

--- title: 表文融合模型 author: 程军 吉小浩 date: 2024-6-25 format: docx: toc: true toc-title: 目录 toc-expand: 2 number-sections: true jupyter: python3 ---

本项目旨在通过深度学习技术探索关键审计事项的识别与分析。我们采用了一种创新的方法，将KAM文本信息转化为张量，并利用深度学习模型进行特征提取和模式识别。

```
In [3]: ! python --version
! pip3.12 list | findstr "pandas torch"
```

```
Python 3.12.3
pandas                2.2.2
torch                 2.3.1+cu121
torchaudio            2.3.1+cu121
torchtext             0.18.0
torchvision           0.18.1+cu121
```

```
In [4]: from IPython.core.interactiveshell import InteractiveShell

InteractiveShell.ast_node_interactivity = "all"
```

```
In [5]: import torch
import torch.nn as nn
import torch.nn.functional as F
from transformers import BertModel, BertTokenizer
import evaluate
import pandas as pd
```

对接数据

初步数据

这里我们直接生成三个数据分别是X,y,text。在从CSMAR加工来的数据，可以分拆成这三个即可复用后面的代码。

这个方案主要是演示方便。

或者从CSMAR加工来的数据，得到由X, y, text组成的pandas的数据框，将数据框直接传给数据整理函数进行处理，同样可以。此时对数据整理函数作调整即可。

```
In [6]: from sklearn.datasets import make_regression

X, y = make_regression(n_samples=640, n_features=10, noise=30, random_state=42)
```

```
In [7]: fin_audit=pd.read_excel("rawdata/FIN_AuditDetail.xlsx")
fin_audit=fin_audit = fin_audit.drop(fin_audit.index[0:2]).reset_index(drop=True)

c:\Program Files\Python312\Lib\site-packages\openpyxl\styles\stylesheet.py:226: UserWarning: Workbook contains no default style, apply openpyxl's default
warn("Workbook contains no default style, apply openpyxl's default")
```

```
In [8]: fin_audit['year']=fin_audit["Accper"].str.slice(0,4)
fin_audit['Description']=fin_audit['Classification']+" "+ fin_audit['Description']
```

```
fin_audit['Method']=fin_audit['Classification']+" "+ fin_audit['Method']
fin_audit = fin_audit.loc[:, ['Stkcd', 'year', 'ItemNo', "Description", "Method"]
```

```
In [9]: # fin_audit.groupby(['Stkcd', 'year'])['ItemNo'].transform('max').value_counts()
max_item_no = fin_audit.groupby(['Stkcd', 'year'])['ItemNo'].max()
frequency_counts = max_item_no.value_counts()
pd.DataFrame({
    'ItemNo': frequency_counts.index,
    'FrequencyCount': frequency_counts.values,
    'Frequency': (frequency_counts/frequency_counts.sum()).values,
    'CumulativeFrequencies':(frequency_counts/frequency_counts.sum()).cumsum().v
})
```

```
Out[9]:
```

	ItemNo	FrequencyCount	Frequency	CumulativeFrequencies
0	2	18334	0.649198	0.649198
1	1	5262	0.186325	0.835523
2	3	4219	0.149393	0.984916
3	4	386	0.013668	0.998584
4	5	35	0.001239	0.999823
5	6	5	0.000177	1.000000

基于上面的结果，我们可以直接保留事项为1-3的信息。

```
In [10]: fin_audit['ItemNo'].dtype
fin_audit['ItemNo'] = fin_audit['ItemNo'].astype('UInt8')
fin_audit = fin_audit[fin_audit["ItemNo"] <= 3]
```

```
Out[10]: dtype('O')
```

```
In [11]: fin_audit_wide=fin_audit.pivot_table(index=['Stkcd', 'year'], columns='ItemNo',
fin_audit_wide.columns = [col[0]+"_"+str(col[1]) for col in fin_audit_wide.columns]
fin_audit_wide=fin_audit_wide.reset_index()

# 填补缺失值
fin_audit_wide=fin_audit_wide.fillna("")

fin_audit_wide
```

Out[11]:

	Stkcd	year	Description_1	Description_2	Description_3	Method_1	Metl
0	000002	2016	存货的可变现净值的评估 2016年12月31日, 贵公司及其子公司(以下合称“贵集团”)已完工...	土地增值税的计提 贵集团应缴纳的主要税项之一为土地增值税。\\n贵集团销售开发的房地产需要...	房地产开发项目的收入确认 房地产开发项目的收入占贵集团2016年度营业收入总额的97%。\\r...	存货的可变现净值的评估 与评价 存货的可变现净值相关的审计程序中包括以下程序: \\n1、评价...	土地的计评价: 值税相关程序: 以下\\r\\r价管
1	000002	2017	存货的可变现净值的评估 2017年12月31日, 贵公司及其子公司(以下合称“贵集团”)已完工...	土地增值税的计提 贵集团应缴纳的主要税项之一为土地增值税。\\n贵集团销售开发的房地产需要...	房地产开发项目的收入确认 房地产开发项目的收入占贵集团2017年度营业收入总额的96%。\\r...	存货的可变现净值的评估 与评价 存货的可变现净值相关的审计程序中包括以下程序: \\n1、评价...	土地的计评价: 值税相关程序: 以下\\r\\r价管
2	000002	2018	存货的可变现净值的评估 2018年12月31日, 贵公司及其子公司(以下合称“贵集团”)已完工...	土地增值税的计提 贵集团应缴纳的主要税项之一为土地增值税。\\n贵集团销售开发的房地产需要...	房地产开发项目的收入确认 销售房地产开发项目产生的收入占贵集团2018年度营业收入总额的96... \\r...	存货的可变现净值的评估 与评价 存货的可变现净值相关的审计程序中包括以下程序: \\n1、评价...	土地的计评价: 值税相关程序: 以下\\r\\r价管
3	000002	2019	存货的可变现净值的评估 2019年12月31日, 贵公司及其子公司(以下合称“贵集团”)已完工...	土地增值税的计提 贵集团应缴纳的主要税项之一为土地增值税。\\n贵集团销售开发的房地产需要...	房地产开发项目的收入确认 销售房地产开发项目产生的收入占贵集团2019年度营业收入总额的92... \\r...	存货的可变现净值的评估 与评价 存货的可变现净值相关的审计程序中包括以下程序: \\n1、评价...	土地的计评价: 值税相关程序: 以下\\r\\r价管
4	000002	2020	存货的可变现净值的评估 2020年12月31日, 贵公司及其子公司(以下合称“贵集团”)已完工...	土地增值税的计提 贵集团应缴纳的主要税项之一为土地增值税。\\n贵集团销售开发的房地产需要...	房地产开发项目的收入确认 销售房地产开发项目产生的收入占贵集团2020年度营业收入总额的91... \\r...	存货的可变现净值的评估 与评价 存货的可变现净值相关的审计程序中包括以下程序: \\n1、评价...	土地的计评价: 值税相关程序: 以下\\r\\r价管
...
28236	873703	2023	收入确认 广厦环能公司的营业收入主要来自于高效换热器的研发、设计、生产、销	应收账款减值 截至2023年12月31日, 广厦环能公司应收账款账面余额		收入确认 针对收入确认, 我们实施的审计程序主要包括:	应收值与收值, 实施的程序:

Stkcd	year	Description_1	Description_2	Description_3	Method_1	Metl
		售及服务。 2023...	为人民币 194,109...		\r\n(1)了 解与收入确 认相关的关 键内...	\r\n 解与/款
28237	873706	2023	收入确认 报告 期内, 铁拓机 械公司营业收 入为41,222.90 万元, 铁拓机 械公司向客户 提供的主...		收入确认 报告期内, 我们执行的 审计程序主 要包括: \r\n (1) 了解和测试 管理层与收 入确认相 关...	
28238	873726	2023	应收账款的可 收回性 2023年 12月31日, 卓 兆点胶合并财 务报表的应收 账款账面余额 为10,5...	收入确认 2023 年度, 卓兆点 胶合并财务报 表确认营业收 入为26,257.08 万元。收入是 卓兆...	应收账款的 可收回性 我们实施的 主要审计程 序包括: \r\n1、了 解、评价并 测试管理层 确定应收 账...	收、 我们: 主要: 序: \r\nr 解、i 测试: 收入: 关
28239	873806	2023	主营业务收入 确认 星宇公司 主要从事的业 务为智慧交通 系统集成、智 慧交通技术服 务、商品销售 及其他...	应收账款坏账 准备的计提 截 至2023年12月 31日, 云星宇 公司应收账款 余额为 149,000....	主营业务收 入确认 我 们对主营业 务收入确认 主要执行了 以下程序: \r\n (1) 了解、评价 了云星宇...	应收账 账准: 提: 应收账 账准: 主要: 以下: \r\nr 了解
28240	873833	2023	收入确认 美心 翼申公司的营 业收入主要来 自于压缩机曲 轴、通机曲 轴、摩托车曲 轴及配件的销 售。20...	应收账款减值 截至2023年12 月31日, 美心 翼申公司应收 账款账面余额 为人民币 99,323,...	收入确认 针对收入确 认, 我们实 施的审计程 序主要包 括: \r\n(1)了 解与收入确 认相关的关 键内...	应收账 值: 收: 值, 主 施的: 序: \r\n 解与/款

28241 rows × 8 columns

```
In [12]: string_columns = ['Description_1', 'Description_2', 'Description_3',
                             'Method_1', 'Method_2', 'Method_3']
for col in string_columns:
    fin_audit_wide[col + '_length'] = fin_audit_wide[col].astype(str).apply(len)
fin_audit_wide[[col + '_length' for col in string_columns]].describe()
fin_audit_wide[[col + '_length' for col in string_columns]].quantile(0.90)
fin_audit_wide[[col + '_length' for col in string_columns]].quantile(0.95)
```

Out[12]:

	Description_1_length	Description_2_length	Description_3_length	Method_1_
count	28241.000000	28241.000000	28241.000000	28241.
mean	225.847137	191.037534	38.389611	380.
std	116.943709	132.078689	97.177803	118.
min	20.000000	0.000000	0.000000	0.
25%	147.000000	119.000000	0.000000	305.
50%	200.000000	190.000000	0.000000	366.
75%	282.000000	272.000000	0.000000	438.
max	6807.000000	2259.000000	1795.000000	2661.

Out[12]:

Description_1_length	368.0
Description_2_length	360.0
Description_3_length	189.0
Method_1_length	516.0
Method_2_length	486.0
Method_3_length	290.0

Name: 0.9, dtype: float64

Out[12]:

Description_1_length	422.0
Description_2_length	399.0
Description_3_length	273.0
Method_1_length	578.0
Method_2_length	530.0
Method_3_length	375.0

Name: 0.95, dtype: float64

In [13]:

```
# 这里直接截取640, 为快速验证代码
# 实际做的时候要考虑y, X, text的逻辑
text=fin_audit_wide.loc[:,string_columns].iloc[0:640,:]
```

In [14]:

```
text.iloc[0,0]
text.iloc[1,1]
text.iloc[0,:]
text.iloc[:,0]

# Series
type(text.iloc[0,:])
text.iloc[0,:]['Description_3']
text.iloc[0,:].iloc[0]
```

Out[14]: '存货的可变现净值的评估 2016年12月31日, 贵公司及其子公司(以下合称“贵集团”)已完工开发产品、在建开发产品及拟开发产品(以下统称“存货”)的账面价值合计金额重大。该等存货按照成本与可变现净值孰低计量。\\r\\n管理层确定资产负债表日每个存货项目的可变现净值。\\r\\n在确定存货可变现净值过程中, 管理层需对每个拟开发产品和在建开发产品达到完工状态时将要发生的建造成本作出最新估计, 并估算每个存货项目的预期未来净售价(参考附近地段房地产项目的最近交易价格)和未来销售费用以及相关销售税金等, 该过程涉及重大的管理层判断和估计。\\r\\n由于存货对贵集团资产的重要性, 且估计存货项目达到完工状态时将要发生的建造成本和未来净售价存在固有风险, 特别是考虑到当前的经济环境在各个城市推出的各种应对房地产市场的措施, 我们将对贵集团存货的可变现净值的评估识别为关键审计事项。'

Out[14]: '土地增值税的计提 贵集团应缴纳的主要税项之一为土地增值税。\\n\\n贵集团销售开发的房地产需要就土地增值额按照超率累进税率30%-60%缴纳土地增值税。在每个财务报告期末，管理层需要对土地增值税的计提金额进行估算，在作出估算的判断时，主要考虑的要素包括相关税务法律法规的规定和解释，预计的销售房地产取得的收入减去预计可扣除的土地成本、房地产开发成本、利息费用、开发费用等。贵集团在土地增值税汇算清缴时，实际应付税金可能与贵集团预估的金额存在差异。\\n\\n由于土地增值税的计提对合并财务报表的重要性，且管理层作出估计时的判断包括对相关税务法律法规和实务做法的理解等考虑要素，因此，我们将贵集团土地增值税的计提识别为关键审计事项。'

Out[14]: Description_1 存货的可变现净值的评估 2016年12月31日，贵公司及其子公司(以下合称“贵集团”)已完工...
Description_2 土地增值税的计提 贵集团应缴纳的主要税项之一为土地增值税。\\n\\n贵集团销售开发的房地产需要...
Description_3 房地产开发项目的收入确认 房地产开发项目的收入占贵集团2016年度营业收入总额的97%。\\r...
Method_1 存货的可变现净值的评估 与评价存货的可变现净值相关的审计程序中包括以下程序：\\r\\n1、评价...
Method_2 土地增值税的计提 与评价土地增值税的计提相关的审计程序中包括以下程序：\\r\\n1、评价管理层...
Method_3 房地产开发项目的收入确认 与房地产开发项目的收入确认的评价相关的审计程序中包括以下程序：\\r...
Name: 0, dtype: object

Out[14]: 0 存货的可变现净值的评估 2016年12月31日，贵公司及其子公司(以下合称“贵集团”)已完工...
1 存货的可变现净值的评估 2017年12月31日，贵公司及其子公司(以下合称“贵集团”)已完工...
2 存货的可变现净值的评估 2018年12月31日，贵公司及其子公司(以下合称“贵集团”)已完工...
3 存货的可变现净值的评估 2019年12月31日，贵公司及其子公司(以下合称“贵集团”)已完工...
4 存货的可变现净值的评估 2020年12月31日，贵公司及其子公司(以下合称“贵集团”)已完工...
...
635 收入确认 贵公司主要从事医保基金智能管理、医疗质量安全、药械监管相关的系统研发、销售和服务。...
636 收入确认 贵公司主要从事医保基金智能管理、医疗质量安全、药械监管相关的系统研发、销售和服务。...
637 收入确认 贵公司主要从事数字医保、数字医疗、数字医院相关的系统研发、销售和服务。\\n\\n贵公...
638 收入确认 国新健康公司主要从事数字医保、数字医疗、数字医药相关的系统研发、销售和服务，本期营...
639 营业收入确认 南华生物公司2017年度营业收入6,739.30万元，主要为产品销售收入、工程...
Name: Description_1, Length: 640, dtype: object

Out[14]: pandas.core.series.Series

Out[14]: '房地产开发项目的收入确认 房地产开发项目的收入占贵集团2016年度营业收入总额的97%。\\n\\n贵集团在以下所有条件均已满足时确认房地产开发项目的收入：\\r\\n(1)与客户签署了买卖合同；\\r\\n(2)取得了买方的首期款并且已确认余下房款的付款安排；及\\r\\n(3)房产达到了买卖合同约定的交付条件。\\r\\n由于房地产开发项目的收入对贵集团的重要性，以及单个房地产开发项目销售收入确认上的细小错误汇总起来可能对贵集团的利润产生重大影响，因此，我们将贵集团房地产开发项目的收入确认识别为关键审计事项。'

Out[14]: '存货的可变现净值的评估 2016年12月31日, 贵公司及其子公司(以下合称“贵集团”)已完工开发产品、在建开发产品及拟开发产品(以下统称“存货”)的账面价值合计金额重大。该等存货按照成本与可变现净值孰低计量。\\n\\n管理层确定资产负债表日每个存货项目的可变现净值。\\n\\n在确定存货可变现净值过程中, 管理层需对每个拟开发产品和在建开发产品达到完工状态时将要发生的建造成本作出最新估计, 并估算每个存货项目的预期未来净售价(参考附近地段房地产项目的最近交易价格)和未来销售费用以及相关销售税金等, 该过程涉及重大的管理层判断和估计。\\n\\n由于存货对贵集团资产的重要性, 且估计存货项目达到完工状态时将要发生的建造成本和未来净售价存在固有风险, 特别是考虑到当前的经济环境在各个城市推出的各种应对房地产市场的措施, 我们将对贵集团存货的可变现净值的评估识别为关键审计事项。'

编码

```
In [15]: # 导入编码工具
from transformers import BertTokenizer
tokenizer = BertTokenizer.from_pretrained('hfl/rbt3')

# 指定计算设备, 默认是GPU
import torch
device = torch.device('cuda' if torch.cuda.is_available() else "cpu")
device
```

Out[15]: device(type='cuda')

```
In [16]: # 测试一下数据
df=pd.DataFrame({
    "a":["这个是什么","", "是呀"],
    "c":[3,6,5]
})
df
tokenizer.batch_encode_plus(batch_text_or_text_pairs=df["a"].to_list(),
    truncation=True,
    padding=True,
    max_length=10,
    return_tensors='pt')

del df
```

Out[16]:

	a	c
0	这个是什么	3
1		6
2	是呀	5

Out[16]: {'input_ids': tensor([[101, 6821, 702, 3221, 784, 720, 102],
[101, 102, 0, 0, 0, 0, 0],
[101, 3221, 1435, 102, 0, 0, 0]]), 'token_type_ids': tensor
([[0, 0, 0, 0, 0, 0, 0],
[0, 0, 0, 0, 0, 0, 0],
[0, 0, 0, 0, 0, 0, 0]]), 'attention_mask': tensor([[1, 1, 1, 1, 1, 1, 1],
[1, 1, 0, 0, 0, 0, 0],
[1, 1, 1, 1, 0, 0, 0]])}

```
In [17]: torch.randn(4, 3)
torch.randn(4, 2)
```

```
torch.cat((torch.randn(4, 3), torch.randn(4, 2)), dim=1)
```

```
Out[17]: tensor([[ 0.6665,  2.6763,  1.0676],
                 [-0.3586, -0.7925, -0.3186],
                 [ 0.3105, -1.7115, -0.0251],
                 [-0.8367, -0.2277,  0.4185]])
```

```
Out[17]: tensor([[ -0.7470, -0.6260],
                 [ 1.2885,  0.5827],
                 [-1.0552, -0.9297],
                 [-1.0190, -0.6990]])
```

```
Out[17]: tensor([[ -1.5822,  0.4336,  0.3067, -0.4456, -1.6250],
                 [ 1.3530, -1.6715, -0.9630,  0.7355, -0.1931],
                 [ 2.1584, -0.2220,  0.8866, -2.2147,  0.4675],
                 [-0.0254, -0.3842,  0.8042,  0.6267,  0.0578]])
```

```
In [18]: # 模拟演示text处理
```

```
# 将新数据添加到旧数据中，横向连接
```

```
# all_features = torch.cat((features, new_features), dim=1)
```

```
# new_dataset = TensorDataset(all_features, labels)
```

```
torch.cat((torch.randn(4, 3), torch.randn(4, 2)), dim=1) # 两组特征放入元组
```

```
torch.cat(tuple([torch.randn(4, 3), torch.randn(4, 2)]), dim=1) # 两组特征先进列表
```

```
# torch.cat((torch.randn(4, 3), (torch.randn(4, 3), torch.randn(4, 2))), dim=1) #
```

```
for i in torch.utils.data.TensorDataset(torch.tensor(X), torch.tensor(y)):
```

```
    print(i)
```

```
    print(type(i))
```

```
    break
```

```
text_code = tokenizer.batch_encode_plus(batch_text_or_text_pairs=text["Method_3"]
```

```
truncation=True,
```

```
padding=True,
```

```
max_length=512,
```

```
return_tensors='pt')
```

```
text_code.keys()
```

```
# dict_keys(['input_ids', 'token_type_ids', 'attention_mask'])
```

```
text_code['input_ids'].shape
```

```
text_code['token_type_ids'].shape
```

```
text_code['attention_mask'].shape
```

```
torch.cat(tuple(text_code.values()), dim=1).to(device).shape
```

```
del text_code
```

```
Out[18]: tensor([[ 0.4445, -0.3050, -0.4746,  0.6772,  0.6152],
                 [ 1.9697,  0.5271,  1.1316, -0.6730,  1.4543],
                 [-1.5906, -1.4680, -0.9359,  1.5194,  0.1675],
                 [-0.4846,  1.1095, -1.1338,  1.2833,  0.8664]])
```

```
Out[18]: tensor([[ 0.3756,  1.4494, -0.8987,  0.0111,  0.0662],
                 [ 0.7110,  1.0721, -1.7264, -0.2509, -2.2621],
                 [-1.7881,  1.0672, -0.0968,  2.0762,  1.0531],
                 [ 0.5921,  0.6612,  0.3143,  0.5428,  1.1082]])
(tensor([-1.2110, -0.3846, -0.0661,  1.0063,  0.0474, -0.6518, -0.8604, -1.6615,
        -0.5769,  0.6386], dtype=torch.float64), tensor(-143.7063, dtype=torch.float64))
<class 'tuple'>
```

```
Out[18]: dict_keys(['input_ids', 'token_type_ids', 'attention_mask'])
```

```
Out[18]: torch.Size([640, 512])
```



```
Out[18]: torch.Size([640, 512])
Out[18]: torch.Size([640, 512])
Out[18]: torch.Size([640, 1536])
```

正式封装数据

```
In [19]: #text2code中code一列，示例
torch.randn(3, 3)
torch.randn(3, 2)
torch.cat(tuple([torch.randn(3, 3), torch.randn(3, 2)]), dim=1)
```

```
Out[19]: tensor([[ 0.7231,  1.1927, -0.4816],
                  [ 0.9879, -1.2506, -0.2710],
                  [-0.5798,  0.7708,  0.3560]])
```

```
Out[19]: tensor([[ -1.1345,  0.0168],
                  [-0.0443, -0.2674],
                  [ 0.8340, -0.6379]])
```

```
Out[19]: tensor([[ 0.2835, -0.4035, -1.8275, -0.5602,  0.1971],
                  [-0.0202,  0.0779, -0.7745, -0.1536, -2.6290],
                  [-0.2613,  0.2795,  0.8312, -0.4028,  0.5562]])
```

```
In [20]: # 将文本六列中每一列的['input_ids', 'token_type_ids', 'attention_mask']横向合并并在
def text2code(varlist):
    code=tokenizer.batch_encode_plus(batch_text_or_text_pairs=varlist,
    truncation=True,
    padding=True,
    max_length=512,
    return_tensors='pt')
    code=torch.cat(tuple(code.values()),dim=1).to(device)
    return code

string_columns = ['Description_1', 'Description_2', 'Description_3',
                  'Method_1', 'Method_2', 'Method_3']

# 验证一下
for i in string_columns:
    text2code(text[i].to_list()).shape
```

```
Out[20]: torch.Size([640, 1536])
Out[20]: torch.Size([640, 1536])
Out[20]: torch.Size([640, 1536])
Out[20]: torch.Size([640, 1536])
Out[20]: torch.Size([640, 1536])
Out[20]: torch.Size([640, 1536])
```

```
In [21]: #函数text2code中的tokenizer.batch_encode_plus方法通常期望接收一个列表作为输入
class Dataset(torch.utils.data.Dataset):
    def __init__(self, y, X, text):
        self.y = torch.FloatTensor(y).to(device)
        self.X = torch.FloatTensor(X).to(device)
        self.Description_1 = text2code(text["Description_1"].to_list())
        self.Description_2 = text2code(text["Description_2"].to_list())
```

```

        self.Description_3 = text2code(text["Description_3"].to_list())
        self.Method_1 = text2code(text["Method_1"].to_list())
        self.Method_2 = text2code(text["Method_2"].to_list())
        self.Method_3 = text2code(text["Method_3"].to_list())

    def __len__(self):
        return len(self.y)

    def __getitem__(self, i):
        y = self.y[i]
        X = self.X[i]
        Description_1=self.Description_1[i]
        Description_2=self.Description_2[i]
        Description_3=self.Description_3[i]
        Method_1=self.Method_1[i]
        Method_2=self.Method_2[i]
        Method_3=self.Method_3[i]
        return y,X,Description_1,Description_2,Description_3,Method_1,Method_2,M

dataset = Dataset(y, X, text)

```

```

In [22]: # 看一下数据
dataset[0]
dataset[1]

```

```

Out[22]: (tensor(-143.7063, device='cuda:0'),
          tensor([-1.2110, -0.3846, -0.0661,  1.0063,  0.0474, -0.6518, -0.8604, -1.661
5,
          -0.5769,  0.6386], device='cuda:0'),
          tensor([ 101, 2100, 6573, ...,  0,  0,  0], device='cuda:0'),
          tensor([ 101, 1759, 1765, ...,  0,  0,  0], device='cuda:0'),
          tensor([ 101, 2791, 1765, ...,  0,  0,  0], device='cuda:0'),
          tensor([ 101, 2100, 6573, ...,  0,  0,  0], device='cuda:0'),
          tensor([ 101, 1759, 1765, ...,  0,  0,  0], device='cuda:0'),
          tensor([ 101, 2791, 1765, ...,  0,  0,  0], device='cuda:0'))

```

```

Out[22]: (tensor(-31.7538, device='cuda:0'),
          tensor([ 0.5008, -0.6208,  0.6381, -0.1681, -0.5427, -1.8011, -0.7878,  2.231
3,
          -0.4721,  1.7325], device='cuda:0'),
          tensor([ 101, 2100, 6573, ...,  0,  0,  0], device='cuda:0'),
          tensor([ 101, 1759, 1765, ...,  0,  0,  0], device='cuda:0'),
          tensor([ 101, 2791, 1765, ...,  0,  0,  0], device='cuda:0'),
          tensor([ 101, 2100, 6573, ...,  0,  0,  0], device='cuda:0'),
          tensor([ 101, 1759, 1765, ...,  0,  0,  0], device='cuda:0'),
          tensor([ 101, 2791, 1765, ...,  0,  0,  0], device='cuda:0'))

```

```

In [23]: len(dataset[0])
for i in range(8):
    print(dataset[0][i].shape)
#y是标量，所以没有具体size

```

```

Out[23]: 8

```

```
torch.Size([])
torch.Size([10])
torch.Size([1536])
torch.Size([1536])
torch.Size([1536])
torch.Size([1536])
torch.Size([1536])
torch.Size([1536])
```

```
In [24]: # 数据加载器
loader = torch.utils.data.DataLoader(
    dataset=dataset,
    batch_size=16,
    shuffle=True,
    drop_last=False,
)
# 640个样本，每批次处理量为16个，则共有40个批次
len(loader)

for i in loader:
    print(i)
    break
```

