```
import torch mas an optimization of the control of 
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您已订同"Colab Pro"。了解详情
可用: 95.51个计算单元
使用率: 大约每分对3个
您有1个有效会话。
管理会话
# Stop 2: Import Libraries and Define Data Transformations
device = torch_device("cuda" if torch_cuda.ix_svailable() else "cpu")
* Step 4: Load WRIST Dataset for Standard Training maint_transform = transform.Compose([ transform.Softmar(), transform.Sormalize(0.5.), (0.5.))
])
       mist_dataset = terchvicion_datasets_WIST(roots'./data', trais-True, deveload-True, transform-mist_transform)
test_dataset_mist = terchvicion_datasets_WIST(roots'./data', trais-False, deveload-True, transform-mist_transform)
       train_loader_mnist = DataLoader(mnist_dataset, batch_size=256, shaffle=True)
test_loader_mnist = DataLoader(test_dataset_mnist, batch_size=256, shaffle=Talze)
| Non-line | Description | Confidentium (Anne, mint. Intel., mint.) | Anne | An
                                                    Grigas eres (Da. GENERAL MENT, AMM) centrales eres seus de la California de la Mandal 
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                                     def __len__(self):
    return len(self.img_labels)
Terror institution (Laboration)

of _astitution_(Laboration_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_color_
* MIST 製養集終行
amontation_file = "/content/whist_detwort/amontations.cm"
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maint_transform - transform_Compose([
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transform_Compose

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    加收益性的

* Sosp 5: Define Model, Loss, and Optimizer for Standard Training
model_mmist = ComeNot30, to(device)
criterion = m.Cromcharceploses O
optimizer_mmist = optim.SED[model_mmist.parameters(), Ir=0.01, momentum=0.50
optimier.goziar = optio-Silonic, instructaryonarect(), treictit, assember(8)

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for texts, described in the control optimization of the control optimization optimization of the control optimization op
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       train_model(model_mnist, train_loader_mnist, criterion, optimizer_mnist, epoche=25)
evaluate_model(model_mnist, text_loader_mnist)
weakers, mode I dender, maint, ex men, fonder, maint, grant Papeal, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 197
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from fvore, m. isport FlopCountBallysis
import succh
* 假设 Comfet3 和 Comfet7 已定义
# Step 1: 定义模型
model_commet3 = ConvNet3().to(device)
model_commet7 = ConvNet7().to(device)
**Sup 2: 计算程序的 FLES**
logs_trans ** torck-mask(t, t, 28, 20; to(derto) ** 输入股影, 报收 MINT 成 MINT 网络大今为 tolkel's logs_trans ** torck-mask(t, t, 28, 20; to(derto) ** 输入股影, 报收 MINT 成 MINT 网络大今为 tolkel's logs_conter_consect-1. logs_transcr)
print(f'Om/ded FLES**: [Vip_conter_connect.total() **)
flop_counter_convnet7 = FlopCountAnalyxix(model_convnet7, input_tensor)
print(f*ConvNet7 FLOPx: [flop_counter_convnet7.total())*)
import torch un.functional as F import torch.un.functional as F import torch.uptin as optim from torch.uptin as optim from torch.uptin as optim from torch.uptin.pdoc as plt
# Soop 1: 从真实教授中的始终意思图像
def initialize from real data(data_loader, num_classes, num_images_per_class):
从真实教授集中随机选择每个类别的简像来初始化原馆图像。
ALTERROPORTAL PARTICLA CONTROL CONTROL
rect rollings, r
      # Sosy 2: 使用 Attention Matching 进行数据思始
def distill_with_attention_matching(mode), datm_loader, distilled_images, distilled_labels, optimizer_images, T-H0):
                              基子 Attention Matching 进行数据原馆。
                  多数。

model: terch an Rodals — 在 MEEST 電影電上用板材的模型。

deat_indext: Destinator — MEEST 電影型 Destinator。

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                        In the "BERGERSCHEEN,"

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* 混片瓷瓷商物
T = 10
distill_with_attention_matching(model_mbies, train_loader_mbies, distilled_images, distilled_labels, optimizer_images, T-f)
开始信助 II 帧写成<u>生成</u>代码。

    Stop 2: 在原理製造及上面資訊機器
    df Trais, or, fertilled, databookt, dirtilled, images, distilled, labels, speck=26, 1r=6.00:
    dirtilled, databookt, dirtilled, images, distilled, labels, speck=26, 1r=6.00:
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import matplotlib.pyplot ax plt

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visualize_distilled_images_distilled_images_per_classe=2, nom_images_per_class=mm_images_per_class

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Guillifett, tenning methic plant plant, unit, balor plant, distilled_improproxim, distilled_bleis_passim, optimize_impro_passim, T-f_passim)

    在高端散展免土量新期執稅
    andd_abitt_generium = Confert(), to (derico)
    重新折動化模型、清保从人开始
    train_ac_distilled_data(abita(abita_data(abita_data), adistilled_laba(abita_data(abita_data), adistilled_laba(abita_data(abita_data), adistilled_laba(abita_data(abita_data), adistilled_laba(abita_data(abita_data), adistilled_laba(abita_data), adistilled_laba(abita_da
* 定文 MIST 削減能的 DataGooder (加速调整在食水削试像上呼收)
test_dataset_phict = MISTDataset(montation_cfile=montation_cfile, img_dir=ing_dir, transform=shirt_transform)
test_loader_phict = DataGooder(text_dataset_phict, batch_dir=25, shuffle=241ee)
 * 使用真实的式能进行评估
ovaluate_model(model_mhist_gamesiam, test_leader_mhist)
              ACCEPTED FOR THE COMMODITY IN
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| Section | Sect
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for special is respectively as a few of the consistent of the consis
                                                                                       print(f*Epoch | (epoch*1)//epochs), Loss: (running_loss/les(distilled_loader))*)
* 物能化 Labet 教授并训练
model_labet = Labet().to(derics)
train_om_distilled_data_labet(model_labet, distilled_images, distilled_labels, specks=20, lr=0.00)
# 在我來得仗能上评估 LaNet 模型
evaluate_model(model_laNet, text_loader_mhist)
```

Epoch 13/20, Loss: 2.29189844134897 Epoch 14/20, Loss: 2.25829717080894 Epoch 16/20, Loss: 2.9487990802774 Epoch 16/20, Loss: 2.29122931343537 Epoch 16/20, Loss: 2.2717895499997 Epoch 16/20, Loss: 2.2717895499997 Epoch 26/20, Loss: 2.271789549999 Epoch 26/20, Loss: 2.271789549999 Epoch 26/20, Loss: 2.271789549999

更改运行时关型