463 done in 0.2s, final loss: 0.052939

[epoch 464] batch 0 loss 0.076820

Epoch 464 done in 0.2s, final loss: 0.057297

[epoch 465] batch 0 loss 0.046685

Epoch 465 done in 0.2s, final loss: 0.074153

[epoch 466] batch 0 loss 0.033779

Epoch 466 done in 0.2s, final loss: 0.171607

[epoch 467] batch 0 loss 0.100883

Epoch 467 done in 0.2s, final loss: 0.036361

[epoch 468] batch 0 loss 0.045631

Epoch 468 done in 0.2s, final loss: 0.041524

[epoch 469] batch 0 loss 0.155340

Epoch 469 done in 0.2s, final loss: 0.058065

[epoch 470] batch 0 loss 0.122085

Epoch 470 done in 0.2s, final loss: 0.281525

[epoch 471] batch 0 loss 0.177883

Epoch 471 done in 0.2s, final loss: 0.203439

[epoch 472] batch 0 loss 0.121798

Epoch 472 done in 0.2s, final loss: 0.039670

[epoch 473] batch 0 loss 0.079636

Epoch 473 done in 0.2s, final loss: 0.041594

[epoch 474] batch 0 loss 0.045703

Epoch 474 done in 0.2s, final loss: 0.054319

[epoch 475] batch 0 loss 0.111624

Epoch 475 done in 0.2s, final loss: 0.055896

[epoch 476] batch 0 loss 0.041502

Epoch 476 done in 0.2s, final loss: 0.118051

[epoch 477] batch 0 loss 0.041203

Epoch 477 done in 0.2s, final loss: 0.041490

[epoch 478] batch 0 loss 0.063574

Epoch 478 done in 0.2s, final loss: 0.041027

[epoch 479] batch 0 loss 0.066235

Epoch 479 done in 0.2s, final loss: 0.084418

[epoch 480] batch 0 loss 0.035460

Epoch 480 done in 0.2s, final loss: 0.105279

[epoch 481] batch 0 loss 0.126117

Epoch 481 done in 0.2s, final loss: 0.044334

[epoch 482] batch 0 loss 0.030326

Epoch 482 done in 0.2s, final loss: 0.061977

[epoch 483] batch 0 loss 0.244764

Epoch 483 done in 0.2s, final loss: 0.126230

[epoch 484] batch 0 loss 0.194060

Epoch 484 done in 0.2s, final loss: 0.257060

[epoch 485] batch 0 loss 0.045552

Epoch 485 done in 0.2s, final loss: 0.061433

[epoch 486] batch 0 loss 0.047021

Epoch 486 done in 0.2s, final loss: 0.099850

[epoch 487] batch 0 loss 0.047963

Epoch 487 done in 0.2s, final loss: 0.030287

[epoch 488] batch 0 loss 0.045754

Epoch 488 done in 0.2s, final loss: 0.043098

[epoch 489] batch 0 loss 0.050650

Epoch 489 done in 0.2s, final loss: 0.042644

[epoch 490] batch 0 loss 0.088899

Epoch 490 done in 0.2s, final loss: 0.077050

[epoch 491] batch 0 loss 0.038303

Epoch 491 done in 0.2s, final loss: 0.034227

[epoch 492] batch 0 loss 0.041417

Epoch 492 done in 0.2s, final loss: 0.032963

[epoch 493] batch 0 loss 1.137823

Epoch 493 done in 0.2s, final loss: 0.061362

[epoch 494] batch 0 loss 0.111152

Epoch 494 done in 0.2s, final loss: 0.056832

[epoch 495] batch 0 loss 0.116518

Epoch 495 done in 0.2s, final loss: 0.031283

[epoch 496] batch 0 loss 0.026797

Epoch 496 done in 0.2s, final loss: 0.034922

[epoch 497] batch 0 loss 0.058770

Epoch 497 done in 0.2s, final loss: 0.038168

[epoch 498] batch 0 loss 0.056242

Epoch 498 done in 0.2s, final loss: 0.027248

[epoch 499] batch 0 loss 0.030279

Epoch 499 done in 0.2s, final loss: 0.042184

[epoch 500] batch 0 loss 0.023222

Epoch 500 done in 0.2s, final loss: 0.063045

🎉 Class条件训练完成! 模型和样本已保存到: ./output\_0