Out[24]: 40

```

[tensor([ 110.2089, -188.9447,  60.3003,  97.4888,  37.8873,  41.5269,
        -156.1774, -18.7333, 207.7273, -153.3728, -7.1900, -62.2618,
        -41.5149, 108.3117, 163.7487, -675.4645], device='cuda:0'), tensor([[
0.1825,  0.4876, -0.0449,  1.1819,  1.1717, -0.6701, -1.1762,  0.2693,
        0.4809, -0.3999],
        [-1.0244, -1.4301, -3.2413, -0.4400, -1.2478, -0.2526,  1.6324, -0.0595,
        0.1307, -0.9269],
        [-0.5260, -0.8628,  0.4920,  0.6935,  1.0972, -2.1533, -0.4788,  0.4210,
        -0.3920,  0.6988],
        [ 1.2785,  0.7463,  0.0287,  0.6455,  0.0464,  0.1911, -1.3599, -0.3933,
        2.1633,  0.3687],
        [ 0.3198,  0.5525, -0.6014,  0.2239,  0.4405, -1.5930, -0.0196, -1.3340,
        1.3641,  0.1054],
        [-0.3212,  0.3687,  1.7389,  0.3938,  0.8142,  1.8326,  0.4821, -0.6356,
        -1.9277, -0.1168],
        [ 0.3993, -0.5070, -0.1753, -0.5139,  0.5043,  0.3604,  0.2910, -1.0785,
        -1.1990,  0.1072],
        [-2.4878,  0.0525, -0.1840, -0.7560,  0.9694, -0.2218, -0.6314, -0.3636,
        0.3604,  0.2912],
        [ 0.3486, -0.3849, -0.8793,  0.5409,  0.8469, -0.1252, -0.1152,  1.0719,
        0.8762,  0.4873],
        [-2.4981, -1.9496, -1.0584, -0.3508,  0.6089,  0.2005,  0.2621, -0.0611,
        -2.2183, -0.6683],
        [ 0.5536, -0.8517,  0.8579, -0.7590,  1.0821, -0.2573, -0.1290, -0.3127,
        -0.9787, -0.2087],
        [ 0.6197, -0.7588,  0.5879,  1.3509,  0.0930, -1.9113, -0.4685, -1.1863,
        -0.6537,  0.8688],
        [-0.0988,  0.1262,  0.1955, -0.2225, -2.5322,  0.4360,  0.6821,  0.5698,
        2.0469,  0.4914],
        [ 0.9716,  0.6861, -0.2490,  1.0584,  1.3686,  0.6454, -0.9649,  1.7553,
        -1.7587,  2.0607],
        [ 1.4438,  0.4568, -1.2515,  0.5698,  1.1173, -0.0822,  0.3427,  0.3521,
        0.4477, -0.2412],
        [ 0.8378, -1.2203,  0.3864, -2.0173, -2.9143, -0.6792,  0.5232, -0.5393,
        -2.8323, -1.5449]], device='cuda:0'), tensor([[ 101, 2791, 1765, ...,
0,      0,      0],
        [ 101, 2418, 3119, ...,  0,      0,      0],
        [ 101, 3119, 1057, ...,  0,      0,      0],
        ...,
        [ 101, 1555, 6289, ...,  0,      0,      0],
        [ 101, 3714, 1265, ...,  0,      0,      0],
        [ 101, 1762, 2456, ...,  0,      0,      0]], device='cuda:0'), tensor([[
101, 2791, 1765, ...,  0,      0,      0],
        [ 101, 1762, 2456, ...,  0,      0,      0],
        [ 101, 1068, 5468, ...,  0,      0,      0],
        ...,
        [ 101, 2418, 3119, ...,  0,      0,      0],
        [ 101, 2100, 6573, ...,  0,      0,      0],
        [ 101, 2418, 802, ...,  0,      0,      0]], device='cuda:0'), tensor([[
101, 102,  0, ...,  0,      0,      0],
        [ 101, 102,  0, ...,  0,      0,      0],
        [ 101, 7028, 1920, ...,  0,      0,      0],
        ...,
        [ 101, 102,  0, ...,  0,      0,      0],
        [ 101, 102,  0, ...,  0,      0,      0],
        [ 101, 102,  0, ...,  0,      0,      0]], device='cuda:0'), tensor([[
101, 2791, 1765, ...,  0,      0,      0],
        [ 101, 2418, 3119, ...,  0,      0,      0],
        [ 101, 3119, 1057, ...,  0,      0,      0],
        ...,

```

```

[ 101, 1555, 6289, ..., 0, 0, 0],
[ 101, 3714, 1265, ..., 0, 0, 0],
[ 101, 1762, 2456, ..., 0, 0, 0]], device='cuda:0'), tensor([[
101, 2791, 1765, ..., 0, 0, 0],
[ 101, 1762, 2456, ..., 0, 0, 0],
[ 101, 1068, 5468, ..., 0, 0, 0],
...,
[ 101, 2418, 3119, ..., 0, 0, 0],
[ 101, 2100, 6573, ..., 0, 0, 0],
[ 101, 2418, 802, ..., 0, 0, 0]], device='cuda:0'), tensor([[
101, 102, 0, ..., 0, 0, 0],
[ 101, 102, 0, ..., 0, 0, 0],
[ 101, 7028, 1920, ..., 0, 0, 0],
...,
[ 101, 102, 0, ..., 0, 0, 0],
[ 101, 102, 0, ..., 0, 0, 0],
[ 101, 102, 0, ..., 0, 0, 0]], device='cuda:0'))]
```

定义模型

加载预训练模型

```

In [25]: from transformers import BertModel

# 加载预训练模型
pretrained = BertModel.from_pretrained('hf1/rbt3', cache_dir=r"C:/Users/我真是帅/")
# 移动到指定设备
pretrained.to(device)

# 不训练预训练模型，不需要计算梯度
for param in pretrained.parameters():
    param.requires_grad_(False)
```

```

Out[25]: BertModel(
  (embeddings): BertEmbeddings(
    (word_embeddings): Embedding(21128, 768, padding_idx=0)
    (position_embeddings): Embedding(512, 768)
    (token_type_embeddings): Embedding(2, 768)
    (LayerNorm): LayerNorm((768,), eps=1e-12, elementwise_affine=True)
    (dropout): Dropout(p=0.1, inplace=False)
  )
  (encoder): BertEncoder(
    (layer): ModuleList(
      (0-2): 3 x BertLayer(
        (attention): BertAttention(
          (self): BertSdpaSelfAttention(
            (query): Linear(in_features=768, out_features=768, bias=True)
            (key): Linear(in_features=768, out_features=768, bias=True)
            (value): Linear(in_features=768, out_features=768, bias=True)
            (dropout): Dropout(p=0.1, inplace=False)
          )
          (output): BertSelfOutput(
            (dense): Linear(in_features=768, out_features=768, bias=True)
            (LayerNorm): LayerNorm((768,), eps=1e-12, elementwise_affine=True)
            (dropout): Dropout(p=0.1, inplace=False)
          )
        )
        (intermediate): BertIntermediate(
          (dense): Linear(in_features=768, out_features=3072, bias=True)
          (intermediate_act_fn): GELUActivation()
        )
        (output): BertOutput(
          (dense): Linear(in_features=3072, out_features=768, bias=True)
          (LayerNorm): LayerNorm((768,), eps=1e-12, elementwise_affine=True)
          (dropout): Dropout(p=0.1, inplace=False)
        )
      )
    )
  )
  (pooler): BertPooler(
    (dense): Linear(in_features=768, out_features=768, bias=True)
    (activation): Tanh()
  )
)

```

```

Out[25]: Parameter containing:
tensor([[ 0.0100, -0.0107, -0.0019, ...,  0.0768,  0.0080,  0.0042],
        [ 0.0029, -0.0054,  0.0085, ...,  0.0763,  0.0069,  0.0011],
        [ 0.0097, -0.0194, -0.0070, ...,  0.0948, -0.0132,  0.0069],
        ...,
        [ 0.0051, -0.0100, -0.0147, ...,  0.0768,  0.0125,  0.0177],
        [ 0.0032, -0.0148,  0.0085, ...,  0.0702,  0.0125,  0.0033],
        [ 0.0119, -0.0067, -0.0079, ...,  0.0783, -0.0126,  0.0058]],
        device='cuda:0')

```

```

Out[25]: Parameter containing:
tensor([[ 0.0137,  0.0204, -0.0108, ..., -0.1396, -0.0310, -0.0342],
        [-0.0239,  0.0140,  0.0056, ..., -0.0480, -0.0231,  0.0640],
        [-0.0288,  0.0089, -0.0009, ..., -0.0409,  0.0093,  0.0320],
        ...,
        [ 0.0261, -0.0244,  0.0120, ...,  0.0781, -0.0025,  0.0214],
        [-0.0284, -0.0346, -0.0466, ...,  0.0837, -0.0033, -0.0235],
        [ 0.0095, -0.0133, -0.0247, ..., -0.0996, -0.0336, -0.0035]],
        device='cuda:0')

```

```
Out[25]: Parameter containing:
  tensor([[ -0.0022, -0.0061, -0.0068, ...,  0.0307, -0.0034,  0.0032],
         [ 0.0061, -0.0029, -0.0048, ...,  0.0047,  0.0029, -0.0004]],
        device='cuda:0')
```

Out[25]: Parameter containing:

```
tensor([0.9136, 0.9317, 0.9869, 0.8903, 0.3096, 0.9578, 0.8462, 0.9000, 0.8081,
        0.9004, 0.9165, 0.9091, 0.5461, 0.8489, 0.9953, 0.9011, 0.9734, 1.0004,
        0.9205, 0.8428, 1.0094, 0.8997, 0.9896, 0.8450, 0.9073, 0.9578, 0.9522,
        0.9746, 1.0049, 0.8864, 0.7389, 0.9935, 1.0244, 0.8554, 0.9541, 0.9739,
        0.8919, 0.8137, 0.8804, 0.9206, 0.9078, 0.9251, 0.9820, 0.9684, 0.8829,
        0.8929, 0.9611, 0.9561, 0.8999, 0.9109, 0.9274, 1.2068, 0.9027, 0.8365,
        0.9048, 0.9180, 0.9022, 0.9639, 0.8675, 1.0386, 0.9713, 0.9109, 0.8623,
        0.8633, 0.9782, 0.8672, 1.0071, 0.8200, 0.8706, 0.8370, 0.9302, 0.8349,
        0.9652, 0.8700, 0.9897, 0.8205, 0.9168, 0.9045, 0.2917, 0.9193, 0.9722,
        0.8534, 0.9019, 0.8538, 0.8735, 1.0128, 0.9471, 0.3258, 0.9254, 0.8085,
        0.9382, 0.8689, 0.8663, 0.8500, 0.8260, 0.7978, 0.8021, 0.9941, 0.8743,
        0.8800, 0.4010, 0.9252, 0.8126, 1.0421, 0.8643, 1.0035, 0.9386, 0.9072,
        0.8991, 0.9077, 0.9911, 0.9113, 0.9099, 0.9525, 0.8430, 0.9178, 1.0099,
        0.8634, 0.9024, 0.9124, 0.9730, 0.9828, 0.8675, 0.9438, 0.9284, 0.8660,
        0.9036, 0.8713, 0.9446, 0.9351, 0.9229, 0.8956, 0.9921, 0.9116, 0.9767,
        0.9897, 0.8737, 0.8726, 0.9350, 0.8855, 0.9386, 0.9833, 0.9516, 0.8842,
        0.8508, 0.9002, 0.9130, 0.8798, 0.9179, 0.8510, 0.9450, 0.8392, 0.8437,
        0.8980, 0.8881, 0.9194, 0.9779, 0.9726, 0.9251, 0.9828, 0.9239, 0.8782,
        0.9375, 0.9663, 0.8701, 0.9615, 0.9804, 0.8867, 0.9120, 0.8514, 0.5779,
        0.9305, 0.8635, 0.8709, 0.9593, 0.9486, 0.9898, 0.9287, 0.3702, 1.0481,
        0.9299, 1.0186, 0.9300, 0.9053, 0.7428, 0.9350, 0.8366, 0.9417, 0.3407,
        0.9160, 0.8740, 0.8558, 0.6196, 0.9318, 0.8509, 0.1594, 0.3388, 0.9381,
        0.7504, 0.9081, 0.8403, 0.9075, 1.0036, 0.9670, 0.8486, 0.9698, 0.9182,
        0.9014, 0.9043, 0.3866, 0.9814, 0.9223, 0.8818, 0.9339, 0.9748, 0.8863,
        0.9516, 0.8472, 0.8847, 0.9984, 0.8481, 0.9009, 0.9463, 0.8684, 0.9532,
        0.8509, 0.9385, 0.8811, 0.8386, 1.0169, 0.9799, 0.9252, 0.9590, 0.8602,
        0.9985, 0.9995, 0.9365, 0.8798, 0.9389, 0.9238, 0.9478, 0.2893, 0.8588,
        0.2632, 0.9044, 0.8809, 0.8627, 0.9609, 0.9720, 0.9155, 0.9467, 0.9422,
        0.8616, 0.3659, 0.8836, 0.8807, 0.8806, 0.8327, 0.9438, 0.9369, 0.7189,
        0.9028, 0.9302, 0.3868, 0.8765, 0.3079, 0.8956, 0.8758, 0.8954, 0.9811,
        0.8962, 0.8169, 0.8839, 0.9175, 0.8905, 0.8526, 0.9642, 0.9098, 0.8856,
        0.9081, 0.9854, 0.9255, 0.9566, 0.9198, 0.8237, 0.8217, 0.8432, 0.9380,
        0.9032, 0.9699, 0.9377, 0.9353, 0.4863, 0.8364, 0.1312, 0.8974, 0.9413,
        0.9305, 0.9540, 0.9424, 0.9358, 0.8587, 0.9276, 0.9227, 0.8252, 0.9504,
        0.8172, 0.7758, 1.0111, 0.9321, 0.8281, 0.9017, 1.0051, 0.4460, 0.8445,
        0.3503, 0.9206, 0.8840, 0.8541, 0.9410, 1.0143, 0.9001, 0.9442, 0.9400,
        0.9750, 0.8908, 0.9549, 0.9250, 0.9827, 0.8884, 0.8874, 0.9774, 0.8911,
        1.0031, 0.8018, 0.8911, 0.9325, 0.9878, 0.9387, 0.3770, 0.9967, 0.9379,
        0.9927, 0.9935, 0.9418, 0.7968, 0.9224, 0.9864, 0.9595, 1.0019, 0.9621,
        0.8701, 0.8167, 0.8937, 0.9302, 0.9134, 0.6321, 0.9133, 0.9144, 0.9140,
        0.9761, 0.8514, 0.8872, 0.8926, 0.1400, 0.9639, 0.8714, 0.9209, 0.3391,
        0.8853, 0.8855, 0.9844, 0.9702, 0.9538, 0.8817, 0.9452, 0.9065, 1.0068,
        0.9835, 0.8997, 0.9315, 0.9342, 0.7598, 0.9787, 0.8097, 0.8169, 0.9565,
        0.9375, 0.3080, 0.8343, 0.7933, 0.8696, 0.8011, 0.9717, 0.9700, 0.3231,
        0.8308, 0.9003, 0.9030, 0.8580, 0.8913, 0.8976, 0.9207, 0.8975, 0.9442,
        0.9383, 0.8860, 0.9299, 0.9559, 0.9799, 0.9399, 0.9250, 0.4286, 0.8706,
        0.9571, 0.9250, 0.9487, 0.9378, 0.3634, 0.9238, 0.8935, 0.7382, 0.9991,
        0.8610, 0.8757, 0.8954, 0.9575, 0.8988, 0.8497, 0.9172, 0.8967, 0.9402,
        0.9392, 0.8964, 1.0098, 0.8562, 0.8854, 0.8915, 0.9031, 0.9904, 0.8833,
        0.9311, 0.9064, 0.9971, 0.9628, 0.5555, 0.9504, 0.8774, 0.8536, 0.9166,
        0.9224, 0.9509, 0.9537, 0.8526, 0.8497, 0.8494, 0.8992, 0.9239, 0.9210,
        0.8380, 0.8787, 0.9368, 0.9856, 0.2912, 0.9058, 0.8740, 0.8723, 0.8713,
        0.9207, 0.3450, 0.9594, 0.9469, 0.8653, 0.9174, 0.8067, 0.9477, 0.9085,
        0.8513, 0.8819, 0.9068, 0.8497, 0.9474, 0.8658, 0.9685, 0.7971, 0.9687,
        0.8713, 0.8435, 0.8899, 0.9882, 0.9119, 0.9084, 0.9314, 0.9001, 0.9172,
        0.9030, 0.9225, 0.8310, 0.8809, 0.9033, 0.9274, 0.8504, 0.8660, 0.9471,
        0.9218, 0.9146, 0.8906, 0.3102, 0.8180, 0.8793, 0.9130, 0.8782, 0.8761,
        0.3433, 0.8795, 0.9058, 0.9562, 0.9727, 0.8994, 0.9042, 0.8688, 0.8687,
        0.9224, 0.9343, 0.8789, 0.9546, 0.3176, 0.3472, 0.5398, 0.9309, 0.9663,
```


0.8401, 0.8896, 0.9116, 0.9550, 0.9167, 0.8255, 0.3862, 0.8438, 0.5187,
0.9243, 0.8763, 0.9360, 0.8928, 0.8668, 0.9378, 0.9309, 0.9110, 0.9136,
0.9226, 0.9411, 0.9365, 0.9488, 0.9684, 0.9280, 0.8343, 0.9437, 0.9210,
0.9228, 0.9680, 0.9254, 0.8814, 0.9974, 0.9120, 0.9296, 0.9147, 0.8995,
0.8996, 0.8857, 0.9374, 0.2796, 0.3249, 0.8508, 0.4050, 0.8928, 0.8503,
0.9291, 0.9642, 0.8688, 1.0366, 0.9715, 0.9301, 0.9433, 0.9440, 0.8699,
0.9377, 0.9916, 0.9503, 0.8628, 0.3752, 0.8554, 0.9158, 0.9587, 0.8688,
0.9683, 0.9913, 0.9421, 0.8903, 0.9318, 0.9345, 0.9041, 0.9266, 0.9407,
0.9177, 0.8864, 0.8999, 0.9692, 0.8847, 0.9653, 0.9939, 0.8413, 0.9407,
0.7669, 0.9549, 0.9192, 0.9664, 0.1178, 1.0140, 0.9459, 0.9365, 0.9644,
0.9564, 0.9259, 0.9759, 0.9043, 0.9708, 0.7356, 0.9057, 0.9487, 0.9625,
0.9401, 0.8749, 0.9695, 0.8973, 0.3330, 0.9254, 0.8849, 0.3957, 0.9944,
0.8694, 0.9272, 0.8728, 0.9398, 0.8406, 0.8360, 0.8897, 0.8972, 0.3396,
0.9094, 0.9649, 0.8740, 0.9772, 0.4295, 0.9071, 0.8865, 0.9457, 0.9339,
0.9578, 0.8954, 0.9205, 0.4235, 0.8525, 0.9320, 0.9862, 0.8857, 0.9012,
0.8433, 0.9115, 0.9050, 0.9342, 0.9065, 0.9549, 0.9052, 0.9353, 0.9663,
0.9308, 0.9820, 0.8880, 0.8402, 0.9483, 0.8847, 0.8901, 0.9489, 0.9428,
0.9582, 0.9159, 0.9865, 0.3809, 0.5328, 0.2403, 0.8725, 0.9564, 0.8542,
0.8441, 0.9114, 0.7907, 0.8907, 0.9568, 0.9164, 0.8970, 0.9593, 0.9006,
0.2716, 0.8627, 0.9555, 1.0090, 0.8788, 0.9465, 0.9054, 0.9608, 0.9189,
0.8388, 0.9463, 0.9759, 0.8467, 0.8439, 0.8356, 0.9702, 0.7760, 0.9703,
0.9915, 0.8885, 0.9731, 0.9197, 0.9038, 0.6888, 0.9765, 0.8708, 0.9674,
0.8950, 0.9797, 0.8338, 0.8591, 0.9074, 0.8114, 0.9692, 0.9058, 0.5353,
0.9716, 0.8963, 0.9410, 0.3008, 1.0060, 0.9543, 0.8993, 0.9212, 0.9470,
0.9534, 0.8703, 0.7516, 0.9100, 0.9202, 0.9316, 0.9132, 0.8779, 0.9571,
0.3663, 0.8872, 0.9148, 0.9141, 0.9307, 0.9405, 0.9288, 0.9213, 0.9972,
0.3578, 0.8802, 0.8986], device='cuda:0')

Out[25]: Parameter containing:

```
tensor([-9.1658e-02,  2.5264e-03,  3.1309e-02, -5.1259e-02, -1.0342e-01,
        -9.2290e-03, -7.0790e-02, -1.4090e-02, -1.1424e-01, -1.4142e-02,
        -6.1658e-02, -5.5150e-02, -1.1708e-01,  1.7775e-02,  1.9622e-02,
        -3.7501e-02,  4.7747e-02,  2.9578e-02,  3.4146e-02,  6.8919e-02,
        -2.4257e-03, -2.9841e-02, -1.3476e-02, -4.1262e-02, -2.5815e-02,
         1.8240e-02, -4.0188e-02, -7.9940e-02,  1.2291e-02, -1.0140e-01,
        -6.4050e-02, -1.2086e-01, -3.3751e-02,  1.9952e-02,  1.0013e-01,
        -6.7878e-02,  2.6617e-03,  6.6564e-02, -7.3903e-02, -1.5643e-02,
        -4.6732e-02, -1.7894e-03, -1.8292e-02, -1.0470e-02, -5.8907e-02,
        -5.7129e-02, -3.4166e-02,  6.2736e-02,  7.1612e-02, -1.3317e-02,
         2.0308e-02, -5.5872e-01, -6.5881e-03, -3.5048e-03, -8.1985e-02,
        -1.8648e-02, -6.5567e-02,  1.1860e-02, -3.6083e-02,  3.8699e-02,
        -3.2327e-02, -7.1866e-02, -4.6668e-02, -1.0219e-02, -2.0429e-02,
         5.3948e-02,  4.9825e-02,  4.5772e-02, -7.1959e-02,  5.9411e-02,
         6.1330e-03,  1.4070e-02, -9.1120e-02, -6.8472e-02,  2.5345e-02,
        -1.6372e-02, -7.3058e-02, -6.3860e-02, -4.5451e-02,  1.7224e-02,
         2.0354e-02, -6.0418e-02,  8.7132e-02,  6.9294e-03,  3.1496e-02,
        -2.9032e-02,  1.4447e-02, -1.6373e-01, -1.2116e-02, -1.3495e-01,
         4.5858e-03, -8.2849e-02, -9.0854e-02, -5.0637e-02, -4.8767e-02,
         4.6492e-02, -5.9359e-02, -7.4757e-02,  1.9483e-02, -1.2986e-01,
         8.0277e-03,  4.5403e-03,  7.2351e-02, -9.2900e-02, -2.1678e-02,
        -5.3072e-02, -6.7344e-03, -9.6249e-02,  5.6713e-02, -2.7824e-02,
        -9.8977e-02, -3.1130e-02, -4.3866e-02, -1.8523e-02, -7.1918e-02,
        -1.4540e-01, -8.3133e-02, -7.0078e-02, -1.0246e-01, -1.4467e-02,
         7.7788e-02, -4.6792e-02, -1.2847e-01,  1.7215e-02,  1.6756e-02,
        -6.8274e-02, -1.3368e-02, -4.8813e-02, -1.0362e-02, -1.1352e-02,
        -8.8555e-03, -9.7688e-02, -4.6012e-02, -1.1057e-01, -2.2672e-02,
        -4.5381e-02, -4.5671e-02, -4.9336e-02, -2.4167e-03, -4.7029e-02,
        -2.6172e-02, -7.2775e-02,  6.5814e-02, -4.5752e-02, -8.4979e-02,
         2.3600e-02, -1.2857e-03, -5.2379e-02,  2.3373e-02,  9.4008e-03,
        -6.7142e-02, -4.6564e-02, -4.9092e-02, -1.6851e-02,  4.4274e-02,
        -4.1437e-02,  1.1392e-02, -1.2114e-01,  2.3949e-02,  1.7976e-02,
        -5.5131e-02, -4.2546e-03, -2.0966e-02,  1.9131e-02, -3.2907e-02,
        -5.2558e-02, -5.7893e-02,  3.7041e-02, -2.5146e-02, -1.9843e-02,
        -5.5123e-02, -2.9171e-02, -1.2194e-02, -1.9580e-01, -1.4788e-02,
         3.6092e-02, -1.1082e-01, -4.6933e-02,  6.4120e-02,  7.4129e-02,
         4.0877e-02, -1.3729e-02,  9.8247e-03,  2.2190e-02,  2.9046e-02,
         6.2292e-02,  4.1481e-02, -2.7145e-02, -2.4616e-01,  7.4234e-03,
         3.7792e-02, -2.8336e-02, -1.2816e-01, -5.0730e-02, -1.8150e-02,
         4.9222e-01, -6.9985e-02,  2.8851e-02, -4.3664e-02,  1.9790e-02,
        -4.9997e-02, -5.9455e-03, -3.1439e-02, -1.0066e-01, -4.6921e-02,
         3.8146e-02, -6.2436e-02, -7.7098e-02,  3.7488e-02, -3.8873e-02,
         3.4417e-02,  3.7649e-02, -1.3595e-02, -9.3844e-03,  4.6282e-02,
         4.9007e-02, -4.9043e-02, -1.0115e-01,  9.6445e-02,  3.9702e-02,
        -3.3218e-02,  1.4067e-02,  4.8644e-02,  4.8055e-02, -6.4858e-02,
        -2.4950e-02,  4.5153e-02,  6.8591e-02,  1.1483e-02,  4.2384e-02,
        -4.2737e-03, -7.6359e-02,  1.5463e-02,  6.7935e-02,  5.0575e-02,
        -4.1021e-02,  3.7244e-02, -3.6196e-02, -2.2988e-02, -6.8457e-02,
        -5.1208e-02, -1.3706e-01, -1.0855e-01,  5.3067e-01, -6.5797e-02,
        -5.4402e-02, -9.8694e-02, -1.5108e-02, -3.2806e-02,  5.3029e-02,
         9.9361e-03, -2.0612e-02, -2.7253e-02, -1.0457e-01, -1.7442e-02,
         7.9482e-03, -9.6760e-02, -1.2435e-01,  6.5492e-03, -1.2252e-02,
        -2.8588e-01, -5.2432e-02, -5.1786e-02, -5.3652e-02, -5.4397e-02,
         2.1229e-01,  6.9983e-03, -1.6688e-03,  1.9680e-03, -1.7357e-02,
         3.6635e-02, -1.9407e-01, -5.1702e-02,  1.1327e-02,  5.5290e-02,
        -4.9180e-02, -8.9554e-02, -5.6634e-02,  1.0162e-02,  7.2388e-02,
         4.9300e-02, -3.0450e-02,  5.2589e-03,  2.0351e-02, -1.4456e-02,
        -3.8330e-03, -3.3803e-02, -1.6264e-02,  3.2239e-02, -7.0715e-02,
        -9.9422e-02, -3.7615e-02,  1.0955e-01,  4.9462e-02, -6.1367e-01,
```

-4.2910e-02, -4.9716e-02, 2.4252e-02, 2.4345e-02, -2.1212e-02,
-9.8727e-02, -9.6650e-03, -7.0815e-02, -7.5690e-02, -4.6364e-02,
1.2736e-03, -7.4757e-02, -1.2192e-01, 6.5362e-02, -8.0969e-02,
3.7251e-02, 8.5869e-03, -4.1768e-02, 1.0376e-01, 5.8394e-02,
-9.2629e-03, -1.1059e-01, 2.6149e-02, 1.2919e-03, -1.6918e-02,
-1.2896e-02, 5.5110e-02, 3.9889e-02, -1.2938e-02, 7.7092e-03,
-5.6588e-02, -1.7586e-03, -7.4365e-02, -9.8780e-02, -1.0887e-02,
4.1128e-02, -1.3275e-03, -1.2202e-02, -8.0883e-02, -1.5666e-02,
-3.9834e-02, -3.6908e-03, -1.9152e-02, -6.6602e-03, -1.7161e-01,
-1.5094e-04, 2.1016e-02, -9.7489e-02, -7.4096e-02, -2.8018e-02,
-6.0234e-02, 3.4093e-02, -2.5801e-02, 7.6574e-02, 6.6076e-04,
1.0237e-01, -6.1752e-02, 2.0069e-02, -5.1929e-03, -2.7227e-02,
-3.3095e-02, 6.3283e-02, -1.0590e-02, 4.9892e-02, -5.8783e-02,
-8.2208e-02, -9.9434e-02, -1.7711e-02, -7.5466e-03, 8.0812e-01,
-1.1157e-02, -8.8057e-02, 3.3727e-02, -2.2578e-01, -7.5274e-02,
-7.0729e-02, -5.7771e-02, 2.7252e-02, -6.8714e-02, -5.3422e-02,
6.8185e-02, -1.9259e-02, -1.3870e-02, -5.7975e-02, -5.3103e-02,
9.9295e-02, -4.5523e-02, 7.7042e-03, -1.6711e-02, -1.7100e-01,
6.3328e-02, -3.0448e-02, 2.2743e-02, 4.4471e-02, 4.3975e-02,
-6.7155e-02, -3.8430e-02, -8.1252e-02, 8.7999e-03, 3.7739e-02,
1.2092e-02, -3.1753e-03, 3.6971e-02, -9.0256e-02, -3.2441e-02,
-3.1815e-02, -3.2345e-02, -8.3485e-02, 2.4493e-02, -5.8869e-02,
-4.0325e-02, -8.5576e-03, -6.6779e-02, 2.1347e-02, -5.1063e-02,
1.1335e-01, 4.8856e-03, -3.3946e-01, -4.9562e-02, -2.3349e-02,
-8.0651e-02, -5.3658e-02, -2.5068e-02, -1.3279e-03, 7.4505e-03,
-1.3345e-01, -1.2718e-01, 6.9823e-04, -3.8242e-02, 4.8956e-03,
-1.1670e-02, 3.1149e-02, -3.3520e-02, 2.8907e-02, -2.8384e-02,
1.9675e-02, 5.8484e-02, 3.9634e-02, -2.9304e-02, -6.8125e-02,
-2.7423e-02, -9.2511e-02, -5.4518e-02, -7.3125e-02, 2.6919e-02,
5.3505e-02, -5.8960e-02, -3.5865e-02, -2.3323e-02, -9.7038e-03,
1.5546e-01, 4.7619e-02, 1.8553e-02, -6.2603e-02, -4.4102e-02,
-9.4030e-02, -5.2800e-02, -6.5248e-03, 5.8871e-02, -9.6526e-02,
-1.2706e-01, -9.2187e-03, 4.8132e-02, -4.8534e-02, 4.1306e-02,
-7.1964e-02, 1.2634e-02, -1.8971e-02, -1.4901e-01, 4.8886e-02,
-7.0083e-02, 9.3484e-02, -8.0473e-02, -1.0066e-02, 8.6076e-02,
6.1688e-02, 3.4258e-02, -5.6606e-02, -9.4139e-03, 1.1422e-01,
-1.4754e-02, -1.3532e-02, 3.4995e-02, -3.9170e-02, 5.0013e-02,
5.9606e-04, -3.2096e-02, 2.7377e-02, -5.1634e-02, -4.4173e-02,
4.5341e-02, -7.4434e-02, -7.3344e-02, 8.2521e-02, -1.0768e-02,
3.8912e-02, -1.2834e-02, -1.7944e-02, -7.3136e-02, 6.3631e-03,
-8.2339e-02, -4.6890e-02, -3.2117e-02, -1.3374e-02, 3.0140e-02,
-1.3288e-02, 5.9246e-02, 1.5202e-02, -2.1842e-02, -9.2248e-04,
-1.2283e-02, 6.8418e-02, -1.2942e-01, -6.1785e-02, -1.2437e-02,
-6.1415e-02, 1.0513e-03, -4.4440e-02, -1.5784e-01, 2.4608e-02,
-7.0167e-02, -5.2801e-03, -4.2032e-02, -1.0262e-02, -7.5507e-02,
1.0283e-02, -3.4476e-03, -3.8709e-02, -7.1416e-02, -3.7785e-02,
8.0829e-03, -1.6372e-01, -1.4929e-01, 2.0592e-01, -9.4015e-02,
-4.2327e-02, 1.6998e-01, -5.7232e-02, 6.8059e-02, -2.8886e-02,
-1.1401e-01, -4.0281e-02, 4.3768e-02, -8.0411e-02, 1.2208e-01,
-8.9729e-03, 6.6418e-02, -2.5759e-02, -4.4681e-02, -5.5097e-02,
-3.2672e-02, -8.6086e-02, 1.2960e-02, -5.3668e-02, -5.4928e-02,
4.1235e-02, -5.5235e-02, -5.3681e-02, -1.4306e-02, 7.8547e-02,
-2.1754e-02, -8.6855e-02, -3.5132e-02, 6.0409e-03, -1.6573e-04,
9.0815e-02, -9.3622e-02, 4.3143e-02, -7.5812e-02, 3.1016e-02,
-8.3266e-02, -3.3091e-02, 1.4683e-02, 1.2502e-02, 1.6598e-02,
-1.2807e-01, -7.2586e-02, 1.7372e-02, -6.2826e-02, -2.1582e-02,
-4.3480e-02, -2.0603e-02, 4.9391e-02, 6.5418e-02, 1.0075e-02,
-6.2883e-03, 1.5301e-02, -7.1326e-02, -2.5402e-02, -4.1368e-02,
5.8032e-03, 8.8233e-03, 8.6973e-03, -1.2947e-02, 1.5950e-01,
-7.6149e-02, -4.1499e-02, -9.1342e-02, -3.5098e-02, -3.5390e-02,

```
1.5671e-02, -7.3570e-03, -1.1445e-01, -5.7522e-02, -8.9159e-02,
3.5290e-03, 3.8952e-02, -1.0637e-02, 1.3029e-02, -9.9375e-03,
-1.5668e-03, -1.1366e-02, -5.6734e-03, -3.3372e-02, -9.2827e-02,
-1.1397e-03, -1.2433e-01, 4.8069e-02, 5.6339e-02, 8.9474e-02,
-1.1594e-01, 5.9387e-01, 2.9093e-02, 4.5795e-02, -5.8369e-02,
-1.6543e-02, -5.8522e-02, -6.7777e-02, 3.6422e-02, -1.0600e-01,
4.9001e-02, -3.4124e-01, -2.0110e-02, -2.8014e-02, -6.9184e-02,
-6.3752e-02, 1.2413e-02, 8.0068e-03, -5.6464e-02, 5.7208e-03,
-4.9070e-03, 3.4994e-02, -2.6844e-01, -1.0761e-01, -7.3569e-02,
-4.0730e-02, -1.1242e-01, -1.5338e-02, -7.9411e-02, 3.7815e-02,
-5.7236e-02, -3.0939e-03, 3.9890e-04, -4.4021e-03, 2.1522e-02,
-9.2445e-02, -6.6488e-03, -8.3713e-02, -4.7819e-02, 5.6763e-02,
-2.6258e-02, 5.2532e-02, 5.4844e-02, -3.2745e-02, 2.2026e-02,
1.1736e-01, -7.7205e-02, 7.6171e-03, -1.1899e-01, -1.2142e-01,
5.7578e-02, 4.4218e-02, 7.7279e-03, -2.6921e-02, -5.2640e-02,
-6.3057e-03, -2.5079e-02, -6.1209e-02, 1.9924e-02, 1.8516e-02,
-6.9058e-02, -5.3652e-02, 2.5093e-02, 1.6314e-02, 2.7030e-02,
8.1188e-03, -4.4754e-02, -8.5467e-02, 4.2414e-02, 5.9430e-02,
-5.9008e-02, 1.9983e-02, 7.8006e-03, 5.4440e-01, -6.2851e-01,
4.3247e-02, -8.9033e-02, -1.8851e-02, 2.7969e-02, -5.1712e-02,
8.2400e-03, 6.9498e-02, -1.7840e-02, -7.3251e-02, 2.8987e-02,
-4.8734e-02, -2.6916e-02, -1.9576e-01, 8.0980e-03, -4.9773e-02,
1.2639e-02, -7.7097e-02, -4.1829e-02, -2.0770e-02, 3.8572e-02,
-3.0134e-02, 3.2005e-02, 1.6451e-02, 4.5349e-02, -5.5939e-02,
-7.6986e-02, -2.5868e-02, -5.8673e-02, 4.9341e-02, -1.0919e-01,
4.0837e-02, -8.1031e-02, 8.5958e-04, -2.0668e-02, -4.9819e-02,
-8.5659e-02, 5.1206e-02, 6.6058e-02, -4.6355e-02, -3.2714e-02,
1.1251e-02, -1.4920e-02, -2.0442e-02, -8.9906e-03, 2.6904e-02,
8.8033e-03, 7.0815e-02, 4.7455e-02, -5.5201e-03, 7.1492e-02,
-9.9568e-02, -2.6814e-01, -1.8705e-02, -6.6931e-02, -6.6554e-02,
2.7437e-02, -6.1672e-02, 1.0803e-01, -2.6928e-02, -9.1898e-02,
3.5167e-02, -2.0175e-03, -8.6391e-02, -2.8115e-02, 8.7587e-02,
1.8851e-02, 2.5570e+00, -9.5874e-02, 3.1684e-03, -1.3335e-02,
-2.1812e-02, -6.9875e-02, -7.5896e-02, -3.3688e-02, -7.5195e-02,
-7.2104e-03, -4.6222e-02, -6.9889e-03], device='cuda:0')
```

Out[25]: Parameter containing:

```
tensor([[ 0.0866,  0.0853, -0.0056, ...,  0.0521,  0.0445, -0.0503],
        [-0.0279, -0.0274,  0.0185, ...,  0.0529,  0.0198,  0.0091],
        [-0.0014,  0.0413, -0.0224, ...,  0.0395,  0.0034,  0.0406],
        ...,
        [-0.0477,  0.0195,  0.0254, ...,  0.0491, -0.0025,  0.0338],
        [-0.0179,  0.0319,  0.0232, ..., -0.0546,  0.0455, -0.0481],
        [ 0.0210, -0.0565,  0.0728, ...,  0.0242, -0.0529,  0.0057]],
        device='cuda:0')
```

Out[25]: Parameter containing:

```
tensor([-4.2753e-02, -1.2808e-01,  2.8234e-02, -1.9620e-01,  2.8905e-01,
        2.8278e-01, -4.7223e-01, -5.8761e-01,  2.8950e-02,  1.3215e-01,
        6.6828e-02, -5.2111e-02, -3.0581e-01,  1.4074e-01, -1.4261e-01,
        2.7614e-01, -1.6284e-01, -1.2668e-01,  3.1340e-01, -1.1013e-01,
        -2.1027e-01, -3.9193e-02, -6.0293e-03,  3.2785e-01,  8.0804e-02,
        2.2450e-01, -1.4993e-01, -5.8767e-02,  7.9078e-02,  1.6466e-01,
        7.3557e-02,  7.0290e-02,  1.2904e-01,  1.9162e-01,  4.6148e-04,
        -8.3454e-02, -1.2430e-01, -1.9807e-01,  2.7479e-01, -2.4203e-02,
        -2.6482e-01, -9.7924e-02,  1.4916e-01,  2.7452e-01, -2.8853e-01,
        8.6569e-02,  6.0229e-02,  1.1544e-03,  1.2458e-01, -3.2950e-01,
        -1.5326e-01,  4.0316e-01, -1.5658e-02, -3.1198e-01, -3.2295e-01,
        2.3278e-01,  3.8698e-02,  1.2173e-01,  2.1798e-01,  1.0720e-01,
        1.2313e-01,  5.8135e-01,  8.8997e-02, -2.6715e-01,  3.5167e-01,
        -4.7992e-01, -4.3059e-01,  1.1666e+00, -4.5017e-01,  3.7417e-01,
        -3.1466e-01, -1.8526e-01,  2.5847e-01,  5.3863e-01,  8.7548e-02,
        -2.4390e-01, -3.8949e-01, -2.3525e-01,  7.6195e-01, -2.3919e-01,
        2.7385e-01, -3.6411e-01, -7.9344e-01,  1.1506e-01, -7.7675e-01,
        8.5356e-01, -2.2765e-01,  2.6184e-01,  2.2611e-01,  4.3368e-01,
        -2.7635e-01, -2.4126e-01, -3.1167e-01, -1.8154e-01,  5.3190e-01,
        1.7040e-01,  4.9036e-01, -5.8692e-01, -2.9486e-01, -2.7563e-01,
        -2.4587e-01, -4.2120e-01,  6.4754e-01, -3.9250e-01, -4.9280e-01,
        2.7920e-01, -4.1232e-01,  4.8132e-01,  9.1939e-01, -5.2031e-01,
        9.3089e-01, -9.4427e-01,  1.1496e+00,  7.1696e-01,  4.5581e-02,
        -5.5210e-01, -1.1325e+00, -4.5080e-02,  2.1598e-02,  7.0444e-01,
        -4.1396e-01,  7.0762e-01, -1.3517e-02, -7.2932e-01,  8.1857e-01,
        5.1248e-02, -7.9497e-02,  1.1414e-01,  6.0793e-02,  1.3941e-01,
        -3.6812e-01,  2.7792e-02,  2.2964e-01, -5.2802e-01, -3.3291e-01,
        -3.9031e-01,  2.3116e-02, -5.3521e-01, -4.0711e-01,  4.8911e-02,
        -4.3835e-01, -4.1561e-01, -6.6334e-01,  5.8523e-01,  2.7243e-01,
        -4.2230e-02, -3.9582e-01,  3.5328e-01, -2.4842e-01, -9.8274e-02,
        -1.2500e-02, -9.4967e-01, -6.3184e-01, -3.9706e-01, -2.2317e-01,
        -2.5004e-01,  1.5216e-02, -7.5300e-01, -1.6896e-01,  1.3563e-01,
        -3.8811e-01, -1.4171e-01, -4.2671e-01,  3.5798e-01, -4.7729e-01,
        -3.9894e-01,  1.4088e-01, -5.3254e-01,  4.6196e-02,  5.4754e-01,
        -4.8638e-01,  3.6861e-01,  7.3442e-02,  1.0890e+00,  1.6773e-01,
        2.5449e-01, -7.0420e-01,  3.5748e-01,  2.5287e-02, -4.6792e-01,
        -2.0808e-02, -3.2956e-01, -1.3939e-01,  1.9204e-02, -8.3937e-01,
        -3.2786e-01,  6.3117e-01,  1.5808e-01,  1.3011e+00,  2.2784e-01,
        -2.4049e-01, -4.8334e-02, -7.2693e-01,  3.1847e-01,  6.8636e-02,
        -2.6417e-01, -2.7960e-02, -1.6246e-01, -2.2110e-01,  3.3220e-01,
        -2.1323e-01, -4.7972e-01, -3.0324e-01, -1.4650e-01, -2.9272e-01,
        3.3558e-01, -9.1774e-02,  2.5653e-01,  2.3510e-01,  2.9837e-01,
        1.8616e-01,  1.3154e-01,  1.1396e-01,  2.8600e-01,  2.5832e-01,
        -2.7591e-01, -2.9531e-01, -4.7515e-01,  6.3887e-02,  3.7024e-01,
        -2.9583e-01, -1.3187e-01,  8.7600e-02, -3.6079e-01,  1.4246e-01,
        -1.4408e-01, -2.6287e-02,  3.0015e-01,  9.9135e-02, -7.1375e-01,
        8.3899e-02,  1.2853e-02, -1.6080e-01, -1.5310e-01, -5.9308e-03,
        -1.5475e-01, -4.3872e-01,  4.2520e-02,  5.2961e-01,  4.3294e-01,
        -3.4130e-01,  3.1421e-01,  5.6120e-02,  1.7316e-01,  7.9144e-02,
        -9.3987e-02,  2.3427e-01, -4.2964e-01,  5.6984e-02,  2.6368e-01,
        -4.4914e-02,  6.6711e-01,  2.3917e-01, -3.0981e-01, -6.0611e-02,
        1.5447e-01, -1.4364e+00,  1.1273e+00,  2.3897e-01, -4.4662e-01,
        6.0744e-01, -1.0653e-01,  7.2383e-01,  5.7904e-01,  1.2497e-01,
        -1.0135e+00,  7.9127e-01, -1.6118e-01,  6.3883e-01,  9.8993e-01,
        1.6492e-01, -7.6762e-02, -2.8448e-01, -2.0858e-01,  4.5117e-01,
        -3.1821e-01,  4.4450e-01,  7.3831e-01, -5.6662e-01,  1.4152e-01,
        4.8146e-01,  5.5946e-03,  2.8390e-01,  2.9957e-01,  1.5843e-01,
        2.7202e-01, -1.1414e+00,  4.1042e-02,  8.8801e-02, -5.9702e-01,
        6.2764e-01,  3.3211e-01,  5.1418e-01, -3.7936e-01, -2.1196e-01,
```

1.7353e+00, 7.1877e-01, -1.0505e+00, -5.5112e-01, 4.5280e-01,
2.1946e-01, 8.2362e-02, -1.8494e+00, 1.6215e-02, 1.3503e-01,
8.0710e-01, 2.9401e-02, -5.4022e-01, -5.2436e-01, -4.0291e-01,
-3.0561e-01, 5.7471e-01, 7.2464e-01, 1.0556e+00, -2.9984e-01,
-3.3451e-01, 4.7908e-02, -4.0904e-01, -5.1832e-01, -2.9795e-02,
-8.6708e-02, -8.0199e-01, -1.1000e-01, -7.2945e-02, -1.0296e+00,
-2.5133e-01, -1.6733e-01, -2.3013e-01, -1.0397e+00, -6.2321e-01,
3.7256e-01, 6.8472e-02, 7.1407e-04, 5.5210e-02, 6.2875e-01,
-8.4833e-01, 3.8920e-02, 9.2822e-02, 1.3571e-01, -5.7973e-01,
-1.0013e+00, -9.7973e-01, 7.7223e-02, 3.8115e-01, -1.7267e-01,
-1.8521e-01, -1.2656e-01, 6.5438e-01, -1.6112e-01, 1.3760e-02,
-5.0678e-01, -1.7731e-01, -5.9747e-01, 2.8374e-03, 5.9595e-01,
-2.8643e-01, -1.3373e-01, 2.8608e-01, -1.0006e+00, -4.0641e-01,
-1.3044e-01, -8.9801e-01, 1.6166e-01, 6.6148e-01, -4.0203e-01,
5.7693e-01, -4.6739e-01, -4.3356e-01, 3.7320e-01, -1.3414e-01,
-1.7860e-01, -7.8410e-02, 1.7283e-01, 4.6276e-01, 6.2474e-01,
1.3551e-01, -9.0716e-02, -5.2925e-01, 1.2929e-01, 1.2409e-01,
-3.0312e-01, 2.2167e-01, -3.6882e-01, 2.7731e-02, 4.9200e-01,
-1.6827e-01, -1.1186e-01, -2.4594e-01, -9.0870e-03, 5.6377e-02,
2.8684e-02, 1.3577e-02, 2.8874e-01, -3.2949e-01, 7.0007e-02,
4.1822e-01, -3.2652e-01, -2.7085e-01, 4.1689e-01, -2.2843e-02,
1.5804e-04, 3.1791e-01, 2.8048e-02, -3.1757e-01, 4.3656e-01,
2.5691e-01, -3.2686e-01, -1.1124e-01, 8.7384e-02, 3.4375e-01,
7.8180e-02, 4.0076e-01, 4.3088e-01, -2.3236e-01, -1.9183e-01,
-2.7855e-01, 1.6225e-01, -3.7034e-01, 2.1268e-01, 5.9942e-01,
8.8900e-02, 2.8244e-01, -5.5190e-02, -2.8144e-01, -8.6188e-02,
-7.0507e-02, -3.6953e-02, 2.5753e-02, -2.4555e-01, 1.5213e-01,
1.0438e-01, -1.7196e-01, -6.5169e-01, 8.6378e-02, -4.4046e-01,
-1.9220e-01, -2.5203e-02, 1.8714e-01, 3.1516e-01, -2.0147e-01,
-1.3878e-01, 2.2036e-01, -2.7159e-01, -2.2111e-01, 1.4764e-01,
2.0416e-01, -1.9644e-01, -3.6794e-03, -1.7893e-02, -4.6516e-01,
6.7166e-02, 3.1929e-01, -5.7297e-02, -5.0673e-01, 6.8784e-02,
2.1888e-01, 2.8143e-01, 3.0873e-02, 7.8595e-02, 2.9068e-01,
3.1227e-02, 1.2036e-01, -2.2550e-01, -4.2427e-01, 2.7790e-01,
9.3760e-02, -1.9539e-01, -4.5754e-01, -3.0095e-01, -5.0064e-02,
1.4578e-01, -5.0986e-02, 2.6428e-01, -7.1736e-02, -2.7062e-01,
-2.4577e-01, 9.3436e-02, 4.1509e-01, 1.9442e-01, -7.5402e-02,
2.7402e-01, -1.4970e-01, 5.7188e-02, -9.8146e-02, 1.9008e-01,
-1.1559e-01, 4.7045e-01, 1.6205e-01, 1.2193e-01, 1.4227e-01,
2.0833e-02, 2.9415e-02, -3.6862e-03, 3.9047e-02, -5.7882e-02,
5.2765e-01, -3.1897e-01, -1.7131e-02, 1.9699e-01, -4.8466e-02,
-2.9057e-01, -2.6595e-01, 2.5037e-01, -2.2154e-01, -2.8452e-01,
1.2324e-01, 4.0416e-02, -2.3602e-01, -1.1543e-01, -3.6388e-01,
-1.4550e-01, -1.8673e-01, 2.7486e-01, 2.4013e-01, 1.3503e-01,
3.3858e-01, -4.5142e-01, 8.0137e-02, -1.4430e-01, -1.9776e-01,
1.6084e-01, -4.7175e-01, -1.6077e-01, 1.0967e-02, 2.7645e-01,
-3.5839e-02, 2.3914e-01, 1.4307e-01, 1.4422e-01, -1.9935e-01,
1.9403e-02, -1.8303e-01, 1.8753e-01, -2.2737e-01, -2.3870e-02,
1.3579e-03, -6.1462e-02, -2.2691e-01, -7.1621e-03, -2.8155e-01,
-8.3779e-02, -4.0276e-01, 2.8534e-01, 1.9279e-01, 1.2838e-01,
-4.2655e-01, 1.4218e-01, 3.0872e-01, -7.6052e-02, 2.4448e-01,
2.6507e-01, -3.6322e-01, 5.2180e-01, -1.0984e-01, -2.3140e-01,
-2.1849e-01, 3.0054e-01, -2.8634e-01, 1.3334e-02, -1.4782e-01,
-8.1105e-02, -1.1148e-01, -1.2413e-01, -3.9533e-01, 9.3922e-02,
-1.9466e-01, -9.3144e-02, 3.2723e-01, 4.3204e-01, -1.6849e-01,
1.3081e-01, -1.6760e-01, -2.3695e-01, -5.7208e-01, -3.9926e-01,
-4.4946e-01, 1.3182e-01, -6.6629e-01, 1.1635e-01, -4.3228e-01,
1.0197e-01, -3.8990e-01, -2.6584e-01, 1.2167e-02, 4.6396e-01,
-1.5845e-01, -1.9687e-01, -1.1404e-01, -5.8626e-01, -1.4082e-01,
4.8442e-01, -1.2972e-01, -5.2965e-02, -6.5673e-02, -3.1003e-01,

```
-1.8119e-01, -8.0073e-02, -9.3245e-02, 1.8979e-01, -5.7677e-01,
5.7884e-01, -4.0717e-02, -1.9553e-01, -2.2865e-01, -8.8108e-01,
1.9742e-01, 4.7964e-01, 9.4268e-02, 1.5687e-01, -4.4148e-01,
1.6956e-01, -2.1872e-01, -3.9684e-01, 1.9261e-01, 8.2056e-02,
4.6250e-02, -2.7012e-01, 2.9209e-01, -3.4080e-01, 9.5572e-02,
1.0071e-01, 1.4520e-01, -1.1777e-01, -3.6869e-01, -3.9783e-01,
-4.7329e-01, 5.2498e-02, 2.0599e-01, 1.6300e-02, 6.0983e-03,
2.0510e-01, -3.6645e-01, 3.0523e-01, 5.5243e-02, -2.8295e-01,
-1.7580e-01, 1.4503e-01, 4.0499e-01, -2.3599e-01, 8.9090e-02,
1.1377e-01, -9.2063e-01, 3.0732e-01, 3.5656e-01, -3.8951e-01,
-4.1721e-01, 1.3428e-01, -6.0488e-02, -6.8732e-01, 9.1189e-02,
-3.6383e-02, -5.8817e-01, -4.6305e-02, 1.5766e-01, -2.1687e-01,
-3.2014e-01, 2.1780e-01, -1.4392e-01, -2.2420e-01, -5.0856e-01,
-3.2523e-01, -5.3597e-02, 4.4404e-01, 2.3599e-01, -3.2217e-01,
-1.9191e-01, 1.2067e-01, 1.3793e-01, 7.3796e-02, -1.8074e-01,
2.9721e-01, -4.2870e-01, 1.3013e-01, 5.9242e-01, 4.7183e-01,
-2.6686e-02, -1.9220e-01, -1.3174e-01, -8.6004e-02, -8.9811e-02,
-4.2226e-01, -7.5782e-02, -3.0252e-02, -2.1660e-02, 2.5546e-01,
-7.3817e-02, -4.8425e-01, -3.4316e-01, -1.8511e-02, -1.8577e-01,
-3.0831e-01, 1.2450e-01, 3.2019e-01, 3.5457e-01, -4.3120e-01,
-1.8470e-01, 8.7630e-02, -1.5617e-01, -1.7810e-01, 2.0838e-01,
1.8124e-01, 3.9331e-01, -3.2237e-01, 7.0424e-02, 4.0667e-01,
2.3211e-01, -4.1821e-01, -2.5783e-01, -4.5657e-01, 4.1154e-01,
2.1648e-01, 5.0330e-01, 6.7950e-01, 2.2776e-01, -5.2008e-02,
1.1365e-02, 1.7016e-01, -1.1767e-01, -3.6943e-01, 4.1171e-01,
5.7386e-02, 1.4830e-01, 4.1114e-01, -2.1213e-01, 4.4869e-01,
4.1892e-01, -2.9036e-02, -3.7392e-01, 5.3560e-02, -5.2439e-01,
-7.2890e-01, -3.2280e-01, -5.1674e-02, 3.7626e-01, 3.2356e-02,
-5.7654e-01, -3.7152e-01, 3.3734e-01, -4.7435e-01, -8.3853e-01,
9.2194e-02, 2.7428e-01, 6.6821e-01, 3.1980e-01, -9.8454e-03,
-6.6768e-01, -3.0029e-01, 3.9482e-01, 5.4687e-01, -2.8126e-01,
-3.5893e-01, 1.1085e-01, -9.5439e-02, -6.3391e-01, -2.9535e-01,
2.9878e-01, -5.4784e-01, 2.8214e-01, 4.3244e-01, -5.8743e-03,
7.2960e-02, 1.2068e-01, 4.1719e-01, -1.6106e-01, -1.4857e-01,
4.6312e-01, 5.4854e-01, 2.3490e-01], device='cuda:0')
```

Out[25]: Parameter containing:

```
tensor([[ -0.0492,  0.0059,  0.0167, ...,  0.0276,  0.0625,  0.0648],
        [ -0.0837, -0.0169,  0.0023, ..., -0.0144, -0.0237, -0.0640],
        [  0.0300,  0.0157,  0.0067, ...,  0.0128,  0.0243, -0.0173],
        ...,
        [  0.0082, -0.0412,  0.0019, ..., -0.0869,  0.0116, -0.0192],
        [ -0.0455, -0.0346,  0.0389, ..., -0.0641, -0.0035,  0.0328],
        [ -0.0150,  0.0095, -0.0269, ..., -0.0184,  0.0336,  0.0089]],
        device='cuda:0')
```

Out[25]: Parameter containing:

```
tensor([-9.0928e-03,  3.3947e-03,  1.4265e-03, -3.5446e-03,  1.1041e-02,  
        -1.0463e-02, -3.6790e-03, -9.6864e-03, -1.1270e-02, -1.2181e-02,  
         1.9440e-03,  6.8382e-04, -6.6048e-03,  6.7443e-04, -3.3148e-03,  
         5.3138e-03,  1.1045e-02, -1.1532e-02, -6.9915e-03,  3.5611e-03,  
        -3.6130e-03,  1.3802e-02,  7.1003e-03,  1.3896e-03, -1.5174e-03,  
        -1.1210e-02, -8.2373e-03, -6.5877e-03, -7.1804e-03,  1.4293e-03,  
         1.3752e-02,  6.6520e-03, -1.8490e-03, -2.4257e-03, -5.7950e-03,  
         1.0298e-02, -1.0528e-02,  1.2346e-03,  1.8874e-02, -6.4127e-03,  
         2.8538e-03,  1.1148e-02, -6.6467e-03, -2.7460e-03, -1.4303e-02,  
        -1.9613e-02, -6.8204e-03,  1.2487e-03, -4.2005e-03, -4.7176e-04,  
         2.5942e-03, -4.6415e-03, -1.0971e-04, -9.9918e-03,  1.2986e-02,  
         9.4251e-03,  3.5795e-03, -2.7089e-03, -6.8241e-03, -4.6697e-03,  
         4.4989e-04,  1.5500e-02,  9.0385e-04, -1.7582e-02,  3.8904e-03,  
         6.6698e-03, -3.5052e-02, -3.3329e-03, -2.2951e-02, -6.8194e-04,  
        -6.5746e-03, -1.3629e-02,  1.1657e-03,  7.0660e-03, -6.2496e-03,  
         2.5209e-02, -1.6662e-02,  1.3584e-02, -2.5363e-03,  2.1364e-02,  
        -1.0856e-02,  5.8499e-03, -1.1272e-02,  2.2193e-03,  2.4299e-03,  
        -1.5301e-02,  2.6964e-02, -9.7402e-03,  1.1195e-02, -1.6179e-02,  
         1.0439e-02, -7.9192e-04,  2.8716e-03,  1.8492e-02, -1.6278e-03,  
        -5.1417e-03,  5.0600e-03, -3.8234e-03, -3.7765e-03, -1.4355e-02,  
        -2.2476e-02, -2.4820e-03,  1.1613e-02, -2.0809e-02,  2.0740e-02,  
         1.3036e-02,  2.7261e-03, -1.2925e-04,  1.4277e-02, -7.3183e-04,  
        -9.3149e-03, -9.2752e-03,  2.8925e-02, -4.7661e-03,  5.8777e-03,  
        -3.6295e-04,  3.0698e-03,  1.6962e-03,  3.4036e-02, -2.6543e-02,  
         1.7607e-02,  1.0841e-02,  2.2040e-02, -4.0688e-03,  1.0937e-02,  
        -8.0741e-04,  1.6438e-02,  2.3298e-02,  9.8593e-03,  2.8528e-02,  
        -1.6102e-02, -8.4626e-03, -1.0755e-02, -3.0415e-02, -1.3853e-02,  
        -2.4490e-02,  1.0572e-02, -1.2011e-02, -3.2333e-02, -8.6596e-04,  
        -7.5621e-03, -3.6073e-03, -2.6753e-02,  1.2748e-02, -6.9789e-04,  
        -1.7067e-02, -5.8840e-03,  2.8115e-03, -8.4261e-03, -7.4484e-03,  
         1.4450e-02, -1.3030e-03, -1.7098e-02, -1.7991e-02, -9.3092e-03,  
         1.5659e-03, -4.6174e-03, -2.5635e-02, -2.4499e-02, -6.5962e-03,  
        -6.9547e-03, -1.3109e-02,  7.6753e-03,  5.0612e-03, -2.1121e-02,  
         8.2874e-03, -3.2148e-03,  1.9466e-03,  1.3532e-02,  6.5903e-03,  
         2.4794e-02,  2.0365e-02,  1.2923e-02,  1.9132e-02, -6.7807e-03,  
         1.3779e-02, -1.6944e-02, -2.0798e-04,  4.5834e-03,  1.3358e-02,  
         2.7902e-03, -1.5657e-02,  1.1065e-02, -1.0073e-02, -3.6456e-02,  
        -3.0704e-02,  1.1716e-02, -2.2557e-04,  3.8620e-02,  2.6709e-03,  
        -1.1150e-02, -2.3942e-03,  6.3036e-03, -7.4660e-03,  2.0000e-03,  
         1.5058e-02,  2.2472e-02,  1.3134e-02, -1.7820e-03, -2.6297e-03,  
        -1.1029e-02,  1.4626e-02, -1.3205e-02, -2.6056e-03,  1.5970e-02,  
        -4.6158e-03,  2.1745e-02, -9.6798e-03,  1.1165e-02,  5.4246e-03,  
        -8.2099e-03,  1.5615e-02,  3.8001e-03, -1.9636e-02,  2.9294e-03,  
        -1.0127e-03,  1.8233e-02, -7.2301e-03, -5.7887e-03,  1.3505e-03,  
        -1.6105e-03,  2.6383e-03, -4.7805e-03,  1.4860e-02, -3.7835e-03,  
         1.0115e-02,  2.7024e-03, -2.6860e-03,  1.6415e-05,  1.8914e-02,  
        -2.5221e-02, -6.8248e-03, -6.7377e-04, -1.3503e-03,  2.2716e-03,  
         1.4540e-02,  4.2662e-03, -4.8018e-04, -4.4618e-03, -1.7122e-02,  
        -6.3443e-03,  1.8619e-02, -9.2280e-03,  6.6734e-03,  3.5286e-03,  
         4.2163e-04, -5.1342e-03,  1.3696e-02,  7.1145e-03, -3.2822e-03,  
         5.9000e-03, -1.3873e-02,  6.4066e-03,  7.1054e-03, -1.5667e-02,  
         2.6420e-02, -2.0609e-02, -2.1987e-02,  1.4101e-02,  2.1767e-02,  
        -1.3124e-02, -1.7064e-03,  3.1174e-03,  1.3481e-02,  1.1026e-02,  
        -4.1377e-02, -2.2143e-03, -8.3067e-03, -9.7863e-04,  2.1677e-03,  
        -3.3105e-02,  1.8997e-02,  7.1753e-03,  4.1112e-03,  1.3372e-02,  
        -5.9344e-02,  2.5430e-02, -6.0140e-03,  1.3745e-04, -1.0387e-03,  
        -2.0281e-03,  1.4821e-02,  3.8203e-02, -1.6365e-02, -5.9470e-03,  
        -6.8698e-04,  2.4218e-03,  6.6784e-03, -4.3515e-02, -3.0986e-02,  
        -4.8674e-03,  2.6879e-02,  1.6971e-02,  2.3609e-02,  3.1931e-02,
```


-8.2154e-04, 1.7664e-02, -2.7058e-02, -1.0855e-02, 2.0959e-02,
-1.1868e-02, -1.1445e-02, 8.8104e-04, -1.4520e-02, 4.9020e-03,
-1.3351e-02, 1.3838e-02, 3.2135e-02, -2.2690e-02, 1.7037e-02,
2.4150e-02, -1.8001e-02, -3.0488e-03, -9.4760e-03, -2.8834e-02,
-2.8479e-03, -2.8833e-02, 1.9255e-02, 1.5764e-02, -5.6032e-03,
7.5435e-04, -2.4330e-02, 3.9410e-03, 1.0147e-02, -8.9508e-03,
-9.7646e-03, 1.0135e-02, -9.8294e-03, -9.7575e-03, 2.3414e-02,
-1.3569e-03, -8.1628e-03, -2.1919e-02, -1.3377e-02, 5.8254e-03,
-1.1819e-02, 1.7834e-02, 1.0678e-02, -1.6342e-02, -3.3419e-02,
1.3009e-03, -5.8151e-03, -3.1665e-04, 1.2555e-02, -6.7207e-03,
-3.0795e-02, 6.3770e-03, -4.9697e-03, -3.4916e-03, -1.9111e-02,
7.0842e-03, -7.1631e-03, -7.0490e-03, 2.5330e-02, -5.8135e-03,
4.8923e-03, 8.5898e-03, -2.3422e-03, -2.7973e-03, -1.0924e-03,
-5.9424e-03, 5.0696e-03, 1.8102e-02, 1.3837e-02, 2.4807e-03,
6.2949e-03, 4.6331e-03, 1.0967e-02, -1.6404e-02, -1.4033e-02,
-1.1787e-02, -1.3383e-02, 7.1120e-04, 3.3221e-04, 2.8718e-02,
7.3866e-03, -6.6840e-03, 1.0174e-02, 1.1658e-03, 2.2530e-02,
-6.6341e-03, -1.4461e-02, -4.5165e-03, 6.3593e-03, 1.3052e-02,
-2.2848e-03, -3.3725e-02, -5.4216e-03, 1.5889e-02, -4.0216e-03,
5.7358e-03, 5.0060e-03, -7.9244e-03, 9.7909e-03, -1.1704e-02,
8.0089e-03, -9.4020e-03, 2.9792e-03, 6.6015e-04, -2.4030e-03,
-1.7316e-02, -4.8810e-03, 1.4688e-02, 1.3953e-02, 6.4034e-03,
2.8347e-03, 9.3341e-03, -1.5940e-02, 1.1282e-02, -8.1589e-03,
7.2236e-03, 1.0372e-02, 5.2461e-03, 8.4115e-03, -2.4272e-02,
-9.0805e-04, 6.6828e-03, 6.3559e-03, -8.1343e-03, 6.6625e-03,
8.4812e-03, -9.5893e-04, 6.4879e-03, -8.2468e-03, -1.2708e-03,
1.2298e-02, -9.9265e-03, 2.9148e-03, 9.6327e-03, 1.5431e-02,
-2.5562e-03, -2.8562e-03, 2.8012e-03, 1.3043e-02, 7.2196e-03,
4.7384e-03, -1.3598e-02, -2.6817e-03, 1.7380e-03, -1.9683e-02,
-1.2118e-02, 1.2950e-02, 1.7768e-03, -8.1833e-03, 1.3162e-02,
-4.4146e-03, -9.2262e-03, -5.4131e-03, 3.5756e-03, 3.9266e-03,
-7.1282e-03, -1.5763e-02, 8.4882e-03, 1.1401e-02, 1.0644e-02,
1.6442e-02, 5.7102e-03, -1.4928e-02, 5.4088e-03, -2.2847e-02,
-6.0122e-03, -1.6940e-02, 3.7567e-03, -9.2094e-03, -1.2442e-03,
-8.9505e-03, 2.5667e-02, -1.3665e-02, -1.7643e-02, 1.2510e-03,
-1.7038e-03, 1.1316e-02, -1.4081e-02, -7.8801e-03, 1.5890e-02,
9.9735e-03, -7.3589e-03, -3.3907e-03, 5.3538e-03, -2.6110e-02,
-1.4424e-02, -1.2903e-02, 6.2946e-03, 1.5530e-03, 3.0056e-03,
-7.1814e-03, 5.5790e-03, -2.2411e-02, -9.3740e-03, 4.2432e-03,
7.4772e-03, -6.2370e-03, -1.2986e-03, -6.1392e-03, -7.2630e-03,
4.8132e-03, -8.0949e-03, 5.1259e-03, -1.3248e-02, -1.1156e-02,
7.1002e-03, 3.1515e-02, 7.7735e-03, 1.1770e-02, 6.0729e-03,
-7.0340e-04, 6.9950e-03, 7.2065e-03, 1.2628e-02, -1.2489e-02,
-1.5424e-02, 5.3320e-03, 3.9174e-03, -5.2894e-03, -1.1067e-02,
-9.8051e-04, 1.4028e-02, -6.4819e-03, -2.7984e-03, 1.6301e-02,
8.0933e-04, 8.7389e-03, 5.6238e-03, -8.7407e-03, -5.6821e-03,
4.6657e-03, 1.6182e-02, 9.2047e-03, -8.9010e-03, 3.0613e-03,
9.9394e-03, 8.0662e-03, 1.1731e-02, -3.0182e-03, 6.9095e-03,
2.7367e-03, -5.2818e-03, -1.2937e-04, -6.1710e-03, -8.7454e-03,
9.1197e-03, 1.1753e-02, -1.8567e-03, 9.9269e-03, -9.0151e-03,
-5.7411e-03, -1.6448e-03, 1.0221e-02, -3.7381e-03, -7.8375e-03,
1.3810e-02, -3.1731e-03, -1.3859e-05, -1.6566e-03, 5.5348e-03,
-2.1868e-02, -1.6539e-02, -1.4076e-03, -1.7815e-04, -1.4951e-02,
2.5939e-03, 8.7052e-04, 4.3706e-03, -7.5503e-03, -3.5530e-03,
-2.8666e-02, -1.9235e-02, 4.5378e-04, 1.2275e-02, 9.5996e-03,
-3.2869e-03, -2.3526e-03, 7.7077e-03, -8.4967e-03, -1.7346e-02,
-7.9956e-04, -1.0388e-02, 9.8704e-03, 3.6933e-03, 1.0911e-02,
-3.6020e-03, 1.3810e-02, -1.6218e-02, -1.1022e-02, 5.6370e-03,
6.8608e-03, -8.1303e-03, -2.4065e-04, 3.2267e-02, -5.4332e-03,
1.6065e-02, -2.7016e-03, -1.1720e-03, -9.3997e-03, 1.6574e-02,

```
4.6159e-03, 2.9450e-04, -1.9001e-03, 7.1975e-03, 4.9692e-03,
1.3747e-02, 2.9046e-03, 2.7347e-03, -1.7194e-03, -4.3531e-03,
-9.5111e-03, -2.6444e-03, 1.2537e-02, -1.1347e-02, -6.8090e-03,
-3.3416e-03, -3.0547e-03, -1.4681e-02, 2.9746e-04, 7.8732e-03,
-6.8667e-03, -2.7387e-03, -1.6373e-02, 1.2676e-02, 9.9462e-03,
1.2181e-02, 1.2520e-02, -2.8872e-03, -5.5637e-03, 1.0177e-02,
-6.4284e-03, 6.6708e-03, 5.0624e-03, 8.0902e-03, 2.1132e-03,
-7.4262e-03, -1.5845e-03, -3.3008e-03, 6.9389e-03, -2.5134e-03,
6.6074e-03, -6.7454e-04, -1.6104e-03, 1.8714e-02, -9.3789e-03,
9.4321e-03, 9.7563e-03, 1.3986e-03, 9.1761e-03, 1.2425e-03,
7.1047e-03, 1.9801e-03, 3.2324e-04, 1.2739e-03, -1.6854e-02,
1.0218e-02, -1.7330e-02, 2.0158e-02, -6.7157e-04, -1.1319e-02,
-8.2901e-04, 1.3299e-02, 5.1462e-03, 5.7303e-03, -6.8123e-03,
1.6719e-02, 1.3331e-02, -3.0948e-03, 8.2312e-03, -3.1843e-03,
3.8482e-04, -1.6026e-02, 1.7257e-03, 2.2150e-02, -7.3177e-03,
2.7164e-02, 8.2528e-03, 4.2313e-03, -8.3957e-03, -3.1015e-02,
-4.6504e-04, -1.5855e-02, 3.1404e-03, -9.7540e-03, -6.7822e-03,
2.6669e-02, 7.8342e-03, 4.6978e-03, 1.1928e-02, -1.0911e-04,
-3.6352e-03, -5.9350e-03, 5.0552e-03, 9.4475e-03, -1.1033e-02,
5.5270e-03, 1.3302e-02, 5.5133e-03, -3.0636e-03, 2.5616e-03,
-2.8743e-02, -2.0775e-03, -1.7704e-02, 1.3214e-02, 1.8182e-02,
4.5240e-03, 1.7426e-02, 5.6178e-03, -1.7652e-02, -1.8520e-02,
1.0808e-02, -2.5101e-03, 1.1387e-02, 2.3210e-03, 2.1891e-02,
8.1479e-03, -1.7991e-02, 2.7149e-02, -6.6505e-03, 2.5017e-02,
-1.4869e-03, 1.2657e-02, -1.9220e-02, 2.5993e-03, -1.6583e-02,
2.9586e-03, -3.4735e-03, 1.4335e-02, 7.7019e-03, 6.9507e-03,
1.3606e-02, 3.2888e-03, -4.7182e-03, -7.0103e-03, -8.3195e-03,
1.3927e-02, 8.8588e-04, 1.5868e-02, 1.1776e-02, 1.0379e-02,
1.6553e-02, 9.3579e-03, 1.4620e-02, -7.7530e-03, -8.4941e-03,
2.0608e-02, -4.5811e-03, -2.1733e-02, -1.0351e-02, -1.1838e-02,
-2.9197e-02, -2.2817e-02, 3.5223e-03, -4.9585e-03, 1.1545e-02,
-9.4534e-03, -1.9624e-03, -4.9430e-03, 1.5381e-02, 1.6227e-02,
-1.0465e-02, 1.6613e-02, -8.1606e-03, -3.1716e-02, -1.6873e-02,
-7.6246e-04, -1.8212e-03, 1.0375e-04, -2.2185e-02, 1.7489e-02,
5.0209e-03, -1.0196e-02, -1.7672e-02], device='cuda:0')
```

Out[25]: Parameter containing:

```
tensor([[ 0.0072,  0.1096,  0.0030, ...,  0.0032,  0.0408,  0.0202],
        [ 0.0159, -0.0177, -0.0926, ..., -0.0199,  0.0008, -0.0514],
        [ 0.0408,  0.0093,  0.0336, ...,  0.0048, -0.0965,  0.0210],
        ...,
        [ 0.0688, -0.0098, -0.0103, ...,  0.0139,  0.0064, -0.0670],
        [ 0.0189, -0.0472,  0.0282, ...,  0.0020, -0.0173, -0.0063],
        [-0.0304, -0.0220,  0.0455, ...,  0.0141,  0.0065,  0.0111]],
        device='cuda:0')
```

Out[25]: Parameter containing:

```
tensor([-2.6405e-02, -3.2420e-03,  2.2856e-02,  6.9096e-03, -3.4698e-02,
        1.5754e-02, -2.5098e-02, -1.3117e-02, -1.8051e-02,  7.6482e-02,
        -2.5053e-02,  9.2805e-02, -3.6634e-03,  6.0068e-02,  5.0508e-02,
        2.0966e-02, -1.0950e-03, -4.8881e-02,  4.4179e-02, -2.1958e-02,
        4.2595e-02,  9.4558e-03, -8.6447e-02,  7.7735e-02,  1.6885e-02,
        7.9752e-03,  2.8156e-02, -8.4422e-04, -4.1645e-02,  6.2812e-02,
        -7.0531e-02, -6.9860e-03,  6.9721e-02,  6.8932e-02, -6.2239e-02,
        -1.1329e-02,  2.1466e-02, -1.1873e-01,  2.3310e-02,  1.8618e-02,
        5.4282e-03, -5.1312e-02,  2.5585e-02,  2.7323e-02, -7.3853e-02,
        -3.2130e-02, -1.7192e-02,  5.7307e-02,  6.7191e-03,  8.7726e-02,
        -4.1648e-02,  4.3450e-03,  1.0488e-01,  4.5141e-06,  2.8304e-02,
        -5.0208e-02,  2.3710e-02, -7.1217e-02, -1.2659e-02,  1.5559e-02,
        -1.8914e-02, -7.2118e-02, -5.3347e-02, -2.7427e-03,  2.1971e-02,
        1.0644e-01, -6.2395e-02, -1.8804e-01,  5.3706e-02, -9.4040e-02,
        1.2954e-01,  2.6401e-01,  1.8464e-01, -1.9940e-01, -1.2116e-01,
        -4.1722e-02,  6.9957e-02, -1.4507e-01, -2.4733e-02,  1.8127e-01,
        -1.7272e-01,  1.5144e-01, -3.7202e-02,  5.8690e-02,  1.6409e-01,
        -3.0298e-01,  4.2745e-02, -3.2173e-03, -1.0578e-01,  8.1364e-02,
        1.1717e-02, -3.0444e-01, -7.2416e-02, -1.3699e-01,  3.7788e-01,
        -6.6627e-02,  6.0969e-03, -2.2913e-01,  2.7542e-01, -3.9884e-01,
        -1.2409e-01,  1.2998e-01, -2.2732e-02,  8.5808e-02,  9.2209e-02,
        2.8720e-01, -1.0084e-01, -2.0112e-02, -2.6752e-01, -1.2339e-01,
        -3.0082e-02,  9.9313e-02, -1.2486e-01,  1.2996e-02, -5.5363e-02,
        5.7855e-02,  1.3990e-02, -3.1779e-01, -1.7955e-02,  9.0100e-02,
        8.2315e-02, -1.8451e-01,  1.6983e-01,  1.3289e-01, -1.6345e-01,
        -1.2630e-02, -1.0229e-01, -8.6991e-02, -1.9972e-01, -9.4505e-02,
        -6.9251e-02, -3.5592e-02, -2.3833e-02,  1.4249e-01,  1.0777e-02,
        -8.2934e-03,  4.1603e-02,  1.4415e-01,  2.0302e-03, -1.9773e-02,
        5.8521e-02,  5.7831e-02,  1.0655e-01,  1.3173e-01, -1.5939e-02,
        -9.8838e-02,  2.3328e-01, -1.4490e-02, -2.0462e-01,  4.8626e-02,
        1.2994e-02,  2.0404e-02, -1.8918e-01, -2.6354e-03, -4.3941e-02,
        -6.8872e-02, -8.4971e-02, -1.1843e-01,  2.5629e-01,  2.3769e-01,
        -1.0851e-01,  5.7724e-02,  6.2135e-02, -1.5391e-01,  6.0400e-02,
        1.6005e-01,  3.8927e-02, -2.5112e-02,  6.5088e-02,  1.3399e-01,
        2.7657e-01,  3.2230e-01,  2.9488e-02,  8.7806e-02,  1.8005e-01,
        -5.2180e-02,  1.9484e-01,  4.5624e-02, -7.6166e-02,  1.7555e-02,
        1.6190e-01, -1.2552e-01,  1.2122e-02, -1.8333e-01, -4.9721e-02,
        -1.7242e-02, -8.9524e-02,  4.1913e-03,  2.7650e-01,  1.3006e-01,
        1.8570e-01,  9.1366e-02,  6.6497e-02, -1.1738e-02,  1.9675e-01,
        1.1624e-01,  9.1289e-03,  7.5097e-02,  8.5604e-02, -2.2670e-02,
        8.2095e-02,  8.1453e-02, -9.0556e-02,  1.1928e-01,  3.3512e-02,
        -1.0200e-01, -1.3220e-01, -2.6363e-02, -1.3118e-01,  4.1008e-02,
        8.8823e-02, -2.9119e-04, -2.5160e-02, -4.4218e-02, -1.0727e-02,
        7.5761e-02,  6.2095e-02,  6.7960e-02, -1.5589e-02, -4.2077e-02,
        -5.3683e-03,  3.1036e-02, -1.1984e-01, -7.1908e-02,  1.4623e-02,
        2.3452e-02,  3.0338e-02,  1.5026e-01,  1.0712e-01, -1.1898e-01,
        -1.4534e-01, -2.9020e-02,  1.2002e-01,  8.2424e-02,  1.1545e-01,
        1.0499e-01,  1.6803e-03,  3.0750e-03,  9.6863e-03,  1.5386e-01,
        -1.2328e-01,  3.2893e-02, -2.9987e-02,  6.5964e-02,  1.1789e-01,
        6.9440e-02, -2.2481e-02, -1.2498e-01, -1.3901e-01,  9.2128e-04,
        -6.0701e-02, -4.0166e-02,  4.6902e-02, -1.1390e-01, -7.3110e-03,
        -2.8876e-02, -2.6905e-01,  1.9980e-01,  8.7112e-02,  6.1573e-02,
        6.2341e-02,  3.5430e-01,  2.3654e-02, -4.6383e-02, -4.8087e-02,
        -1.2668e-01,  7.0528e-02, -5.5882e-02, -8.8887e-02, -2.7389e-01,
        1.2692e-01,  5.0662e-02, -1.3952e-01, -9.5754e-02, -4.2366e-01,
        3.6778e-02, -4.3754e-01,  4.6267e-02,  6.9500e-02,  1.0863e-01,
        4.8320e-02, -1.0817e-01, -7.9445e-02, -2.0023e-02,  1.4547e-01,
        2.8785e-01,  5.1292e-02, -1.8926e-01, -5.1648e-01, -4.2131e-02,
        2.0062e-02, -1.4652e-01, -1.2021e-01, -3.9686e-01,  5.5563e-02,
```

-2.0876e-01, 5.5284e-03, -1.0363e-01, 4.0838e-01, -2.6152e-01,
2.3375e-01, -1.7597e-01, 7.2026e-01, 4.3937e-01, 5.0428e-02,
2.9583e-01, 6.6847e-02, 1.2752e-01, -1.3679e-01, -3.9528e-01,
4.0805e-02, -3.4060e-01, -9.7405e-02, 5.7400e-02, -8.4006e-02,
-5.0344e-01, 2.7558e-02, -2.4146e-01, 1.1084e-01, 1.1943e-01,
-6.9453e-02, 2.8407e-02, -1.0231e-02, -5.5886e-02, 5.0288e-03,
-8.9344e-02, -1.7431e-01, 9.8869e-02, -4.6246e-02, 8.5812e-02,
-2.1774e-02, -1.1057e-01, 1.3558e-01, -8.3125e-02, -7.0705e-02,
-1.3335e-01, 3.0787e-02, 1.9935e-01, 4.5558e-02, 5.2302e-02,
8.8266e-02, 3.9426e-02, 4.7399e-02, -1.6267e-02, -1.2995e-01,
4.8652e-02, 9.1066e-02, -1.1341e-01, -1.3192e-01, 4.1332e-03,
-1.8525e-02, 5.1814e-03, -4.6747e-02, 5.1001e-02, -3.5069e-02,
1.4285e-01, 1.5066e-02, -6.2605e-02, -1.7140e-01, -9.2056e-02,
1.2819e-02, 1.6539e-01, -1.0838e-02, -9.4410e-02, 1.0931e-01,
-8.8352e-02, 1.3144e-01, 1.5968e-01, -1.7379e-03, 1.3585e-01,
1.7564e-02, -5.3943e-02, 6.4310e-02, 5.2855e-03, -6.3372e-02,
4.9188e-02, 2.0092e-02, -8.5771e-04, -3.5525e-02, 1.1667e-01,
-1.2925e-01, 6.2949e-02, -1.7976e-01, -8.2952e-02, -3.4186e-03,
-1.1849e-01, 1.6665e-02, 7.1317e-03, -5.9136e-02, 6.0002e-02,
-8.4784e-02, 3.0651e-02, 1.8874e-02, -2.1029e-02, 1.0555e-01,
5.8643e-03, 3.8726e-02, 5.5391e-02, -8.2160e-02, -9.8078e-02,
-2.1181e-02, -2.7715e-02, 8.4103e-02, 3.1801e-04, 8.6613e-02,
3.8538e-02, -1.8621e-02, -2.6100e-02, -6.5049e-02, -7.5223e-02,
-3.4268e-02, 9.1590e-02, -1.0179e-01, 1.0035e-01, -8.1186e-02,
1.3804e-01, -3.0011e-03, 2.2513e-03, -8.5017e-02, 6.1764e-02,
-6.2856e-02, 5.5308e-02, -2.9629e-02, 5.3533e-02, 8.9508e-02,
3.3077e-02, -2.7494e-02, 5.2827e-02, -3.4150e-02, -4.4014e-02,
-1.3023e-01, -5.7817e-03, -1.4170e-01, -2.1534e-02, 2.7009e-03,
-7.1785e-03, 8.5740e-02, -9.9278e-02, 6.1755e-02, 3.5443e-03,
8.2864e-02, 1.5104e-01, -1.4494e-02, 3.9658e-02, 2.1259e-02,
5.8999e-02, 2.8687e-02, -1.5019e-01, -9.5912e-02, 8.4074e-03,
-5.7883e-02, -5.8454e-02, 2.1589e-01, -2.7900e-02, 4.2442e-02,
1.9899e-01, -4.9410e-02, 2.2129e-03, -8.7299e-02, 5.3258e-02,
-5.1709e-02, 4.4184e-02, -2.3738e-02, -3.7480e-02, 1.6776e-01,
-1.6438e-02, -2.4631e-01, 2.1519e-03, 1.3987e-03, -1.4999e-01,
-1.8039e-02, 2.0968e-01, 1.3738e-01, 2.7636e-02, 1.5898e-01,
1.1792e-01, -1.3446e-01, -1.6265e-01, 1.0631e-01, -1.1393e-01,
8.1566e-02, -1.0917e-01, -6.7118e-02, -2.7387e-02, -2.6747e-02,
-1.3353e-01, -1.0812e-01, 1.6311e-02, 1.1895e-01, 7.3278e-02,
4.1026e-02, 9.6230e-02, 7.5050e-02, -4.5879e-02, -4.4101e-02,
-1.7139e-01, 4.7866e-03, 9.8909e-02, 7.5613e-02, -8.5014e-02,
-1.1211e-01, -7.9690e-02, 4.2710e-02, -4.1666e-02, 9.5691e-02,
1.1449e-01, -1.2541e-01, -1.3323e-01, 8.0503e-02, -8.7395e-02,
-1.1259e-02, -2.4893e-02, -6.4330e-02, -3.7980e-02, 3.9645e-02,
-6.0785e-02, -3.3377e-02, 6.4211e-02, -1.0372e-02, -5.0954e-02,
-2.8689e-02, 7.8341e-03, 2.9648e-02, 3.5384e-02, -4.2162e-02,
3.6910e-02, 3.2020e-02, -1.6952e-02, 5.0316e-02, 2.0323e-02,
-4.8110e-02, 2.2535e-01, 2.6321e-02, -8.5546e-03, 4.2284e-03,
-5.0000e-02, -4.7377e-03, 4.3158e-02, -2.0408e-02, 7.5285e-02,
1.7215e-02, -5.4464e-02, 4.7505e-02, -1.8678e-02, 3.6155e-02,
2.9192e-02, 1.1364e-01, 2.4993e-02, 9.9018e-03, 1.7428e-02,
-2.5653e-02, -4.5329e-02, -2.5817e-02, 1.3135e-02, 3.9333e-02,
5.1856e-02, 1.5527e-02, -2.3147e-02, -7.0084e-02, -6.1156e-02,
-5.5421e-02, -7.7210e-02, 7.9126e-03, -1.4058e-02, -9.3428e-03,
-1.8565e-02, -1.3511e-02, 6.3294e-02, 1.7819e-01, 5.2085e-02,
3.2152e-03, -6.4969e-02, -2.5895e-02, 3.9012e-02, 3.1843e-02,
-1.2582e-02, 3.2971e-02, 1.1987e-03, 6.1827e-02, 1.6532e-01,
-1.1683e-02, 2.5699e-02, -2.2384e-02, 1.0452e-01, 7.7551e-02,
-1.5006e-02, -9.7208e-02, 4.0542e-02, -2.3392e-02, 8.1790e-03,
-2.4080e-02, -8.1093e-03, -9.7983e-02, 3.2885e-02, 4.1151e-03,

```
-2.1503e-02,  7.4147e-02, -2.2409e-02, -1.6768e-02, -3.4953e-02,  
-7.1823e-02, -3.2116e-02,  3.0610e-02,  5.8566e-02,  1.5324e-02,  
-3.7572e-02, -6.9263e-02, -7.0283e-02,  7.9430e-03, -4.7494e-02,  
 1.2460e-02, -1.8665e-02,  8.8402e-03,  6.0332e-02,  1.3899e-01,  
 6.5452e-03, -1.0796e-02, -1.0415e-02,  2.1566e-03, -6.4148e-02,  
 3.1573e-02, -4.1488e-02, -1.0442e-02, -6.9347e-02, -7.6501e-02,  
-1.1538e-01, -1.2627e-02, -6.0745e-02, -6.9314e-02, -2.5989e-02,  
-1.1907e-02, -8.9671e-03,  2.2280e-02,  2.9352e-02,  4.9087e-02,  
-5.3476e-02, -5.4330e-05, -6.6860e-02, -1.1245e-02,  7.0764e-02,  
 7.2045e-02,  6.1463e-02, -4.8606e-02, -3.4828e-02,  2.1790e-01,  
 7.4508e-02,  2.0759e-01, -1.6788e-03,  1.1015e-01,  4.1765e-02,  
 2.8167e-02, -1.6610e-01, -4.4058e-02, -1.0716e-01, -1.8868e-01,  
-1.8236e-01, -1.0785e-01,  3.3435e-02,  2.5243e-02, -3.3538e-02,  
-1.5443e-02, -3.2034e-02, -2.2587e-01,  4.1537e-02,  2.8019e-02,  
 8.4692e-02, -2.2838e-01,  1.6284e-02, -7.1626e-02,  2.2311e-02,  
-1.5649e-01,  2.8420e-03, -1.5706e-01,  3.0887e-02, -2.3383e-01,  
 2.0715e-01,  1.1177e-03,  1.5629e-01,  1.5305e-01, -9.4495e-02,  
-2.5974e-02,  3.7655e-02, -2.5552e-02, -2.9170e-02,  6.9230e-02,  
 5.5634e-02, -8.4113e-02,  9.5809e-02,  1.3980e-01,  1.1576e-02,  
-9.7588e-02,  2.3805e-01, -4.4918e-02, -1.0779e-01,  5.2189e-02,  
 1.6791e-01, -1.1561e-01, -1.2794e-01, -1.7764e-01,  1.0669e-01,  
 8.7502e-02,  6.0901e-02,  2.4293e-02,  2.1644e-02,  1.5282e-01,  
-1.1321e-01,  2.6989e-01,  3.6351e-01, -2.0044e-01,  2.6642e-02,  
 2.1898e-02, -1.0832e-01,  9.6440e-02,  1.9814e-01,  8.8454e-02,  
-2.8550e-01, -1.0446e-01,  1.5476e-01, -1.8910e-01,  2.3235e-01,  
-1.3034e-01,  3.2813e-02, -1.8760e-01,  2.4831e-02, -1.2973e-01,  
 2.2618e-01, -2.0214e-01, -4.6328e-02, -8.5396e-02,  2.2762e-01,  
-3.3130e-02, -1.9810e-01,  7.7975e-02, -2.6213e-01, -2.0492e-01,  
 2.8504e-02, -6.0568e-02,  2.9688e-02,  2.0842e-01,  4.0288e-02,  
 2.3007e-03,  1.1816e-01,  1.7918e-01, -1.3212e-01,  8.6983e-02,  
 2.0455e-02,  2.3886e-01, -4.3839e-02, -4.7444e-03,  3.1224e-02,  
 6.2164e-02,  1.9509e-02, -1.9739e-02,  2.8864e-01,  3.5767e-03,  
 3.9083e-02,  5.6608e-02, -1.6311e-01,  1.1431e-01, -6.0088e-02,  
-5.4197e-02, -2.9643e-01, -1.0657e-02,  1.4270e-01,  1.7752e-01,  
 1.1061e-01,  1.6530e-01, -6.9250e-02], device='cuda:0')
```

Out[25]: Parameter containing:

```
tensor([[ 0.0262,  0.0069, -0.0306, ...,  0.0125,  0.0183, -0.0239],  
        [-0.0403, -0.0317, -0.0361, ...,  0.0096, -0.0266,  0.0278],  
        [ 0.0280, -0.0351,  0.0043, ..., -0.0075, -0.0013, -0.0147],  
        ...,  
        [-0.0466, -0.0367,  0.1153, ...,  0.0202, -0.0092, -0.0506],  
        [-0.0392, -0.0867,  0.0300, ...,  0.0292, -0.0075, -0.0022],  
        [-0.0270, -0.0605,  0.0733, ..., -0.0400, -0.0360, -0.0038]],  
device='cuda:0')
```

Out[25]: Parameter containing:

```
tensor([-8.1110e-02, -1.1651e-01, -1.0583e-01,  1.4707e-02,  4.8957e-01,
        -3.8439e-02,  7.7583e-02,  1.3569e-02,  9.0284e-02, -2.8385e-02,
         8.0343e-02,  2.5299e-02,  4.5338e-02, -6.3424e-02,  3.2785e-02,
         2.4882e-02,  1.1313e-01,  6.0815e-02,  1.3370e-01,  4.4118e-03,
        -1.7558e-02, -2.6264e-02, -8.7204e-02,  6.1650e-02, -5.9251e-03,
         5.0306e-02,  1.2971e-02, -1.2277e-01, -8.9422e-02,  1.9851e-02,
        -5.3439e-02,  9.4652e-02, -4.6711e-02, -1.0171e-01,  1.4890e-01,
        -1.3676e-01,  7.6246e-02,  1.1469e-02, -1.1938e-01, -7.9566e-02,
         1.0835e-02, -7.8787e-02, -5.6033e-02,  6.4774e-02, -3.4966e-03,
         2.4700e-01,  3.3380e-02,  2.8176e-02,  1.5776e-03,  8.2576e-02,
        -6.6980e-02, -3.0523e-01,  2.4600e-01, -3.2138e-02, -3.2871e-02,
        -5.0248e-03,  2.6723e-01, -7.1579e-04,  1.6983e-01,  2.6137e-02,
        -3.7049e-02,  4.9217e-02, -1.9022e-01,  8.4165e-02, -2.9692e-02,
         2.9787e-02,  6.7594e-03, -3.4576e-02, -2.0070e-02,  1.6846e-01,
        -9.9130e-03, -1.8424e-02,  1.7465e-01, -7.3671e-02,  5.4588e-03,
         1.5569e-01,  8.2218e-02,  6.7494e-02, -1.8070e-01, -8.5782e-03,
        -9.8492e-02,  7.4114e-02,  1.6630e-01, -1.0766e-01, -1.8758e-01,
        -9.9053e-02,  1.0873e-02, -3.3088e-01, -1.7240e-01,  1.6439e-01,
         9.1434e-02, -7.5508e-02,  8.0256e-03,  3.7264e-02, -1.9486e-01,
        -2.1436e-03,  9.9836e-02,  7.4961e-02,  5.3076e-02, -3.2899e-02,
         1.4596e-01,  6.4511e-04,  4.5598e-02,  6.7387e-02, -1.6997e-01,
         1.0774e-01,  2.4252e-02, -1.2799e-02, -3.1771e-02,  2.1259e-02,
        -1.3241e-01,  3.7190e-02,  4.5603e-02,  1.4474e-01,  9.5418e-02,
        -8.4719e-02, -3.7067e-02, -6.3240e-02, -1.7127e-01,  5.9934e-03,
         6.5828e-02,  9.7572e-02, -7.3561e-02, -6.2933e-02, -3.0657e-02,
         1.6325e-01,  3.5796e-02,  1.0691e-01, -3.8502e-02,  3.8659e-02,
         7.7942e-02, -3.1887e-02,  5.8518e-02, -8.7641e-02,  3.5339e-02,
         6.3802e-02,  3.4003e-01, -1.8415e-01, -1.5310e-02,  6.4088e-03,
        -3.5078e-02,  3.3707e-02, -9.9103e-02,  5.3856e-02, -3.9281e-02,
         1.3088e-01, -9.1673e-03, -3.5898e-02, -6.6256e-03,  2.4267e-02,
        -1.0322e-01,  1.0505e-01, -1.0998e-01, -1.9721e-02,  5.0419e-02,
        -1.3889e-02, -9.5422e-03, -8.2096e-03, -4.1921e-03,  4.2620e-02,
        -3.5537e-02, -4.9689e-02, -4.0378e-02,  1.1500e-01,  5.1741e-02,
        -1.0195e-01, -5.5127e-02, -5.8505e-02, -3.2540e-02, -1.4167e-01,
        -2.8235e-02,  2.3102e-02,  4.9180e-02, -1.1110e-01, -1.2847e-01,
         1.0510e-01, -6.4843e-02, -6.2156e-02, -4.2873e-01, -2.0964e-03,
        -1.2340e-01,  2.4614e-02,  3.2679e-02,  4.1800e-02,  2.5427e-02,
         6.2922e-02,  1.3799e-01,  2.0920e-02,  1.8228e-02, -1.7694e-02,
         7.8707e-02,  8.0358e-02,  6.8785e-02,  2.0065e-01, -1.7154e-01,
        -1.2945e-01,  1.9690e-01, -1.2091e-01,  1.6194e-01, -4.4909e-02,
         3.9990e-02,  8.1187e-02, -5.7447e-02,  6.2270e-02,  8.2371e-02,
         1.4420e-01, -4.1063e-02,  2.9709e-02, -1.2908e-01, -5.3681e-02,
         4.8873e-02,  2.2385e-01,  3.0927e-02, -3.1740e-02, -6.9939e-02,
        -2.0284e-01,  6.6183e-02,  5.5523e-02,  9.9034e-02, -8.5725e-02,
        -9.6640e-02,  4.9275e-03,  4.2543e-02,  8.1299e-02,  3.8230e-02,
        -9.6558e-02, -7.7401e-02,  1.0669e-01, -4.3621e-02,  1.4337e-02,
         1.6900e-02,  1.4276e-03,  7.5196e-02, -5.0308e-02,  2.5465e-02,
        -2.1458e-02,  9.3863e-02, -1.0968e-01, -4.7790e-03,  2.1084e-01,
        -5.8977e-02,  2.0495e-01,  8.9651e-02, -2.2367e-01, -1.0924e-01,
        -6.5083e-02, -8.2551e-02, -6.6489e-02, -1.1086e-01, -1.5248e-01,
         1.4160e-01, -7.1554e-02,  7.5080e-02, -2.4803e-01,  1.8320e-01,
        -5.1189e-02, -1.8992e-01,  1.5111e-01, -8.0249e-02,  6.6273e-02,
        -5.5829e-02, -1.8524e-02,  2.6278e-02, -1.6397e-01,  7.2518e-02,
        -4.6269e-03,  1.5933e-02, -4.3058e-02,  7.8759e-02, -2.8684e-02,
        -2.0318e-02, -1.5456e-01, -9.8665e-02, -5.2656e-02, -4.8419e-02,
         3.3298e-02, -3.5602e-02, -1.8736e-01,  1.0028e-01, -4.2318e-02,
         2.9268e-02, -8.3518e-02, -1.4576e-02,  1.6681e-02,  8.8268e-03,
        -2.4077e-02, -2.3670e-02,  7.8020e-03, -9.0401e-02,  1.0347e-01,
        -1.1782e-02, -8.5332e-02,  4.4297e-01,  1.0532e-01, -3.3097e-01,
```

9.1313e-02, 1.0192e-01, -6.5787e-02, 8.2438e-02, -9.2258e-02,
3.5215e-02, -6.5371e-02, 1.1214e-01, -3.4609e-02, 1.5498e-01,
2.2625e-02, 8.1562e-02, 1.8106e-02, -8.6649e-02, 1.5479e-01,
5.5032e-02, -1.7837e-01, 4.8457e-03, 4.1547e-01, 1.0787e-01,
-4.9839e-01, -2.7250e-02, 5.2063e-03, -1.6457e-01, -1.4994e-01,
-6.0171e-03, -9.3023e-02, 1.0133e-02, 1.6758e-01, -2.0605e-02,
-1.2173e-01, -8.0593e-03, 5.5544e-02, -1.0562e-02, -2.5585e-02,
9.0930e-02, -1.0489e-01, 5.8959e-02, -7.0543e-02, 2.4302e-01,
-1.2808e-01, 7.9466e-02, -6.4845e-02, 6.6667e-02, -1.4842e-01,
-7.0879e-02, -1.4948e-01, 9.1370e-02, 9.5317e-02, 6.6858e-02,
-1.1941e-01, 7.3949e-04, 2.0684e-01, 2.4491e-02, 1.1916e-02,
-7.4899e-03, -5.7138e-02, -1.7262e-02, 7.4304e-02, -9.6996e-03,
5.7785e-02, 2.2476e-01, 1.8989e-02, -7.9938e-03, 5.0720e-02,
-3.8483e-03, 3.3446e-02, -4.2553e-02, 4.0872e-02, -9.7122e-02,
-4.9048e-02, 2.3647e-02, 7.1373e-02, -2.3577e-01, 9.9693e-02,
6.9312e-02, 2.0345e-01, -1.7399e-01, -1.7710e-01, -1.4407e-01,
-1.3676e-01, -5.8087e-02, 1.2378e-01, 1.1539e-02, -7.3567e-02,
-3.9516e-02, 1.5529e-01, 8.8546e-02, 1.2801e-02, -6.2829e-02,
4.3292e-02, 3.6562e-02, 2.7935e-02, -6.0135e-01, 1.9083e-02,
1.0086e-01, 5.5644e-02, 2.1176e-03, 1.0428e-02, -9.4042e-02,
1.8750e-02, 1.1900e-01, -4.4274e-02, -1.8003e-02, 7.0341e-02,
1.1169e-02, -8.3472e-02, 6.1513e-02, 8.4726e-02, 1.2067e-03,
-8.8670e-02, 2.7526e-01, 1.5168e-01, 5.9197e-02, -3.6153e-02,
3.0626e-02, -3.4352e-02, -9.8182e-02, -1.2171e-01, -3.8531e-02,
1.2938e-01, -1.3824e-01, -2.5177e-02, -2.4171e-01, -9.4558e-02,
1.1383e-01, 2.2266e-01, -1.0148e-01, -6.9592e-02, 1.7162e-01,
1.8639e-01, 1.6250e-01, 7.1467e-02, -1.6251e-01, 4.6123e-02,
-1.4414e-02, 1.4976e-01, -1.4751e-01, -3.2379e-02, 4.0717e-02,
5.4288e-03, -1.6211e-01, 8.3392e-02, 9.5824e-02, -4.0853e-02,
7.4266e-02, 4.1159e-02, -9.2410e-02, 1.0580e-01, -4.8212e-02,
1.3684e-01, 5.8954e-02, 4.1206e-03, -1.5171e-01, 1.5024e-02,
-6.7565e-02, 1.1843e-01, -1.8198e-01, 3.9724e-02, -5.3534e-02,
1.1766e-01, -2.3459e-02, 1.6734e-01, -7.1708e-03, 5.0731e-02,
-8.6179e-02, 4.5641e-03, -7.3667e-02, -1.7381e-01, 6.0328e-02,
8.4810e-03, 2.3457e-03, -1.6561e-01, 1.2544e-01, -3.4046e-01,
4.5892e-02, -9.5642e-02, 2.0506e-01, 7.8239e-02, -2.9363e-02,
3.9524e-02, 7.0872e-02, -6.0507e-02, -7.3811e-03, 3.3798e-02,
4.7217e-02, 1.8170e-01, 8.3727e-02, -1.8422e-02, 9.4186e-02,
-3.3783e-02, 1.6998e-01, -5.0512e-02, -4.1208e-02, 5.3009e-02,
-8.4727e-02, 1.1427e-01, 2.2234e-03, 2.6585e-01, -9.4058e-02,
2.1055e-02, 8.5690e-02, 1.2510e-01, 2.2129e-01, -7.7985e-02,
-7.7088e-02, 2.0011e-01, -2.8115e-02, -2.1480e-01, -3.3251e-02,
1.9239e-01, 1.3052e-01, 2.6839e-01, -9.7002e-02, 1.1435e-01,
9.7759e-02, 2.9957e-03, -1.4233e-01, -3.4861e-01, -1.7541e-02,
-5.6241e-02, -2.0488e-01, 1.0333e-01, 1.4128e-01, -5.2508e-02,
9.3505e-02, 2.1499e-01, 3.3609e-03, -4.6338e-02, -7.7248e-02,
9.7722e-02, -3.1890e-01, 7.7070e-02, 1.1610e-01, -4.0182e-02,
-6.6033e-03, 2.4852e-01, -1.7957e-01, -7.4319e-03, 2.8140e-02,
4.9255e-02, 1.4646e-01, 8.9482e-02, -1.4241e-01, 6.6814e-02,
-1.1636e-02, 3.2435e-02, 1.6272e-02, 4.0454e-02, 3.0146e-02,
-9.0260e-03, -7.5190e-02, -7.7137e-02, 7.9374e-02, 8.2176e-05,
-5.3831e-02, 2.7947e-02, -1.7673e-02, -3.5720e-02, 5.6866e-02,
-1.0722e-01, 5.4122e-02, -8.7146e-02, 1.6260e-01, 1.0764e-01,
-7.5589e-02, 3.2814e-02, -6.6459e-02, 1.7876e-01, 7.7065e-02,
7.7617e-02, -3.3657e-02, -8.1730e-02, 9.2982e-03, -1.9136e-02,
4.7838e-01, -4.3359e-01, 7.6659e-03, -3.5503e-01, -3.6812e-02,
-1.8972e-01, 4.5127e-02, 5.5613e-02, 9.7598e-02, -6.0734e-02,
1.2084e-01, 4.9183e-02, -8.6868e-03, -9.1164e-03, 6.5814e-02,
2.6477e-02, 2.2338e-01, 8.0699e-02, 4.0196e-02, 1.7080e-02,
3.0763e-02, -9.8307e-02, 1.0892e-01, 1.4246e-01, -7.4501e-02,

7.6992e-02, 9.1396e-02, 1.1526e-01, 5.2695e-02, 6.8525e-02,
-3.2288e-02, 2.7900e-02, 6.2344e-02, -3.5631e-02, 3.3946e-02,
1.0995e-01, 4.8599e-02, 1.7067e-02, -4.9861e-02, 2.5911e-02,
-1.2617e-01, 9.0116e-02, 4.0355e-02, 4.7325e-02, -1.5588e-02,
1.7611e-02, 2.3572e-01, 7.6610e-02, 1.4692e-01, -2.2136e-02,
-5.9031e-02, 1.3384e-01, 1.0011e-01, -1.4027e-01, 5.1319e-02,
8.2733e-02, -1.0883e-01, 1.7965e-02, 8.0482e-02, -2.6136e-01,
2.4949e-03, -1.7941e-02, -5.7780e-02, 5.5281e-02, -6.5207e-02,
-8.9317e-02, 9.4748e-03, -2.6892e-01, -2.4342e-03, 1.3036e-01,
1.0752e-01, -4.2832e-02, 3.3680e-02, -4.7508e-02, -2.5142e-01,
4.0062e-03, 1.2803e-01, -2.9464e-01, 3.0840e-02, -8.9374e-04,
-9.1703e-02, -1.1356e-01, -1.7714e-01, -6.3136e-02, -7.7263e-02,
1.1279e-01, 8.3438e-02, 1.8999e-01, -1.0339e-01, 4.8407e-02,
-1.9857e-01, 9.8752e-02, -3.8705e-02, 9.1898e-02, 1.0491e-01,
2.2489e-04, -2.4902e-01, 8.8421e-02, 6.3650e-02, 1.1098e-02,
4.6666e-02, -5.3391e-02, 1.2368e-01, 1.3268e-01, -3.2992e-02,
-4.4715e-02, -2.1369e-02, -1.0094e-01, 2.9980e-03, -8.6673e-02,
-1.5764e-01, -4.5078e-02, -1.1292e-01, 7.8631e-02, -6.2633e-02,
2.9768e-02, 1.1749e-01, -2.0814e-01, -2.3948e-01, 1.0818e-01,
1.4466e-01, -9.2089e-03, 3.5011e-02, 6.5878e-03, -4.6567e-02,
-7.4318e-02, 4.9489e-03, 4.2707e-03, -3.0612e-02, -1.9486e-02,
3.9623e-03, -1.4148e-01, -3.1318e-01, -3.0015e-03, -1.2101e-01,
5.2217e-02, -1.8251e-02, -1.8431e-01, -1.6740e-02, -1.5308e-02,
7.6651e-02, -1.1136e-02, -1.3942e-02, -2.0788e-02, 2.4093e-03,
-5.1208e-02, -1.0195e-01, 4.8157e-03, -1.7965e-01, -3.2254e-02,
-6.9727e-02, -3.2327e-02, -2.6204e-02, 5.8889e-02, 6.0333e-02,
1.5450e-01, 9.5107e-02, 6.6457e-02, 1.9962e-01, -4.9191e-02,
-4.8928e-02, 3.9513e-02, 1.3184e-01, -1.9908e-02, -7.9322e-03,
-9.1749e-02, -8.2394e-02, 1.7242e-02, 7.8068e-02, 7.6518e-02,
5.7528e-03, -5.8879e-02, -1.2218e-02, 4.4384e-02, 1.9963e-02,
5.9085e-02, -5.6604e-02, -2.5670e-02, -7.5889e-02, -5.0850e-02,
3.7256e-02, 5.2295e-02, 1.0227e-01, -2.1886e-02, -1.0641e-01,
-1.1624e-01, -3.4358e-01, 4.9700e-02, -1.7640e-01, 7.3812e-02,
-1.9045e-02, 1.1115e-01, 3.1349e-02, -5.1758e-02, -5.2746e-03,
-2.3342e-01, -2.0168e-01, -3.9202e-02], device='cuda:0')

Out[25]: Parameter containing:

```
tensor([0.7352, 0.6761, 0.7091, 0.6603, 0.6449, 0.6533, 0.6742, 0.6583, 0.6344,
        0.6464, 0.7124, 0.6689, 0.5940, 0.6607, 0.7756, 0.6354, 0.6904, 0.7162,
        0.6724, 0.6373, 0.6649, 0.6251, 0.7206, 0.6583, 0.6744, 0.6741, 0.6374,
        0.6466, 0.7323, 0.6746, 0.6273, 0.6935, 0.7038, 0.6871, 0.6600, 0.6466,
        0.6813, 0.6304, 0.6621, 0.7185, 0.6683, 0.6633, 0.7023, 0.7114, 0.6467,
        0.6609, 0.6820, 0.7130, 0.6415, 0.6671, 0.6626, 1.5000, 0.6656, 0.6815,
        0.6529, 0.6940, 0.6746, 0.6447, 0.6527, 0.6905, 0.7073, 0.6845, 0.6356,
        0.6591, 0.6707, 0.6371, 0.6675, 0.6838, 0.6310, 0.6370, 0.6205, 0.6549,
        0.6843, 0.6599, 0.6672, 0.6630, 0.6667, 0.6260, 0.6206, 0.6860, 0.7431,
        0.6398, 0.6330, 0.6732, 0.6546, 0.6959, 0.6633, 0.4524, 0.6616, 0.6441,
        0.7018, 0.6600, 0.6530, 0.6964, 0.6364, 1.2939, 0.6419, 0.6624, 0.6557,
        0.7070, 0.6345, 0.6405, 0.6749, 0.7083, 0.7078, 0.7342, 0.7001, 0.6820,
        0.6603, 0.6360, 0.7127, 0.6602, 0.6581, 0.6554, 0.6523, 0.6399, 0.6917,
        0.6521, 0.6833, 0.6583, 0.6598, 0.6861, 0.6692, 0.6506, 0.7070, 0.6232,
        0.6468, 0.6765, 0.6715, 0.6676, 0.6578, 0.6676, 0.6596, 0.7012, 0.6869,
        0.7034, 0.6726, 0.6990, 0.6760, 0.6804, 0.6999, 0.7381, 0.6663, 0.6796,
        0.6727, 0.6461, 0.6578, 0.6748, 0.6910, 0.6232, 0.6951, 0.5980, 0.6854,
        0.6644, 0.6589, 0.6627, 0.6740, 0.6989, 0.6437, 0.6670, 0.6282, 0.6484,
        0.7066, 0.6931, 0.6339, 0.6813, 0.6875, 0.6536, 0.6732, 0.6200, 0.5646,
        0.7025, 0.6451, 0.6955, 0.6551, 0.6804, 0.6859, 0.6675, 0.6144, 0.7303,
        0.6725, 0.7129, 0.6575, 0.7056, 0.6167, 0.6687, 0.6281, 0.6872, 0.4701,
        0.7199, 0.6862, 0.6649, 0.9549, 0.6916, 0.6245, 0.4737, 0.6668, 0.6922,
        0.6520, 0.6519, 0.6631, 0.6710, 0.7323, 0.6644, 0.6565, 0.6676, 0.6169,
        0.6322, 0.6582, 0.6837, 0.6829, 0.6674, 0.7532, 0.6855, 0.6520, 0.6664,
        0.6971, 0.6288, 0.6257, 0.6946, 0.6597, 0.6865, 0.6845, 0.6422, 0.6698,
        0.6803, 0.6546, 0.6565, 0.6197, 0.7536, 0.6613, 0.6806, 0.6861, 0.6126,
        0.6456, 0.7116, 0.6702, 0.6486, 0.6237, 0.6516, 0.7021, 0.5156, 0.6494,
        0.3445, 0.6769, 0.6364, 0.6617, 0.7123, 0.6578, 0.6539, 0.6613, 0.6808,
        0.5816, 0.6295, 0.6500, 0.6532, 0.6619, 0.6489, 0.6386, 0.6385, 0.7480,
        0.6637, 0.7253, 0.6741, 0.8168, 0.5854, 0.6784, 0.6804, 0.6271, 0.6578,
        0.6373, 0.6442, 0.6892, 0.6342, 0.6653, 0.6573, 0.7122, 0.6753, 0.6612,
        0.6535, 0.6414, 0.6721, 0.6625, 0.6225, 0.6367, 0.6269, 0.6879, 0.6526,
        0.6431, 0.6685, 0.6628, 0.6747, 0.4693, 0.6706, 0.7655, 0.6231, 0.6642,
        0.6683, 0.6577, 0.6570, 0.6904, 0.6752, 0.6868, 0.6937, 0.5923, 0.6416,
        0.6032, 0.5918, 0.6614, 0.6408, 0.6182, 0.6210, 0.7253, 0.5911, 0.6362,
        0.6268, 0.6263, 0.6750, 0.6436, 0.6423, 0.6924, 0.6727, 0.7208, 0.6902,
        0.7144, 0.6697, 0.7136, 0.7388, 0.6666, 0.6974, 0.6507, 0.6262, 0.6790,
        0.7467, 0.6166, 0.6636, 0.6699, 0.7758, 0.6868, 0.6190, 0.6707, 0.7060,
        0.6896, 0.6703, 0.6221, 0.6047, 0.6384, 0.6695, 0.6703, 0.7037, 0.6943,
        0.6649, 0.6598, 0.6544, 0.6464, 0.6779, 0.5588, 0.6965, 0.6472, 0.6733,
        0.6862, 0.6592, 0.6231, 0.6803, 0.4542, 0.6484, 0.6577, 0.6708, 0.3409,
        0.6383, 0.6485, 0.6329, 0.6654, 0.6880, 0.6625, 0.6715, 0.6704, 0.6675,
        0.6739, 0.6570, 0.6609, 0.6791, 0.6497, 0.7493, 0.6440, 0.6197, 0.6653,
        0.6545, 0.5819, 0.6529, 0.6261, 0.6337, 0.6864, 0.6927, 0.6840, 0.4954,
        0.6570, 0.6426, 0.6105, 0.6590, 0.6240, 0.6099, 0.6657, 0.6490, 0.6715,
        0.7081, 0.6450, 0.6551, 0.6146, 0.7121, 0.6960, 0.6695, 0.5623, 0.6818,
        0.6367, 0.6478, 0.7030, 0.7424, 0.5601, 0.6750, 0.6123, 0.6006, 0.6885,
        0.6506, 0.6079, 0.6641, 0.6848, 0.6718, 0.6627, 0.6211, 0.6309, 0.6777,
        0.6638, 0.6415, 0.7140, 0.7220, 0.6458, 0.6249, 0.6340, 0.6572, 0.6299,
        0.6380, 0.6117, 0.6834, 0.6680, 0.5506, 0.6585, 0.6849, 0.6113, 0.6274,
        0.6708, 0.6905, 0.6709, 0.6792, 0.6755, 0.6420, 0.6268, 0.6213, 0.6473,
        0.6074, 0.6541, 0.6137, 0.6984, 0.4871, 0.6599, 0.6433, 0.6517, 0.6730,
        0.6208, 0.6089, 0.6161, 0.6566, 0.6362, 0.6408, 0.6305, 0.6488, 0.6347,
        0.6341, 0.8820, 0.8401, 0.6531, 0.6495, 0.6551, 0.6851, 0.8550, 0.6190,
        0.6511, 0.6800, 0.6335, 0.6360, 0.6371, 0.6725, 0.6800, 0.6408, 0.6491,
        0.6999, 0.6893, 0.6340, 0.6607, 0.6619, 0.6281, 0.6358, 0.6793, 0.6861,
        0.6824, 0.6951, 0.5989, 0.5498, 0.6365, 0.6796, 0.6857, 0.6396, 0.6838,
        0.7231, 0.6940, 0.6693, 0.7015, 0.6410, 0.6371, 0.6400, 0.6383, 0.6807,
        0.6761, 0.6420, 0.7299, 0.6516, 0.6066, 0.4112, 0.5739, 0.7992, 0.6526,
```

0.6576, 0.6572, 0.6808, 0.6396, 0.6525, 0.6580, 0.7211, 0.5980, 0.2320,
0.6654, 0.8539, 0.6538, 0.6741, 0.6336, 0.8343, 0.5995, 0.6448, 0.6568,
0.6625, 0.6606, 0.6548, 0.6740, 0.6217, 0.6909, 0.7018, 0.6749, 0.7079,
0.6756, 0.6979, 0.6536, 0.6490, 0.6732, 0.6470, 0.7472, 0.6574, 0.6564,
0.6630, 0.6346, 0.6583, 0.5250, 0.4915, 0.6418, 0.6655, 0.6484, 0.6702,
0.6599, 0.6765, 0.6097, 0.6658, 0.6650, 0.6505, 0.6555, 0.6963, 0.6457,
0.6632, 0.7166, 0.6307, 0.6917, 0.3192, 0.6663, 0.6974, 0.6701, 0.6731,
0.6653, 0.6570, 0.6905, 0.6712, 0.6378, 0.6865, 0.6626, 0.6663, 0.7015,
0.6530, 0.6692, 0.6542, 0.6756, 0.6357, 0.6872, 0.7121, 0.5922, 0.7032,
0.6392, 0.6824, 0.7090, 0.6704, 0.3923, 0.6837, 0.6830, 0.6768, 0.6895,
0.6483, 0.6788, 0.6672, 0.6737, 0.7145, 1.3089, 0.6669, 0.6834, 0.7028,
0.6809, 0.6501, 0.6825, 0.6862, 0.5204, 0.6609, 0.6720, 0.5226, 0.6793,
0.6609, 0.6729, 0.6344, 0.6538, 0.6521, 0.6694, 0.6460, 0.6436, 0.3506,
0.6271, 0.6898, 0.6270, 0.6401, 0.5600, 0.6418, 0.6894, 0.6334, 0.6642,
0.6629, 0.6383, 0.6041, 0.2872, 0.6367, 0.6642, 0.6520, 0.6534, 0.6597,
0.6308, 0.6687, 0.6808, 0.6578, 0.6561, 0.6435, 0.7184, 0.6310, 0.6175,
0.6874, 0.6738, 0.6367, 0.6346, 0.6444, 0.6081, 0.6545, 0.6397, 0.6646,
0.7680, 0.6464, 0.6562, 0.3429, 0.2151, 0.4077, 0.6590, 0.6702, 0.6665,
0.6283, 0.6784, 0.5974, 0.6180, 0.6516, 0.6933, 0.6556, 0.6572, 0.6638,
0.4895, 0.6429, 0.7087, 0.7381, 0.6359, 0.6921, 0.7221, 0.6823, 0.7247,
0.6330, 0.6263, 0.6660, 0.6849, 0.6171, 0.6414, 0.6928, 0.6196, 0.7271,
0.6958, 0.6928, 0.7033, 0.6489, 0.6945, 0.6373, 0.7157, 0.6619, 0.6599,
0.6568, 0.6564, 0.6749, 0.6745, 0.6705, 0.6815, 0.7353, 0.6666, 0.6620,
0.6513, 0.6575, 0.6924, 0.6365, 0.6690, 0.7030, 0.6837, 0.6777, 0.6347,
0.7237, 0.6626, 1.0226, 0.6360, 0.6776, 0.6855, 0.6555, 0.7067, 0.6571,
3.1249, 0.6481, 0.6645, 0.7025, 0.6539, 0.6694, 0.6985, 0.6802, 0.6993,
0.5107, 0.6606, 0.6689], device='cuda:0')

Out[25]: Parameter containing:

```
tensor([-5.7307e-03,  2.4714e-02, -4.9033e-02,  3.7782e-02,  3.9088e-01,
        -2.3514e-01,  6.9901e-02,  3.0390e-02, -1.2290e-01, -2.5705e-01,
         3.0041e-01, -3.6068e-01, -2.1505e-01, -8.6147e-02,  2.0510e-01,
        -2.5017e-02,  1.3778e-01, -3.8487e-02,  5.6997e-02, -1.1535e-01,
        -9.6894e-03, -6.3211e-04, -2.5285e-02, -1.0653e-01, -8.8418e-02,
        -1.0190e-01,  1.1823e-01, -6.4666e-02, -1.4642e-01,  1.8856e-01,
         8.3312e-02, -1.1608e-01, -6.4357e-02, -3.6929e-01, -1.5634e-02,
         2.1524e-01,  4.9875e-02, -1.4736e-02,  4.9900e-03,  3.2332e-01,
         4.3453e-02, -1.0886e-01, -2.2560e-02, -1.1703e-01, -5.0852e-02,
         4.2705e-02,  1.8883e-01,  2.5197e-01, -1.2050e-02, -6.8017e-02,
         1.2106e-01,  1.4111e+00, -3.4717e-02, -1.1293e-01,  1.0852e-02,
         2.1445e-02, -2.5206e-02, -7.7046e-02,  1.6905e-01, -1.1008e-01,
         3.3462e-02,  1.6547e-01, -6.2383e-02,  1.3456e-01, -2.5661e-02,
        -1.7869e-01, -2.0925e-01,  1.3186e-01,  9.0818e-02, -1.2614e-01,
        -1.5735e-02, -3.6099e-02, -1.5131e-01,  1.7860e-02,  5.9109e-02,
        -6.4030e-02,  2.3590e-02,  2.1812e-02, -3.6697e-01, -1.1866e-01,
         2.0987e-01, -1.4037e-03, -1.3366e-01,  1.0614e-01, -6.9355e-02,
        -1.4662e-01, -2.8675e-02,  3.6119e+00, -1.5292e-01, -2.9414e-02,
        -1.7748e-01, -1.5718e-01,  5.2520e-02,  2.4460e-02,  1.7126e-02,
        -1.0097e-01, -2.3113e-02, -1.6549e-01,  7.9548e-02, -1.9358e-01,
         4.7696e-01, -2.0541e-01, -8.2144e-03,  6.8997e-03,  3.6603e-02,
         1.3841e-01,  2.1428e-01, -2.1102e-02,  1.9411e-01, -1.3328e-01,
        -3.1681e-02,  3.3105e-02, -1.3513e-01, -2.3828e-02,  1.7266e-01,
        -2.2108e-01, -8.4318e-02, -1.0589e-01,  9.3881e-02, -6.4199e-02,
         1.3337e-01,  2.0399e-01,  2.2406e-01,  1.5670e-01, -1.0606e-03,
         1.6330e-02,  7.1568e-02, -7.6463e-02,  6.7182e-02, -2.0055e-01,
         3.1242e-02, -1.7079e-01, -8.2626e-02,  2.8199e-02, -2.0090e-01,
        -2.3054e-01, -1.1710e-01,  4.4046e-02, -1.3086e-01,  1.6337e-01,
         6.8360e-02, -5.2609e-02, -1.3756e-01,  5.2650e-04,  1.2735e-01,
         2.4487e-02,  9.3023e-02,  8.7267e-02,  1.2311e-01,  6.2562e-02,
        -4.4250e-03, -5.3177e-02,  2.5229e-01, -4.3518e-01,  4.2473e-02,
         1.3338e-01,  1.6950e-02,  4.7822e-02,  4.0983e-02, -3.6791e-02,
        -1.9527e-01, -6.3437e-02, -4.7256e-02,  3.1532e-01, -1.5063e-01,
        -7.1207e-02, -5.3711e-04,  1.2514e-01, -8.5337e-02, -1.7807e-01,
         2.8546e-01,  7.9970e-02, -1.4017e-02, -2.0607e-01,  5.1881e-02,
         4.2395e-02,  7.8906e-02,  1.9732e-02, -7.2553e-01, -1.9302e-01,
        -7.1698e-02, -7.0092e-02,  3.0694e-03,  1.8705e-01,  1.6727e-01,
        -6.1021e-02, -3.4621e-02,  1.6845e-01, -7.2041e-01, -1.5009e-02,
        -3.7964e-01, -8.2305e-02, -1.2769e-01, -1.5703e-01, -8.0506e-02,
        -5.0777e-01, -2.3028e+00,  7.3295e-02, -1.5473e-02,  2.2126e-01,
        -1.5660e-01, -3.5840e-01, -7.1636e-02, -3.3769e-01, -1.3743e-01,
         1.2535e-01, -1.2083e-02, -1.6900e-02, -8.7147e-02, -7.9554e-01,
         3.0243e-02, -7.3160e-02, -3.7565e-01, -1.3567e-01, -2.0654e-01,
         8.0657e-03, -2.6170e-01, -4.7522e-02, -1.2156e-01, -5.1092e-02,
         6.8404e-02,  1.0712e-01, -6.1470e-02, -1.3818e-01,  8.7481e-02,
         1.3005e-01, -9.8002e-03, -1.6540e-01, -1.1771e-01,  3.9340e-01,
        -3.6716e-02, -3.7618e-01, -2.0107e-01, -1.6134e-01, -2.1970e-01,
         2.2964e-02, -2.6648e-02, -1.0068e-01, -1.2977e-01, -7.9357e-02,
        -9.8042e-02, -3.1448e-01,  3.7618e-02, -4.1793e-01, -2.8525e-01,
         2.1660e-02, -2.2437e-01, -9.3046e-02, -1.0508e-01,  2.3002e-02,
         4.4556e-02,  4.7222e-02,  1.4996e-01, -1.0062e-01,  3.2342e-02,
        -1.8514e-01,  1.0841e-01,  1.8909e-02, -1.2633e-01,  5.1294e-02,
         5.0200e-01, -3.0101e-02,  7.0720e-02, -6.2732e-01, -1.7003e-01,
        -1.8957e-01, -1.4771e-01, -1.8217e-01, -4.9641e-02, -6.5285e-02,
         1.0011e-01,  6.0217e-02, -1.5053e-02, -3.5190e-02,  1.4081e-01,
        -1.0418e-01, -1.1409e-01, -9.9586e-02, -5.4107e-02, -2.9525e-01,
        -3.1086e-02,  4.1566e-02, -1.2262e-01, -2.1084e-01, -1.7615e-02,
         3.0603e-01,  4.4009e-01, -1.0874e-01,  9.9988e-03,  4.5548e-02,
         6.0927e-02,  1.5611e-01, -1.3929e-01,  9.2036e-02,  1.8374e+00,
```

-9.9657e-02, 2.4238e-01, -2.1484e-01, 7.9468e-02, -2.6790e-01,
1.0300e-01, 4.6753e-02, -2.5521e-01, -2.0988e-01, -1.9963e-01,
-5.8231e-02, -1.1816e-01, -9.9494e-02, -1.2872e-01, 5.8368e-02,
-1.6382e-02, -1.9226e-01, 3.2135e-02, -1.7860e-02, -6.7923e-02,
-1.5106e-01, 8.6085e-02, 5.5492e-02, -4.0294e-02, 2.1009e-02,
-1.0807e-01, -9.3531e-02, 2.2111e-03, 6.3419e-03, 8.2272e-02,
-7.0689e-02, 6.4763e-03, 5.7796e-02, 4.4340e-02, 3.1085e-02,
-1.2959e-01, 1.2934e-02, 2.6427e-02, -4.5124e-01, -2.2013e-02,
-3.3862e-02, -1.3248e-01, -4.4531e-01, 2.6873e-01, 1.3966e-01,
-8.1960e-02, 2.1586e-01, -1.3345e-01, -7.0619e-02, 2.0814e-02,
-1.1054e-01, 1.0444e-01, -1.9958e-01, -1.4298e-01, -3.1715e-02,
2.0792e-02, -2.1653e-01, 1.4052e-01, 1.3804e-01, -1.1364e-01,
-4.6247e-01, -1.6621e-01, 9.4417e-02, 1.3825e-03, 9.0841e-03,
-6.3413e-02, 1.4207e-01, -4.1911e-02, 1.7284e-01, -1.0953e+00,
-2.0042e-01, 1.3398e-01, 2.1860e-02, 1.3740e-01, -1.0339e-01,
-1.4724e-01, -2.4636e-01, -9.9785e-02, -4.3748e-02, -2.2388e-01,
-1.8883e-01, -1.1565e-01, -3.1958e-01, -2.0106e-01, -8.5089e-02,
9.5437e-02, -1.0668e-01, 5.1813e-02, 2.2337e-02, 7.3624e-02,
-7.1118e-02, -4.6757e-02, -1.0169e-01, -4.4269e-01, 1.7627e-01,
-2.4481e-03, 8.7754e-02, 2.6979e-01, -2.6831e-02, 1.5010e-01,
-2.3659e-01, -1.6603e-01, -1.2042e-01, -4.8436e-02, -3.4904e-02,
-9.5586e-02, -1.3004e-01, 6.5711e-02, 1.2305e-01, 1.9709e-01,
1.4606e-01, 9.7741e-03, -7.5990e-02, -5.7343e-02, 1.4602e-02,
-1.9754e-01, -1.4450e-01, -2.3565e-01, 1.5678e-01, -9.4529e-02,
-1.3966e-01, 6.6873e-02, 2.8363e-01, -1.4873e+00, -6.8171e-02,
-6.4045e-02, 1.1236e-01, -2.7579e-01, -1.0190e-01, -1.6284e-01,
-7.2125e-02, 1.2619e-01, 9.8777e-02, 3.9668e-02, -4.9921e-02,
-7.3422e-02, 4.4666e-02, 3.5534e-02, -1.4363e-02, -1.9861e-01,
4.4054e-01, 2.1043e-02, -1.8497e-01, 3.2724e-02, 1.3834e-01,
-4.7875e-02, -3.3821e-02, -5.2797e-02, -2.0829e-01, 2.3031e-02,
-2.0721e-01, -2.4541e-01, -1.5552e-01, -2.1511e-02, -1.1420e-01,
-8.9343e-02, -4.4197e-01, -1.0835e-01, -6.2958e-02, -5.7472e-02,
-3.4800e-02, -1.0059e-01, 1.7980e-02, 1.5765e-01, -1.2661e-01,
4.9944e-03, -8.2852e-02, -2.5441e-01, -5.9215e-01, 1.4214e-01,
-1.7525e-01, 2.1759e-02, -1.0195e-01, -1.8853e-02, -4.9369e-01,
-6.5148e-02, 1.1442e-01, -8.3981e-02, -1.0828e-02, -2.8663e-01,
-2.7229e-01, -9.3538e-02, 9.6774e-02, -1.6213e-02, -1.1244e-02,
-3.2315e-02, 5.6203e-02, 5.3313e-02, -3.2417e-01, -6.1923e-01,
3.9349e-02, -1.7805e-01, -1.0184e-01, -1.6518e-01, -1.9518e-01,
-2.8946e-02, -2.1193e-01, -1.7538e-01, -8.2114e-02, -3.9453e-01,
-1.0958e-01, -9.5391e-02, -2.1189e-01, 9.5620e-02, -3.1232e-01,
5.2607e-02, -1.2546e-01, 9.6996e-02, -1.2874e-01, 5.5451e-03,
-2.4206e-01, -7.2505e-02, -9.3047e-01, -1.1565e-01, -2.8491e-01,
1.6828e-01, 2.7052e-02, -6.5632e-02, 7.5784e-02, -1.2913e-01,
9.2543e-02, 1.5872e-01, -1.5467e-01, -3.9611e-02, 3.5691e-02,
8.8829e-02, -1.9760e-02, 1.6488e-02, 4.1051e-02, -8.4420e-02,
5.1090e-02, -2.7395e-02, 9.2825e-02, -1.4302e-03, -1.3091e-02,
-1.2485e-01, -5.0325e-02, -1.7329e-01, 2.2088e-01, 3.1623e-02,
-2.5973e-01, -2.6763e-01, 7.0598e-01, -7.0189e-02, 1.0848e-01,
1.5961e-02, -1.4917e-01, 1.6063e-02, 9.9563e-02, -1.3563e-01,
-1.2847e-01, -5.9953e-02, -3.4198e-02, -4.6695e-02, -8.3724e-04,
-9.6086e-02, -3.4365e-01, 8.9402e-02, -7.3269e-02, 8.0884e-02,
4.8260e-01, -3.5530e-01, -1.0753e-01, 1.9580e-01, -9.6469e-03,
-1.2457e-01, -7.3039e-02, -1.5939e-01, -1.4030e-01, -6.1853e-01,
3.1634e-02, -1.0350e-01, -1.2545e-01, 1.7668e-02, -7.8526e-02,
3.2825e-02, -6.1324e-02, 7.9853e-02, 4.6179e-01, -2.1857e-02,
4.7876e-02, -4.2402e-02, -1.2800e-02, 7.9743e-02, 5.6019e-02,
-8.6531e-02, -5.6311e-02, 4.3628e-02, 3.8918e-02, 1.5038e-01,
-1.8127e-01, 5.8111e-01, -1.7849e-01, 5.4159e-02, 4.0115e-02,
9.6220e-02, 5.7578e-02, -5.8955e-02, -2.3523e-01, 1.1757e-01,

```
-1.8038e-02, 1.2255e-01, 1.6141e-01, 1.2579e-01, 2.5089e-02,
2.8348e-01, -7.2841e-02, 1.7325e-02, 2.1165e-01, 1.3048e-01,
1.1408e-01, -2.4277e-01, 4.6952e-03, -5.7630e-01, -2.9304e-02,
-6.3999e-02, 9.6635e-02, -1.0692e-01, -4.7097e-03, 2.6767e-02,
-6.1652e-02, -2.1230e-01, 1.2893e-01, -5.7054e-02, 5.7380e-02,
1.9085e-01, -2.8474e-01, -1.5167e-01, -3.0234e-01, -5.0873e-02,
1.3589e-01, 5.7459e-01, -4.5964e-02, 5.7784e-02, -1.0635e-01,
-1.2555e-01, -2.2189e-02, 6.4417e-02, -6.1379e-02, 9.5494e-02,
2.1705e-02, 1.8658e-02, -1.9176e-01, -5.7541e-02, 9.9674e-02,
-1.0366e-01, 2.0890e-01, -7.9634e-02, -2.3953e-02, -9.0833e-02,
-1.3533e-01, 1.4610e-02, -2.2467e-02, -9.3404e-02, 1.0543e-01,
-8.9430e-02, -2.2836e-02, -1.5919e-01, 3.6670e-02, 2.2261e-01,
-1.4452e-01, -6.3044e-02, 2.6906e-01, 1.1838e-02, -7.7572e-02,
-2.2690e+00, 5.8581e-03, -7.3848e-02, -1.6568e-01, 1.3427e-01,
-7.6589e-02, -8.4289e-02, 1.9227e-02, 6.0525e-03, -1.1628e-01,
-2.6063e-02, -2.4801e-01, 1.1933e-01, -7.3382e-02, -1.9005e-02,
-1.4377e-01, 1.8144e-01, -7.2604e-02, 1.9758e-01, -1.5287e-01,
-2.4186e-01, -1.8278e-01, -9.0105e-02, 1.2072e-03, 3.8994e-01,
1.2749e-02, -2.8494e-01, -3.0970e-01, -2.8193e-01, 2.6001e-01,
-2.0679e-01, -1.1224e-02, -2.1700e-01, -4.0939e-02, 6.6006e-03,
-2.9367e-02, 5.7464e-03, -1.1566e-01, -1.9539e-01, -3.3593e-02,
-6.5053e-02, -3.0871e-02, -1.3896e-01, -9.3060e-02, -1.0283e-01,
-3.3164e-02, -2.1289e-02, -6.4625e-02, 5.2824e-02, 2.2436e-02,
3.3387e-01, 2.4608e-02, -2.1456e-01, -3.0068e-02, -4.8726e-02,
-2.5177e-02, -3.1752e-02, 3.2015e-02, -2.2231e-01, -6.3009e-01,
2.7044e-01, 4.6018e-02, 6.0994e-02, 1.4707e-02, -1.0457e-01,
2.7527e-01, 1.8350e-01, -2.0141e-01, -9.1927e-02, 8.7812e-02,
9.0911e-02, -2.1361e-01, -1.0908e-03, 1.1139e-01, -1.1243e-01,
7.5258e-02, -1.3782e-01, 9.4762e-01, -3.3700e-01, 1.3754e-01,
5.1064e-02, 1.4980e-01, 3.8909e-02, 3.9804e-02, 1.1519e-01,
-2.4908e-01, 5.5152e-02, 3.3005e-01, -9.8448e-03, 8.0410e-02,
-1.4983e-01, 1.1057e-01, -3.6840e-02, -1.9335e-01, 1.6663e-01,
-1.7300e-01, -7.5180e+00, -3.8927e-02, 1.7687e-02, 2.1349e-02,
5.7926e-02, -5.3263e-02, -9.8193e-02, -7.2123e-02, 3.5002e-01,
-3.7693e-01, -9.5727e-02, -5.6698e-02], device='cuda:0')
```

```
Out[25]: Parameter containing:
tensor([[ 0.0027, -0.0961, -0.0313, ..., 0.0523, 0.0359, -0.0093],
        [ 0.0062, -0.0730, 0.0805, ..., 0.0274, 0.0059, -0.0150],
        [ 0.0676, 0.0338, 0.0330, ..., -0.0077, 0.0581, 0.0194],
        ...,
        [ 0.0640, -0.0170, -0.1202, ..., 0.0371, 0.0314, -0.0571],
        [ 0.0276, -0.0298, 0.0020, ..., 0.0121, -0.0105, 0.0632],
        [-0.0004, 0.0175, 0.0155, ..., 0.0765, -0.0256, 0.0484]],
        device='cuda:0')
```

```
Out[25]: Parameter containing:
tensor([-0.0615, -0.2870, -0.0031, ..., -0.1886, -0.1573, -0.2071],
        device='cuda:0')
```

```
Out[25]: Parameter containing:
tensor([[ -0.0250, 0.0443, 0.0089, ..., 0.0724, -0.0496, -0.0448],
        [ 0.0340, -0.0116, 0.0338, ..., -0.0501, 0.0139, -0.0485],
        [ 0.0042, -0.0012, -0.0094, ..., -0.0617, -0.0785, 0.0534],
        ...,
        [ 0.0211, -0.1127, -0.0134, ..., -0.0470, -0.0111, 0.0117],
        [ 0.0495, -0.1157, 0.0435, ..., -0.0301, -0.0144, -0.0261],
        [ 0.0295, -0.0128, -0.0157, ..., -0.0643, 0.0190, -0.0234]],
        device='cuda:0')
```

Out[25]: Parameter containing:

```
tensor([ 1.1354e-01, -9.2447e-02, -4.9756e-03, -9.9342e-02,  8.8202e-02,
        -7.8708e-02,  1.5770e-01, -1.1792e-01,  1.9981e-01, -1.0190e-01,
        -1.6364e-01, -1.4100e-02,  2.7403e-02, -2.3282e-01,  1.6160e-01,
         1.2002e-01,  7.2740e-02,  1.6891e-02, -1.5116e-02,  8.7399e-02,
        -3.2515e-03,  1.9220e-01,  4.1743e-02, -1.2326e-02, -1.2708e-01,
         3.8841e-02, -1.0660e-01, -1.4959e-02,  6.1900e-02,  2.7019e-03,
        -1.7499e-01, -2.1867e-01, -1.0824e-02,  2.7658e-01,  1.1419e-01,
        -6.1389e-02, -1.4480e-01, -3.6931e-02, -6.0661e-02,  6.4855e-02,
        -1.5618e-01, -7.4378e-02, -1.3567e-01,  1.9062e-03,  1.7262e-01,
         7.1411e-02,  5.7603e-02, -8.8572e-02,  4.0687e-02,  1.0427e-01,
         8.3440e-02,  1.3071e-01, -1.6982e-01,  2.5978e-01,  2.3659e-02,
        -4.5225e-02, -1.0408e-01, -1.0574e-01, -3.6242e-02,  3.8920e-02,
         1.1467e-01, -1.1849e-01,  1.8645e-01,  4.0911e-02, -9.6831e-02,
         9.5058e-02, -1.3766e-01,  1.3058e-01, -1.2211e-01,  1.7321e-01,
         9.4011e-02,  7.4547e-02, -2.0048e-01, -1.3044e-01,  1.5737e-01,
         1.1154e-01, -1.2787e-01, -7.0412e-02,  4.4325e-01,  9.0318e-02,
        -8.8437e-02, -1.8315e-02,  1.2041e-01, -7.3629e-03,  2.2416e-01,
        -2.2109e-02, -3.7980e-02, -4.1772e-01, -7.0082e-02,  7.7221e-03,
         8.2764e-02, -2.4923e-02,  1.3381e-01, -1.3325e-01, -7.2254e-02,
        -5.2529e-02, -1.1539e-01,  7.9145e-02,  2.5177e-02, -5.2419e-02,
        -1.0058e-01,  8.6125e-02,  1.0205e-01, -6.4211e-02,  3.8655e-01,
         1.9337e-01, -1.2942e-02, -1.2926e-01,  2.2839e-02,  1.0776e-01,
        -2.0506e-01,  2.2362e-02,  4.5343e-02,  1.0674e-01,  5.0945e-03,
        -2.1740e-02, -1.0528e-01,  7.9671e-02, -7.7943e-03,  1.6300e-01,
        -8.3933e-02, -1.0298e-01, -2.3369e-01,  1.8124e-01, -1.0245e-01,
        -9.3265e-02, -8.2700e-02, -4.4110e-02, -6.6175e-02, -4.9968e-02,
         6.1919e-02, -4.5599e-02, -1.1094e-01,  3.2336e-04,  1.9237e-01,
        -4.7439e-02,  8.3610e-02, -7.0888e-02,  2.8360e-01, -3.6307e-02,
        -6.7276e-02,  1.4806e-02,  5.6335e-02, -3.1420e-02, -1.0972e-01,
         1.6244e-01,  1.3213e-01, -5.4705e-02,  5.5031e-02, -2.6543e-02,
        -6.4069e-02, -2.1926e-02,  1.7099e-01, -4.4090e-03,  1.5834e-02,
        -2.0198e-01,  7.5359e-02, -1.6727e-01, -1.2982e-01, -2.4215e-02,
         3.8688e-02, -5.1935e-02, -2.3976e-02, -6.9079e-02,  4.5908e-02,
        -1.2441e-02, -8.8926e-02,  9.3874e-03,  1.8823e-01,  1.7476e-01,
        -2.0697e-01,  9.9549e-03,  3.9935e-02, -1.0663e-01, -4.3419e-02,
        -4.8398e-02, -4.6496e-02, -2.4058e-03,  2.6256e-01,  5.6142e-02,
         4.2334e-02, -2.8302e-03,  8.4645e-02,  1.0041e-01, -1.9638e-02,
         1.5705e-01, -8.2842e-02, -2.0186e-01,  4.1816e-02,  1.3753e-02,
         1.3272e-01,  1.7125e-01, -1.4815e-01,  1.9374e-01,  3.3986e-02,
         4.3916e-01,  4.7071e-01, -6.8068e-02, -1.0869e-01, -7.4650e-02,
        -1.7725e-01,  7.8371e-03,  1.7735e-01, -4.2740e-02, -1.5523e-02,
         1.9569e-01,  1.0627e-01, -1.4356e-02,  6.4029e-02,  2.7590e-01,
         3.9443e-02,  5.3284e-02,  1.9160e-01, -7.8762e-02, -7.6845e-02,
        -2.5249e-01, -5.0614e-02, -6.4526e-02,  1.9976e-01,  4.1840e-03,
        -1.9569e-02, -1.0648e-01, -3.3690e-02, -6.7001e-02, -2.2733e-01,
        -4.5601e-02,  1.2167e-01,  3.0164e-01,  1.1013e-01,  4.6568e-02,
         1.0765e-01, -1.3161e-02,  1.5481e-02, -1.4680e-01,  8.7724e-02,
        -1.3714e-01,  1.5506e-01, -1.1801e-01, -4.8086e-02,  5.4800e-02,
         1.8413e-02,  9.3215e-02,  1.1130e-01,  8.3087e-03, -4.2123e-03,
        -4.0424e-02, -8.5122e-02,  1.0805e-01, -3.6484e-02, -2.4778e-02,
        -1.6591e-02,  3.2523e-02,  1.1230e-01, -2.6462e-01, -3.8135e-02,
         6.5718e-02, -1.0420e-01, -1.1803e-01,  1.0284e-01, -1.1906e-01,
         3.3059e-02,  5.6775e-02, -1.7835e-01,  3.2177e-01,  1.5162e-01,
        -2.2356e-02, -5.2970e-02, -3.6296e-02,  5.2867e-02, -2.5778e-02,
        -4.8112e-02, -2.3112e-01, -4.4173e-05, -1.6126e-01, -4.9069e-02,
        -5.8046e-03, -1.2801e-01, -4.5202e-02, -7.7367e-03,  1.1346e-01,
         3.2412e-02, -6.2485e-02,  1.3690e-01,  5.3648e-02,  1.0666e-02,
        -2.4248e-01, -1.2325e-01,  1.1889e-02, -1.1013e-02, -1.4133e-01,
        -1.5424e-01, -3.4339e-02, -5.0111e-02,  8.1682e-02,  3.7945e-01,
```

9.8915e-02, -2.2833e-01, 8.7616e-02, 5.3967e-02, 2.3113e-02,
-1.1792e-01, 9.7606e-02, 1.3474e-02, 3.5696e-02, 2.4029e-01,
2.0288e-02, 4.1717e-03, -4.5403e-02, 1.2894e-01, -6.7930e-02,
-5.1726e-02, -1.1182e-01, -5.9411e-02, -1.0560e-01, 1.3318e-01,
2.4287e-01, -4.5783e-02, 2.1712e-01, 3.3800e-02, -1.1668e-01,
1.8128e-02, -4.6050e-02, 2.9816e-02, 1.4680e-01, 3.2795e-02,
-1.6010e-01, 1.0208e-01, -1.8829e-01, 4.8889e-02, 7.5996e-03,
1.4237e-01, -1.0450e-01, 1.1653e-02, 3.0341e-02, -1.4200e-01,
-9.4359e-02, 1.0587e-01, 1.6396e-02, 4.0913e-02, -3.8635e-01,
-5.2600e-02, -2.1331e-02, -1.7824e-01, -1.4352e-01, 9.3288e-02,
1.4438e-01, 3.0507e-02, 5.8667e-02, 8.3424e-02, -5.3598e-03,
1.7721e-01, 2.6244e-02, 4.9624e-02, 1.4135e-01, 1.5348e-01,
1.0818e-01, 1.5905e-01, 3.5465e-02, 5.8044e-02, -2.3974e-01,
-1.2810e-01, -1.8284e-01, 1.7073e-01, -1.7901e-01, 3.3194e-01,
1.0018e-01, -1.4001e-01, -2.9310e-02, -1.1545e-01, -2.1541e-01,
1.1123e-01, 8.7737e-02, 3.8184e-02, -2.5802e-01, -4.9607e-02,
8.4616e-02, -4.1084e-03, -7.2697e-03, -4.6544e-02, 2.9508e-02,
-1.3132e-01, -5.0408e-02, -1.5493e-02, -6.4585e-02, -1.8618e-01,
1.1427e-01, -6.1478e-02, 9.7767e-02, -1.2880e-01, -4.9455e-02,
-3.5684e-02, -1.3226e-01, -6.7340e-02, 1.2218e-02, 8.4339e-02,
2.1678e-02, 5.1536e-02, 1.6551e-01, -1.2392e-01, -1.9041e-02,
-2.6969e-02, -1.2436e-01, 5.9187e-03, 1.4097e-01, -1.6725e-01,
1.4101e-01, 1.8708e-01, -1.5211e-02, 2.4761e-02, 2.9978e-03,
2.5038e-02, -1.1655e-01, 2.2980e-01, -5.5703e-02, -3.3688e-02,
-1.8064e-03, 2.7395e-02, -1.1352e-02, 4.2544e-01, 1.1998e-01,
-8.1625e-02, -1.1437e-01, -5.1070e-02, 8.0783e-02, 1.0764e-01,
1.9766e-02, 1.4621e-02, -6.0199e-02, 2.9992e-02, 7.1062e-02,
-3.9280e-02, 1.2625e-01, 1.0164e-01, 8.7607e-02, -1.6116e-01,
-1.0920e-01, 6.7231e-02, 2.0987e-01, -8.8269e-02, -1.2542e-01,
1.8469e-01, -1.6277e-01, 3.1519e-02, 8.3909e-02, -2.3965e-04,
-9.6515e-04, 7.4547e-02, 8.4922e-02, -1.2377e-01, -9.0014e-02,
1.0144e-01, 8.0379e-02, 8.4253e-02, 7.7735e-02, 2.0442e-03,
-1.4937e-02, -1.1761e-01, 5.9389e-02, -4.2215e-02, -2.6862e-01,
-2.8935e-01, 7.9288e-02, 5.3196e-02, 3.4434e-01, 4.3120e-02,
-4.7786e-02, 9.5304e-02, 2.9924e-03, 1.3232e-01, 1.1390e-01,
2.0101e-02, -5.9272e-02, 1.0244e-01, -1.7076e-01, -5.8997e-02,
3.7212e-02, -5.7903e-02, 5.8078e-02, -1.4296e-01, -1.8367e-02,
-8.5790e-02, 9.3345e-03, 1.5673e-02, 1.3134e-02, -8.4636e-02,
1.8194e-02, -1.4627e-01, -2.1527e-01, 1.0144e-01, 2.6150e-03,
-9.0967e-02, 1.4423e-01, 1.0312e-01, -6.3511e-02, 9.2713e-03,
-2.0782e-01, -1.1166e-01, -6.7801e-03, 4.9715e-02, -1.0482e-01,
-1.7401e-01, 1.3803e-01, 1.2450e-02, -1.0040e-01, -7.3256e-02,
1.1656e-01, 4.6117e-01, 2.8202e-01, 1.2380e-01, 1.3856e-01,
-7.8493e-03, 9.0322e-02, 5.4277e-02, 3.3856e-02, 1.1642e-01,
-1.8542e-02, -5.5954e-02, 1.9897e-02, 2.5852e-01, -2.0598e-01,
-3.8423e-02, -3.4022e-02, 2.5883e-02, -2.1616e-01, -8.1175e-02,
1.0965e-01, 1.3270e-01, -4.4462e-01, 5.8099e-02, 5.2187e-02,
1.2331e-01, -1.2053e-01, -1.4085e-01, 6.5216e-02, -1.6155e-01,
-1.4373e-01, 7.4212e-03, -2.9963e-01, 2.1592e-01, -2.4049e-03,
-2.0275e-01, 2.2870e-02, 1.1251e-02, 1.0137e-01, -2.9283e-02,
-1.4901e-01, -8.4548e-03, -2.7307e-02, 4.2578e-02, -1.2387e-01,
1.5380e-01, -9.1546e-02, -1.6151e-01, 1.9567e-03, 1.2024e-01,
-1.5864e-01, 3.9219e-02, -2.0536e-02, -1.2926e-02, -1.0800e-01,
1.6906e-01, 1.7351e-03, 5.6084e-02, 2.2047e-02, 1.8816e-01,
8.0715e-03, 2.4594e-02, 1.7215e-01, 3.8705e-02, -1.3810e-01,
1.3955e-03, -1.0734e-01, 4.2643e-02, -2.7155e-01, -1.8899e-02,
-6.3891e-02, -1.7986e-01, 6.5804e-02, 6.9659e-03, -6.0089e-02,
-2.1522e-02, 8.2923e-02, -4.2422e-03, -7.2792e-02, 3.3421e-02,
1.1864e-01, -2.2304e-02, 5.7379e-02, -2.9124e-02, -3.9387e-01,
-2.9354e-02, -5.1973e-03, 9.0637e-02, 1.4579e-02, -9.0923e-02,

7.5674e-02, -1.7206e-02, -2.7465e-01, 4.8059e-02, -1.1041e-02,
-2.4657e-01, 1.3019e-01, -5.8451e-02, -1.3693e-01, -2.4605e-02,
1.0071e-01, 6.4692e-02, -1.1994e-01, 1.3877e-01, -1.7389e-01,
1.0736e-01, -2.6059e-01, 5.5358e-03, -7.0865e-03, 1.2936e-01,
-2.5262e-02, 1.3920e-01, 6.0797e-02, 8.1723e-02, -6.6887e-03,
4.8319e-02, -4.0806e-02, -1.4277e-02, -3.3097e-02, -2.3297e-01,
1.8859e-01, -1.8172e-01, -7.7499e-02, 7.3951e-02, -2.4902e-01,
8.7828e-02, -7.8197e-02, -2.2744e-01, -2.3088e-01, 9.5587e-02,
-7.7657e-02, -5.3361e-02, 4.5836e-01, -4.4058e-02, -5.5788e-02,
2.5100e-02, -1.9546e-01, -5.2298e-02, 2.7545e-02, 3.4286e-02,
6.8221e-02, 4.3027e-02, 5.5664e-02, 2.1462e-01, 2.2730e-01,
1.1983e-01, -8.2901e-03, 2.2785e-01, -2.2804e-01, 1.6791e-01,
-6.8784e-02, -2.0067e-02, 7.4024e-03, -1.2437e-01, 7.5935e-03,
4.5327e-01, 5.1044e-02, -1.4413e-02, -8.5945e-02, 1.3972e-01,
-4.8194e-02, 6.0772e-02, 1.9259e-02, 1.2683e-01, -8.8464e-02,
7.4411e-02, -1.0657e-01, 1.0529e-02, -2.5870e-02, -1.1874e-02,
1.0035e-02, -9.5984e-03, -9.7256e-02, 1.1587e-01, -8.1640e-03,
-5.0212e-03, 1.0147e-01, -8.4223e-02, 1.7079e-01, -8.1096e-02,
1.1058e-01, 1.1440e-01, 1.2067e-01, 1.2137e-01, -2.1633e-01,
-6.0566e-02, 8.4888e-02, -8.8898e-03, -1.0756e-01, 1.2423e-01,
-8.1031e-02, 1.4462e-01, 7.7776e-02, -1.3824e-01, 1.1756e-01,
-2.0244e-02, 1.5942e-01, 2.8842e-01, -1.3040e-01, -2.2000e-02,
1.4841e-02, -5.9471e-02, -4.1996e-02, -7.7772e-02, 7.9397e-02,
9.7418e-02, -4.6586e-02, -7.5233e-02, 1.3853e-01, -7.7751e-02,
-1.3956e-01, -4.0816e-02, -5.1644e-02, 1.9124e-01, -1.2841e-01,
2.1423e-02, -3.3633e-02, 8.4053e-02, -2.0353e-02, 2.7551e-02,
-1.2884e-01, 1.3835e-02, 1.2760e-01, -5.7428e-02, -1.1205e-01,
-3.5200e-03, -4.4156e-02, 1.8028e-01, -6.9552e-02, -1.2921e-01,
-1.3792e-01, 2.2124e-01, -3.3309e-01, 8.6668e-02, 2.5192e-01,
7.2378e-02, -3.2164e-03, -6.0903e-02, 5.1909e-02, -2.3487e-01,
1.2488e-01, -5.2274e-02, 3.7452e-03, 7.4639e-02, 3.6447e-02,
1.1315e-01, -2.1254e-01, 4.0332e-02, -2.0574e-02, 5.6534e-02,
-5.6334e-02, 6.3822e-02, 8.4432e-02, -1.6019e-01, 4.0661e-02,
-2.7922e-01, 1.1704e-01, -3.2110e-01, -3.2016e-01, 3.4624e-02,
1.6106e-01, 3.5885e-02, -1.8317e-01], device='cuda:0')

Out[25]: Parameter containing:

```
tensor([0.8030, 0.8162, 0.8045, 0.7825, 0.5092, 0.7689, 0.7600, 0.7893, 0.7343,
        0.8487, 0.7902, 0.7760, 0.6076, 0.7805, 0.7885, 0.7596, 0.7942, 0.8169,
        0.8008, 0.7550, 0.8157, 0.7872, 0.8430, 0.7552, 0.7883, 0.8242, 0.8055,
        0.7845, 0.8441, 0.7807, 0.7278, 0.8192, 0.8587, 0.7601, 0.8079, 0.7832,
        0.7890, 0.7510, 0.7960, 0.7932, 0.8071, 0.8052, 0.8178, 0.8090, 0.7690,
        0.7675, 0.7803, 0.8026, 0.7729, 0.7886, 0.7739, 0.6954, 0.7515, 0.7729,
        0.7651, 0.7748, 0.7774, 0.7898, 0.7446, 0.8484, 0.8240, 0.7837, 0.7640,
        0.7708, 0.8294, 0.7918, 0.8013, 0.7728, 0.7498, 0.7461, 0.7631, 0.8024,
        0.8205, 0.8218, 0.8360, 0.7652, 0.7941, 0.7769, 0.6207, 0.8084, 0.7960,
        0.7826, 0.7346, 0.7892, 0.8112, 0.8408, 0.7876, 1.1625, 0.7451, 0.7357,
        0.7878, 0.7961, 0.7973, 0.7723, 0.7530, 0.2473, 0.7756, 0.8056, 0.7757,
        0.7544, 0.5488, 0.7639, 0.7779, 0.8371, 0.7602, 0.7491, 0.7913, 0.7737,
        0.7460, 0.7849, 0.8478, 0.7787, 0.7766, 0.7991, 0.7567, 0.7617, 0.8167,
        0.7755, 0.8052, 0.7862, 0.8236, 0.8138, 0.7887, 0.7857, 0.8127, 0.7568,
        0.7872, 0.7617, 0.8112, 0.7990, 0.8140, 0.7922, 0.7968, 0.7951, 0.7963,
        0.8111, 0.7576, 0.7800, 0.8169, 0.7577, 0.8101, 0.8438, 0.8225, 0.7930,
        0.7261, 0.7693, 0.8067, 0.8014, 0.7878, 0.8029, 0.7834, 0.7117, 0.7702,
        0.7644, 0.7754, 0.7893, 0.7968, 0.8130, 0.7558, 0.8150, 0.7863, 0.8081,
        0.7993, 0.7924, 0.7814, 0.8291, 0.8186, 0.7679, 0.8133, 0.7730, 0.6429,
        0.7970, 0.7536, 0.7527, 0.7735, 0.8060, 0.8003, 0.8007, 0.5041, 0.8687,
        0.8198, 0.8349, 0.7832, 0.7712, 0.7415, 0.8091, 0.7702, 0.7681, 0.5070,
        0.7821, 0.7993, 0.7843, 0.5622, 0.7991, 0.7806, 0.3768, 0.9074, 0.7894,
        0.7437, 0.7907, 0.7311, 0.7625, 0.8395, 0.8031, 0.7377, 0.8043, 0.8044,
        0.7690, 0.7911, 0.6050, 0.8110, 0.8181, 0.7987, 0.8149, 0.8036, 0.7925,
        0.7966, 0.7241, 0.7830, 0.8454, 0.7658, 0.8018, 0.7932, 0.7222, 0.8114,
        0.7877, 0.7977, 0.8009, 0.7589, 0.8279, 0.8102, 0.7779, 0.8008, 0.7467,
        0.8064, 0.8310, 0.7726, 0.7763, 0.7696, 0.7697, 0.7954, 0.5479, 0.7644,
        0.4925, 0.8099, 0.7662, 0.7306, 0.8442, 0.8264, 0.7950, 0.8160, 0.8005,
        0.6948, 0.5915, 0.7884, 0.7742, 0.7388, 0.7647, 0.7927, 0.7880, 0.5437,
        0.7883, 0.8041, 0.6196, 0.8216, 0.5463, 0.8002, 0.7751, 0.7713, 0.7728,
        0.7927, 0.7177, 0.7884, 0.7937, 0.7828, 0.7854, 0.8521, 0.8164, 0.8091,
        0.7607, 0.8429, 0.7512, 0.8290, 0.7664, 0.7484, 0.7857, 0.7199, 0.7941,
        0.7265, 0.8128, 0.8162, 0.8132, 0.5765, 0.7690, 0.4450, 0.7664, 0.7952,
        0.8019, 0.7726, 0.8251, 0.7894, 0.7746, 0.7984, 0.8063, 0.7199, 0.8279,
        0.7861, 0.7483, 0.8254, 0.7772, 0.7408, 0.7530, 0.8307, 0.6314, 0.8040,
        0.6108, 0.7682, 0.7855, 0.7632, 0.8043, 0.8449, 0.7799, 0.8368, 0.8612,
        0.8451, 0.7713, 0.7935, 0.8289, 0.7693, 0.7830, 0.7611, 0.8061, 0.7921,
        0.8219, 0.7495, 0.7870, 0.7945, 0.8327, 0.7798, 0.7073, 0.8086, 0.7753,
        0.8221, 0.7823, 0.7847, 0.7236, 0.7878, 0.8179, 0.8248, 0.8617, 0.8085,
        0.7841, 0.7495, 0.7398, 0.7807, 0.7347, 0.7015, 0.7961, 0.7647, 0.7636,
        0.8144, 0.7982, 0.7784, 0.7477, 0.4203, 0.8058, 0.7790, 0.8430, 0.4938,
        0.7051, 0.7674, 0.7803, 0.8087, 0.8215, 0.7727, 0.8187, 0.7681, 0.8181,
        0.7863, 0.7654, 0.8155, 0.7778, 0.6994, 0.7931, 0.7426, 0.7450, 0.7816,
        0.8195, 0.5796, 0.7516, 0.7152, 0.7636, 0.7961, 0.8019, 0.7926, 0.5962,
        0.7814, 0.7872, 0.7810, 0.7754, 0.7498, 0.7416, 0.7952, 0.7702, 0.8064,
        0.8069, 0.7749, 0.8079, 0.8134, 0.8155, 0.8197, 0.8025, 0.5491, 0.7938,
        0.8156, 0.8128, 0.8103, 0.8334, 0.5960, 0.8135, 0.7730, 0.6634, 0.8284,
        0.7756, 0.7283, 0.7788, 0.8437, 0.7751, 0.7622, 0.7909, 0.7683, 0.8206,
        0.8030, 0.7877, 0.8457, 0.7915, 0.7514, 0.7901, 0.8140, 0.8291, 0.7979,
        0.8076, 0.7876, 0.8329, 0.7991, 0.6759, 0.7537, 0.7273, 0.7597, 0.7920,
        0.8232, 0.8217, 0.8352, 0.7719, 0.7415, 0.7852, 0.7861, 0.7792, 0.7912,
        0.7989, 0.7676, 0.8116, 0.8635, 0.5486, 0.7599, 0.7869, 0.7580, 0.7792,
        0.7762, 0.5675, 0.7887, 0.7733, 0.7611, 0.7849, 0.6635, 0.7868, 0.7955,
        0.7436, 0.8492, 0.8481, 0.7679, 0.8001, 0.7880, 0.8184, 0.8598, 0.8191,
        0.7708, 0.7782, 0.7820, 0.8004, 0.7812, 0.7895, 0.8114, 0.7742, 0.7695,
        0.7942, 0.7933, 0.7947, 0.7650, 0.7705, 0.7671, 0.7268, 0.8170, 0.8016,
        0.8052, 0.7878, 0.7838, 0.5935, 0.7739, 0.7930, 0.7754, 0.7894, 0.7948,
        0.6249, 0.7491, 0.7795, 0.7897, 0.7517, 0.7696, 0.7671, 0.7869, 0.7670,
        0.7851, 0.7950, 0.8167, 0.7964, 0.5516, 0.5126, 0.5449, 0.8371, 0.8142,
```

0.7191, 0.7834, 0.7885, 0.8185, 0.7938, 0.7576, 0.6045, 0.7277, 0.5401,
0.8267, 0.8246, 0.8210, 0.8378, 0.7818, 0.8618, 0.7731, 0.7940, 0.7734,
0.7858, 0.8138, 0.7810, 0.7929, 0.7693, 0.7928, 0.7613, 0.7972, 0.7805,
0.7549, 0.8462, 0.7890, 0.7744, 0.8310, 0.7447, 0.7852, 0.8107, 0.7629,
0.7918, 0.7440, 0.8027, 0.6575, 0.5194, 0.7643, 0.6171, 0.7567, 0.7561,
0.7883, 0.8157, 0.7439, 0.8310, 0.8337, 0.8349, 0.7322, 0.8197, 0.7782,
0.8182, 0.7323, 0.8178, 0.7929, 0.4544, 0.7227, 0.7809, 0.8016, 0.7338,
0.8107, 0.8006, 0.7748, 0.8127, 0.7923, 0.8032, 0.7705, 0.8080, 0.8147,
0.7833, 0.8001, 0.7587, 0.8130, 0.7715, 0.7516, 0.8200, 0.7145, 0.8364,
0.7458, 0.7969, 0.8171, 0.8085, 0.4231, 0.8239, 0.7794, 0.8115, 0.8223,
0.7948, 0.8124, 0.8177, 0.8082, 0.7914, 0.5212, 0.8078, 0.7764, 0.8217,
0.7975, 0.7688, 0.8134, 0.8095, 0.5566, 0.8007, 0.8123, 0.4718, 0.8271,
0.7949, 0.8161, 0.7389, 0.7864, 0.7756, 0.7587, 0.7719, 0.7743, 0.4894,
0.7763, 0.7947, 0.7776, 0.8081, 0.6451, 0.7889, 0.7946, 0.7654, 0.8076,
0.7942, 0.8035, 0.7459, 0.5384, 0.7635, 0.8233, 0.8324, 0.7747, 0.7977,
0.7330, 0.7914, 0.7930, 0.7830, 0.8104, 0.7879, 0.7620, 0.7811, 0.8205,
0.8250, 0.8131, 0.8008, 0.7484, 0.7870, 0.7501, 0.8116, 0.8025, 0.7680,
0.8094, 0.8035, 0.8190, 0.5571, 0.4325, 0.5231, 0.7616, 0.7876, 0.7798,
0.7779, 0.7649, 0.6505, 0.7920, 0.7853, 0.7844, 0.7998, 0.7991, 0.8054,
0.4981, 0.7799, 0.8236, 0.8384, 0.7799, 0.8161, 0.8101, 0.8295, 0.7546,
0.7613, 0.7724, 0.8275, 0.7966, 0.7420, 0.7477, 0.8214, 0.7038, 0.8012,
0.8175, 0.7772, 0.8156, 0.8060, 0.7808, 0.6677, 0.8054, 0.7721, 0.8099,
0.7756, 0.7819, 0.7636, 0.7641, 0.8020, 0.7589, 0.8505, 0.7891, 0.7279,
0.7938, 0.7626, 0.7856, 0.5109, 0.8083, 0.8160, 0.7952, 0.7745, 0.7930,
0.8291, 0.7589, 0.8720, 0.7831, 0.8170, 0.8006, 0.7778, 0.7721, 0.8031,
0.2478, 0.7541, 0.7730, 0.7841, 0.7889, 0.7960, 0.8215, 0.7975, 0.7813,
0.5516, 0.7717, 0.7794], device='cuda:0')

Out[25]: Parameter containing:

```
tensor([-6.0701e-02, -6.8262e-02,  4.6760e-02, -7.3466e-02, -2.1651e-01,
        1.0043e-01, -3.9965e-02, -3.7181e-02,  1.6131e-02,  8.6517e-02,
        -2.3106e-01,  1.0552e-01,  3.6739e-02, -1.7447e-04, -1.4715e-01,
        2.0777e-02, -1.5310e-01,  1.7410e-02, -1.0771e-01,  1.2861e-02,
        -3.3279e-02, -6.1922e-02, -7.8879e-03,  8.4358e-02, -1.5047e-02,
        -1.7169e-02, -1.0346e-01,  3.2665e-02,  6.5431e-02, -2.0026e-01,
        -1.2132e-01,  6.4864e-02, -2.0288e-03,  1.5004e-01, -8.6924e-02,
        -2.1014e-01,  4.1615e-03, -8.9648e-03, -7.3503e-02, -1.7733e-01,
        -3.8675e-02, -5.4733e-03, -7.6872e-02,  4.1502e-02, -2.5152e-02,
        -2.5137e-02, -1.0257e-01, -1.6558e-01, -2.0213e-02,  9.3940e-02,
        -6.8714e-02, -3.3876e-01, -5.1496e-02,  5.5064e-02, -3.4882e-02,
        -2.0328e-02,  2.6670e-02, -2.3456e-02, -1.4678e-01,  2.7638e-02,
        3.5792e-03, -1.6597e-01,  3.0199e-02, -7.3764e-02, -4.6061e-02,
        8.2358e-02,  1.2623e-01, -9.9246e-02, -9.8508e-02,  2.8207e-02,
        2.6180e-04,  4.6635e-02,  1.7011e-03, -5.5882e-02, -2.7963e-02,
        3.8803e-02, -4.9466e-02, -4.9761e-02,  8.6237e-02,  7.6713e-02,
        -1.3672e-01, -1.1733e-02,  8.5970e-02, -9.7329e-02,  4.3634e-02,
        7.9330e-02, -1.6514e-02,  2.8253e-01,  4.1025e-02, -5.9073e-02,
        5.8811e-02,  6.1150e-02, -6.8873e-02, -3.3384e-02, -3.3627e-02,
        -1.2888e-01,  6.7204e-03,  8.9355e-02, -9.2613e-02,  8.7114e-02,
        -2.1966e-01,  8.9256e-02,  2.6957e-02, -4.9508e-02, -4.5055e-02,
        -1.3576e-01, -1.8866e-01, -1.7013e-02, -1.4942e-01,  6.1269e-02,
        -5.8801e-02, -6.2729e-02,  2.1020e-02, -1.2599e-02, -5.9346e-02,
        1.4079e-01, -2.7880e-02,  2.1441e-02, -7.0764e-02,  1.5329e-02,
        -6.6613e-02, -1.3893e-01, -1.3735e-01, -3.2451e-02,  4.7072e-02,
        -9.8261e-02, -1.2190e-01,  3.5961e-02, -5.3467e-02,  8.9840e-02,
        -7.1159e-02,  8.7804e-02, -3.7243e-02, -5.5750e-02,  1.0088e-01,
        3.5253e-02,  3.2190e-02, -3.9593e-02,  1.0196e-01, -1.9728e-01,
        -2.3378e-02,  2.8884e-02,  2.8595e-02, -1.8372e-02, -1.6679e-01,
        -3.3092e-02, -6.3930e-02, -7.9423e-02, -1.2292e-01, -7.5306e-02,
        -1.0493e-01,  9.2460e-03, -1.0304e-01,  2.1790e-01, -5.8226e-02,
        -1.2257e-01,  2.0299e-02, -1.1917e-01, -4.5658e-02,  1.6585e-03,
        6.3446e-02, -2.3644e-02,  5.4338e-02, -2.1072e-01,  7.5923e-02,
        3.6072e-02, -3.2202e-02, -1.0644e-01,  2.9527e-02,  2.3427e-02,
        -1.7910e-01, -7.6686e-02, -2.5205e-02, -1.8218e-02, -9.9576e-02,
        -4.8727e-02, -9.1009e-02, -1.7140e-02,  2.8588e-01,  6.9824e-02,
        3.7225e-02, -1.6767e-03, -2.9056e-02, -2.1788e-01, -4.4129e-02,
        4.8000e-02, -2.1530e-02, -1.1985e-01,  2.6369e-01, -3.1743e-02,
        2.3322e-01,  3.5221e-02,  8.5488e-02,  1.5957e-01,  2.6309e-02,
        1.6323e-01,  4.4262e-02, -7.9665e-03, -2.5160e-02, -1.0543e-01,
        2.2846e-02,  1.6008e-01, -5.4836e-02,  1.8765e-01,  4.9743e-02,
        -1.0172e-01, -8.6201e-02, -4.3506e-02,  2.1549e-02,  3.1418e-01,
        1.1459e-02,  3.8357e-02,  1.6526e-01,  4.8482e-02,  1.0020e-01,
        -1.5575e-02,  9.8005e-02, -4.2586e-02,  3.4976e-02,  2.0907e-02,
        -8.7515e-02, -1.0503e-01,  3.4773e-03,  6.6169e-02, -1.1878e-01,
        -7.8265e-02,  4.2665e-04,  1.0072e-01, -1.8946e-02, -1.2689e-01,
        -7.2548e-02,  2.0663e-01,  1.0325e-01,  8.2700e-02,  1.1139e-01,
        -7.8269e-02, -3.9385e-02, -2.0957e-03,  5.4557e-04, -6.3930e-02,
        -5.8646e-02,  1.4062e-01, -9.5342e-02,  1.2203e-01,  1.1869e-01,
        -5.0020e-02,  6.4917e-02,  4.5815e-02,  9.2505e-03, -1.4210e-02,
        -6.5303e-02, -8.5318e-02, -1.0863e-01, -3.4171e-02, -1.1125e-01,
        8.1945e-02, -1.0395e-01, -4.7888e-02,  4.4444e-02, -9.0473e-02,
        -3.7201e-01, -3.4702e-02,  2.4794e-02,  2.0334e-01, -6.1251e-02,
        3.2477e-02,  4.4232e-02,  7.8589e-02, -3.3341e-02, -4.8565e-02,
        -3.1698e-02, -1.8158e-01, -1.0618e-02, -1.0464e-02, -1.0414e-01,
        3.8998e-02, -6.0588e-02,  3.3470e-02, -3.8841e-02,  2.0525e-01,
        3.1153e-02, -5.6023e-02,  2.9515e-02,  4.6069e-02, -1.7766e-02,
        -1.8759e-01, -2.4658e-01, -1.5735e-02, -2.9338e-02, -6.8826e-02,
        -5.9984e-02, -1.1672e-01, -1.3757e-02, -5.9512e-02, -7.2771e-01,
```

1.7202e-02, -1.8508e-01, 1.2152e-01, -1.2392e-01, 5.8169e-02,
-1.0951e-01, -1.2450e-01, 1.0017e-01, 6.5042e-02, 1.0030e-01,
5.7249e-03, -4.6879e-02, -2.4952e-02, 4.9853e-02, -1.3882e-01,
-2.4167e-02, 1.2210e-01, -3.8669e-02, -6.5177e-02, 1.5406e-02,
5.3268e-02, -1.5592e-01, 2.4710e-03, -9.0662e-02, -3.9903e-02,
-1.0085e-02, 1.0968e-01, -3.6698e-02, 1.8016e-02, -1.2012e-01,
-1.1098e-02, -6.5827e-02, -1.4664e-01, 1.5813e-02, -4.2421e-02,
4.0386e-02, -9.2796e-02, 1.6119e-03, 1.8620e-01, -2.2873e-02,
-8.6172e-03, 4.7429e-02, 1.4686e-01, -2.1116e-01, -1.8825e-01,
7.1621e-03, -1.4255e-01, -9.7903e-03, 3.8025e-02, -3.9583e-02,
3.5648e-02, -1.0921e-01, 5.0882e-02, 7.6667e-02, -2.2814e-03,
5.5404e-02, 1.0190e-01, -7.8323e-02, -1.1640e-01, 2.2802e-02,
2.2965e-01, 7.3312e-02, -1.1565e-01, -3.4806e-02, 1.0148e-02,
-1.9349e-02, -1.3628e-01, 2.7045e-03, -1.9327e-01, 3.6303e-01,
1.0609e-01, -1.0258e-01, -4.6010e-02, -2.2660e-02, 4.9052e-02,
7.4594e-02, 1.1007e-01, -1.2451e-02, -1.5919e-02, 7.9999e-02,
1.1757e-01, 5.6916e-02, 2.0379e-01, 8.9666e-02, 3.6029e-02,
-6.2805e-02, 8.0225e-02, -2.7994e-02, 4.2051e-02, -1.4312e-01,
-7.7801e-03, -3.2591e-02, -1.1196e-03, 6.1646e-02, -1.3207e-01,
-4.4386e-02, -1.4626e-01, -1.8920e-01, -1.0981e-03, -1.5817e-01,
9.0600e-02, 4.2901e-02, 1.0848e-01, -1.9570e-02, -2.3820e-02,
2.2980e-02, 3.9402e-03, -1.3765e-01, -7.7605e-02, -1.6861e-01,
-5.4229e-02, -1.8684e-02, 1.7809e-02, 1.5985e-02, -1.1421e-01,
1.5497e-01, 6.8395e-02, 6.3775e-02, -1.1329e-01, 2.6433e-02,
3.7174e-02, -2.2484e-02, -8.3978e-02, 4.3516e-01, 4.8165e-02,
-3.6440e-02, -1.4941e-01, 1.1835e-01, 4.8135e-02, 2.3641e-02,
2.3809e-02, -7.7257e-02, -1.4494e-01, -3.8009e-02, 3.4479e-03,
-6.1488e-03, -4.6964e-02, -5.6969e-02, -8.2271e-03, 4.5140e-02,
-2.0749e-01, -1.1519e-01, 1.0964e-01, -7.4098e-02, -1.1769e-01,
1.5131e-02, -2.4798e-02, 3.6742e-02, 5.0488e-02, -9.8192e-02,
5.1382e-02, 1.3387e-01, 1.7131e-01, -8.5707e-02, 1.0611e-02,
-4.0711e-03, 6.6321e-02, 1.1273e-01, 2.2542e-03, -3.7275e-02,
-4.7614e-02, 2.2826e-02, -1.4449e-02, -1.3804e-01, 2.5791e-02,
-1.1859e-01, 1.5600e-02, 5.5402e-02, 1.7935e-01, -1.0959e-01,
4.0466e-02, -8.4734e-03, -2.9822e-02, -3.5509e-02, 1.6760e-01,
4.1188e-02, -4.3352e-02, 4.2412e-02, -5.7518e-02, 9.6933e-02,
1.4954e-01, 1.5443e-02, -9.0933e-02, -7.5038e-02, 8.5792e-02,
-4.7399e-02, -1.2507e-01, 8.9271e-03, 1.0701e-01, 6.0293e-02,
-5.8877e-02, 6.8468e-02, 1.9778e-02, 8.8979e-02, 4.5837e-02,
-6.2525e-02, 1.1161e-01, 1.1359e-01, -6.1007e-03, 1.8279e-01,
-3.2151e-02, -5.1027e-03, 2.6196e-02, -4.5498e-02, 1.7449e-01,
-3.7571e-02, 6.0662e-02, -8.7236e-02, 6.7635e-02, -6.4775e-02,
1.1926e-02, -2.2248e-02, 2.7740e-01, -1.5474e-02, 1.1720e-01,
-1.2028e-01, -5.0996e-02, 3.0721e-02, -6.3390e-02, 8.4031e-02,
-5.3832e-02, -1.4887e-01, 1.5523e-01, -2.5111e-03, -7.5692e-02,
-7.5266e-02, -3.3893e-02, -8.0436e-02, -9.3065e-02, -5.6766e-03,
-2.4041e-02, 1.6546e-02, -1.7690e-01, 5.0702e-02, -7.2838e-02,
6.0561e-02, 5.8461e-02, 7.3252e-03, -1.8477e-01, -7.8816e-02,
4.1832e-02, 1.1567e-01, -3.3548e-01, -2.7737e-02, -8.2513e-02,
-1.1881e-03, 8.2256e-02, -6.9725e-02, -8.4993e-02, -4.5528e-03,
1.3376e-02, -2.4199e-02, -3.9358e-02, 2.8782e-02, -7.7042e-02,
5.6814e-02, 1.4280e-01, -1.2074e-01, 1.0867e-02, -9.8156e-03,
-2.3153e-01, 9.0437e-02, 9.1509e-03, -1.8384e-01, -2.9457e-02,
1.3908e-01, -2.6788e-02, 7.0253e-02, 6.6160e-02, 2.6825e-01,
-8.2117e-02, 1.4200e-03, 1.7685e-02, -3.0697e-03, 5.5239e-02,
-1.2352e-01, -3.7163e-02, -4.9046e-02, -2.7207e-01, -1.5512e-02,
-8.6099e-02, 2.4431e-02, -1.2209e-02, -7.8162e-02, -2.2255e-02,
4.0803e-02, 8.3112e-02, -1.0145e-01, -3.0792e-02, -9.5359e-02,
1.0814e-01, -3.1981e-01, 8.2347e-02, -5.4822e-02, -1.2468e-01,
-1.1640e-01, -8.4325e-02, -2.4227e-02, 1.0411e-01, -4.0352e-02,

```
-2.3573e-02, -1.8649e-01, -1.6599e-01, -6.2551e-02, -6.2579e-02,  
-2.3243e-01, 6.3951e-02, -5.8710e-02, -1.4380e-01, -9.0986e-02,  
-1.1111e-01, 5.8827e-02, -9.8110e-02, 2.8738e-01, -2.3711e-02,  
2.8436e-02, -7.9556e-02, 3.7640e-02, -1.9673e-02, -4.7269e-02,  
-4.7477e-02, 1.2423e-01, -1.5954e-01, 7.0968e-02, -6.9811e-02,  
-8.6727e-02, 1.2051e-01, 5.4544e-02, 8.7130e-02, -2.9948e-02,  
-8.8176e-02, -6.0269e-02, 3.4239e-03, -1.4546e-01, 6.6109e-02,  
5.8527e-02, -3.6624e-02, -1.0933e-01, -5.6719e-02, -5.0983e-02,  
-7.1950e-02, -1.1410e-02, 1.3441e-01, 6.5836e-02, -8.6110e-02,  
-2.1102e-02, -2.1175e-01, 4.0805e-02, -7.3192e-03, 7.2476e-02,  
3.8438e-02, -6.9767e-02, 4.2953e-02, 3.1833e-02, -5.1976e-02,  
5.6558e-02, -1.1182e-02, 1.2155e-01, -4.8069e-02, -4.4489e-02,  
-5.7875e-04, 5.9147e-02, -1.4186e-01, -4.4581e-02, 1.1466e-02,  
3.7755e-01, -1.6670e-02, 3.6961e-02, 2.8216e-02, -1.3504e-01,  
5.7077e-02, 6.2072e-02, -3.7567e-02, -3.9302e-02, -5.2744e-02,  
3.6090e-02, 1.1156e-01, -1.6093e-01, 1.8661e-02, 8.9802e-03,  
7.7963e-02, -9.8981e-02, -3.0774e-02, -1.2020e-01, 1.1309e-01,  
1.4319e-01, 6.9234e-02, -7.4396e-02, -7.7125e-02, -2.4010e-01,  
-8.6187e-03, 1.0669e-01, 4.2085e-02, 1.1753e-01, -1.7509e-01,  
9.5918e-02, -2.4247e-02, 1.0012e-01, 1.4448e-02, -3.0663e-02,  
8.6370e-02, 3.4304e-02, 1.3242e-02, 2.5083e-03, -6.0300e-02,  
4.4649e-03, 2.6684e-02, 1.1778e-01, 4.1877e-02, -1.6165e-02,  
1.7948e-02, -2.1427e-02, -7.1525e-03, -1.2094e-02, -6.9861e-03,  
-2.1269e-01, -5.5262e-02, 9.1578e-02, 3.5538e-02, -4.1177e-02,  
-6.1797e-02, -3.9904e-02, 3.0350e-02, 1.6857e-01, 9.7803e-02,  
-2.1390e-01, -1.0664e-01, -9.9870e-02, 3.0040e-02, -1.6240e-02,  
-1.4984e-01, -1.6471e-01, 1.1529e-01, -3.0956e-02, -1.1048e-01,  
-5.3369e-02, 1.0901e-01, -3.0403e-02, -1.0514e-01, 4.7248e-02,  
-1.3923e-01, 8.0502e-02, -4.5150e-01, 1.3368e-01, -8.2158e-02,  
-4.1740e-02, -9.0769e-02, -1.3116e-01, -9.0209e-02, -1.4492e-01,  
1.0196e-01, -8.2533e-02, -1.2813e-01, -8.0090e-02, -8.5329e-02,  
7.5425e-02, -1.3260e-01, -7.1235e-02, 1.0587e-01, -8.8830e-02,  
3.1293e-02, -2.3855e+00, -4.1932e-02, -1.6687e-02, -3.8834e-02,  
-9.0409e-02, -5.5070e-02, 1.6784e-02, -2.7147e-03, -1.6684e-01,  
1.5951e-01, -4.3288e-02, -3.0447e-02], device='cuda:0')
```

Out[25]: Parameter containing:

```
tensor([[ 0.0548, -0.0126,  0.0222, ..., -0.0534,  0.0209,  0.0064],  
        [ 0.0272, -0.0310,  0.0120, ...,  0.0612,  0.0727, -0.0160],  
        [ 0.0486, -0.0298, -0.0562, ..., -0.0419, -0.0777, -0.0652],  
        ...,  
        [ 0.0206, -0.0390,  0.0065, ...,  0.0320, -0.0332, -0.0318],  
        [ 0.0354,  0.0205, -0.0837, ...,  0.0557,  0.0224,  0.0714],  
        [ 0.0447,  0.0490, -0.0046, ..., -0.0781, -0.0197,  0.0411]],  
device='cuda:0')
```

Out[25]: Parameter containing:

```
tensor([-8.1776e-02,  4.8593e-02,  4.7796e-01,  6.6174e-01,  5.1030e-02,
        1.9763e-01,  4.5871e-01, -7.3139e-01,  5.7844e-01, -3.5859e-01,
        8.3882e-02, -6.3930e-01,  2.9900e-01,  8.9201e-01,  2.5964e-02,
        1.2400e-01,  8.3227e-01, -3.7473e-01,  4.2559e-02, -4.5186e-01,
        2.4757e-01,  3.4729e-01,  9.8784e-01,  7.8467e-02, -7.7769e-01,
        4.5137e-01,  1.5650e+00,  1.3919e-01,  4.9592e-01, -1.0822e-01,
        -7.4234e-01, -4.6896e-01,  5.5113e-02,  6.6142e-02,  1.3243e-01,
        -2.2271e-02, -9.1984e-02,  3.1107e-01,  1.2175e+00,  1.4183e+00,
        2.0284e-01, -4.3571e-01,  2.1620e-01, -7.8784e-02,  3.6555e-01,
        -8.2022e-03,  5.1382e-01, -6.8216e-01,  4.0145e-01, -2.8994e-01,
        1.1162e-01,  1.5998e-01,  2.4929e-01, -2.5072e-01,  1.9121e-01,
        9.3592e-01, -4.7769e-01,  2.6090e-01,  1.3088e-01,  3.5407e-01,
        -8.3214e-02,  9.3925e-01,  3.1197e-02,  3.7126e-01, -6.7488e-03,
        -2.5240e-03,  1.6679e-02,  3.5308e-02,  1.3458e-02, -4.8767e-03,
        1.6798e-02,  5.0429e-02,  5.1008e-02,  4.3369e-02, -1.0086e-02,
        6.7686e-02,  1.0818e-01,  9.8474e-02, -3.7467e-04,  1.5954e-02,
        3.6341e-02,  4.9922e-02, -2.8054e-03,  6.6409e-02, -4.3692e-02,
        3.9290e-02, -1.3186e-03,  1.3238e-02,  4.0869e-02,  1.0816e-01,
        4.1018e-02, -1.1389e-02, -4.1281e-02,  7.9603e-02,  5.6001e-02,
        -1.0069e-01, -5.6905e-02, -9.1652e-02,  2.7356e-02,  2.0999e-01,
        1.0648e-02, -5.5241e-03, -4.1627e-03,  5.0752e-03, -3.3147e-03,
        -2.1743e-02,  2.9384e-03, -4.1738e-03,  2.0469e-02,  2.1677e-02,
        3.5446e-03,  7.7951e-03,  3.7508e-02, -3.0177e-02,  8.5066e-02,
        2.4922e-03,  1.7145e-02, -1.8504e-02,  2.0981e-02,  5.1221e-02,
        3.6736e-02, -1.2612e-01,  4.3795e-02,  1.3239e-02,  5.9897e-02,
        -7.1124e-04, -3.5662e-02,  5.3456e-02,  1.6407e-01,  2.7866e-01,
        1.9956e-01,  3.7594e-01,  5.5709e-01, -1.2790e-01, -8.2952e-02,
        9.3476e-02, -2.6135e-02, -7.3604e-02,  6.8037e-03, -2.3772e-01,
        1.6375e-01,  6.7300e-02, -3.4307e-01, -3.4856e-01, -8.2075e-03,
        6.4546e-02, -2.3171e-01,  5.7509e-02,  1.4292e-01,  1.8816e-01,
        2.5873e-01,  1.3098e-01, -2.0429e-01, -2.0301e-01,  1.7748e-01,
        9.7854e-02, -6.6832e-02, -3.0666e-02,  2.8729e-01, -8.4619e-03,
        -3.5924e-02, -1.7219e-01,  1.1431e-02,  2.4697e-02, -2.8268e-01,
        1.6430e-02,  1.1738e-02, -3.5743e-02, -1.5909e-01, -2.2982e-01,
        -9.8260e-02, -2.2369e-01,  4.7530e-03,  2.5552e-02,  1.2306e-01,
        2.1150e-02, -9.7749e-02, -2.2443e-01, -2.0740e-01, -4.0624e-02,
        -1.1370e-01, -6.8274e-02,  4.0993e-02,  1.6442e-02, -3.4769e-02,
        -2.2476e-01, -1.1540e-01,  8.6920e-03, -8.2774e-03,  2.2812e-02,
        -9.4874e-02,  1.0401e-01,  1.4370e-01, -7.5522e-02,  2.3863e-01,
        2.8358e-02,  7.4159e-02, -8.8636e-03, -1.4561e-01, -3.7430e-01,
        9.4019e-03, -8.7431e-02, -2.9407e-01, -2.4041e-01,  2.0159e-01,
        3.1804e-01,  6.3841e-03,  1.2246e-01, -1.9729e-01, -1.5208e-01,
        -1.4067e-01, -6.3118e-02,  9.8367e-02,  9.0514e-03, -1.9726e-01,
        -2.4937e-01, -2.3863e-03, -2.1932e-02, -1.0061e-01,  6.0107e-02,
        -1.2504e-01, -2.3901e-01, -3.3049e-01,  1.0317e-01, -2.8704e-01,
        -2.0511e-01, -6.5929e-02, -4.1449e-02,  1.2649e-01, -8.6312e-02,
        1.2046e-01,  1.5750e-01, -3.4154e-03,  3.0580e-01,  5.1465e-02,
        1.7998e-01, -1.1781e-01,  5.8245e-02,  5.0647e-01,  9.3107e-02,
        1.7486e-02, -1.4235e-01,  1.9553e-01,  3.5179e-02, -1.5182e-01,
        7.9922e-02,  4.3547e-02,  1.9265e-01, -2.0626e-01, -2.9795e-02,
        -2.0273e-01,  2.9749e-01,  2.9183e-02,  2.0515e-01,  1.2571e-01,
        2.4188e-02, -6.4743e-03, -1.4366e-01,  7.7190e-02,  8.5024e-02,
        5.5236e-02, -2.2795e-02, -1.3271e-02, -3.3334e-02, -4.7592e-02,
        9.6306e-02,  3.7040e-02,  4.5344e-02,  1.8687e-01,  1.8673e-01,
        2.5232e-02, -1.9493e-01,  8.9463e-02,  9.4786e-02,  2.1657e-01,
        -1.8253e-01, -6.0923e-02, -1.2962e-01, -3.2962e-02, -1.5967e-01,
        -2.4543e-01, -3.6618e-02,  1.5325e-01,  5.2076e-02, -2.1458e-02,
        -4.5718e-02, -1.6719e-02,  1.2576e-01,  1.2629e-01, -1.3640e-01,
        5.8484e-02, -7.1535e-02, -3.4720e-03, -2.0230e-01,  1.2068e-01,
```

-1.9625e-01, 8.2772e-02, 1.6194e-01, -8.6672e-02, 1.4834e-01,
-2.8346e-02, 5.1127e-02, 2.7696e-03, 6.8908e-03, -1.3875e-01,
1.1068e-01, -2.1123e-02, 2.9926e-02, 4.8438e-02, 7.1192e-02,
-4.4812e-03, -1.3244e-01, 1.6649e-01, 1.6486e-01, 1.4321e-01,
6.6883e-02, 1.5650e-02, -1.9875e-01, -1.0333e-02, -1.6560e-02,
-1.1988e-01, -1.6199e-01, -1.4508e-01, 9.2545e-02, 1.9963e-01,
-1.5812e-02, 7.8380e-03, 9.9950e-02, -4.5045e-03, -3.7431e-02,
1.1796e-01, 3.5049e-02, 1.4790e-01, -2.5543e-01, -1.2213e-02,
-9.1808e-02, 5.4394e-02, -2.8807e-01, 1.8705e-01, 2.4325e-03,
1.0011e-01, 5.8953e-02, -1.4993e-01, 2.3412e-02, -1.4655e-01,
1.2743e-01, -6.5912e-03, 3.8313e-02, 4.4646e-02, 1.3007e-01,
5.8097e-02, -1.7186e-01, -8.2430e-02, -9.7969e-03, 1.8586e-01,
1.5322e-02, -8.6967e-04, 1.1352e-01, 2.4761e-02, -2.3778e-01,
-1.3292e-01, 1.3999e-01, -2.2329e-01, -2.7773e-02, -6.8407e-02,
9.8728e-02, -8.4001e-02, -1.2942e-01, -1.4609e-01, -3.3583e-02,
-1.1778e-01, 5.6214e-02, -3.6682e-02, -1.0026e-01, 1.3180e-01,
1.2715e-02, -8.0218e-02, 7.1137e-02, 4.8133e-02, 2.8635e-01,
3.3833e-02, -2.4907e-02, -4.0598e-02, 1.3417e-02, -1.7008e-01,
7.9309e-01, -2.8240e-01, -1.1171e-02, -2.2371e-01, 2.4951e-01,
1.1135e-01, -2.3731e-01, -1.9982e-01, 1.4030e-01, -1.3843e-01,
-2.7625e-01, 2.9501e-02, 6.9151e-01, 7.5393e-02, -3.5218e-01,
1.2573e+00, -3.3127e-02, 5.0157e-01, 6.4595e-01, -9.0069e-01,
9.2523e-01, -7.2156e-02, -4.3919e-01, -7.0842e-01, 5.1946e-01,
1.4247e-02, 3.2835e-01, 1.3260e-02, 6.5672e-01, -7.9787e-01,
2.8227e-01, 5.9684e-01, 6.4000e-01, -1.2144e-01, -1.8498e-01,
3.5586e-01, 2.4259e-01, 8.5708e-01, 9.8527e-02, -7.0845e-01,
-9.0215e-01, -9.7112e-01, 3.5538e-01, -8.8359e-02, 3.4787e-01,
3.6946e-01, 4.6709e-01, 6.1798e-01, 3.4559e-02, -8.7615e-02,
6.4502e-01, 7.5323e-01, 4.1728e-02, 1.3760e+00, -3.9952e-01,
1.6772e+00, 2.2529e-01, 5.8527e-02, -8.9140e-03, 2.1087e-01,
-6.6613e-01, 7.9846e-01, -2.3802e-01, -6.0702e-02, 3.7342e-01,
-1.2552e-01, -3.3461e-01, -1.4841e-01, -1.7214e-01, 1.0007e-01,
-2.9573e-01, -9.4460e-02, -1.1350e-01, -3.8898e-02, -8.7661e-02,
2.7361e-02, -5.6904e-02, -5.0800e-01, -6.8982e-03, 1.2334e-01,
-2.5379e-01, -3.2481e-02, -2.4713e-02, -6.1467e-02, 1.1299e-01,
-1.0383e-01, 1.9418e-01, 1.3129e-01, -5.2440e-03, -4.3447e-02,
-3.4895e-02, 4.0153e-02, 1.2946e-01, -1.3589e-02, -6.3065e-02,
-2.2722e-02, -8.5268e-02, 1.0905e-02, -2.2814e-02, -6.4789e-02,
-1.0686e-01, 5.2705e-03, -5.3056e-01, 9.7469e-02, -1.2649e-01,
-1.7601e-01, 1.1619e-02, -1.5689e-02, -8.3100e-02, -2.4472e-02,
6.5181e-02, -8.6588e-02, 2.8476e-02, -1.5992e-01, -1.0893e-01,
-4.9260e-02, -8.2192e-02, -6.6254e-03, 1.0993e-01, 7.6275e-02,
2.6870e-01, 5.3735e-02, -5.1339e-02, 2.0888e-01, -1.9366e-02,
4.6018e-02, 9.9336e-03, 2.1683e-01, -6.7345e-02, 2.9764e-01,
3.2371e-01, -5.9140e-02, -4.5258e-02, 7.7913e-02, -2.3803e-02,
-3.4148e-03, -1.1017e-01, 1.7418e-01, 1.1855e-01, 2.0397e-02,
1.7207e-03, -2.2668e-01, 1.5576e-01, -2.9697e-02, 1.0027e-02,
-2.8694e-02, -5.4548e-02, 3.0810e-02, 7.6163e-02, 8.2645e-02,
-1.9459e-03, 8.8366e-02, 2.8275e-02, -1.9958e-01, 3.5569e-02,
3.7268e-02, 3.7066e-03, 1.2414e-01, -5.0369e-02, -6.1863e-02,
-1.1834e-01, -1.3815e-01, 3.3756e-02, -1.2578e-02, -4.6305e-02,
-2.3542e-02, 1.6552e-01, -2.1577e-01, 6.5312e-02, -1.1481e-02,
5.9627e-02, 3.9909e-02, 1.4173e-02, 3.3915e-02, -3.0900e-02,
6.0627e-02, 1.2410e-02, -1.6610e-01, -4.3933e-01, -5.5041e-02,
5.4181e-02, -8.0571e-02, -2.6045e-02, 1.9662e-02, 1.0340e-01,
1.9331e-01, 3.4113e-02, -1.5592e-01, -5.1405e-01, -3.3464e-02,
-3.7791e-02, 2.2527e-02, 1.6377e-02, 2.8105e-02, 6.1245e-02,
2.3382e-02, -8.0464e-02, -1.3807e-03, -3.0655e-02, 3.6729e-02,
7.7942e-02, -2.3280e-02, 3.0493e-03, 1.8310e-01, 6.8896e-02,
2.2920e-02, -3.4216e-02, -1.0866e-01, -1.2547e-02, -4.2500e-01,

```
9.9577e-02, 4.7347e-02, -1.5469e-02, 1.5760e-02, -6.2170e-02,
-4.5697e-02, -3.8511e-02, 2.1926e-02, -6.5526e-02, -6.7249e-02,
1.1670e-01, 9.3932e-02, 5.7574e-02, 2.6554e-02, 1.4206e-01,
-1.4648e-01, -5.5864e-02, -8.7439e-02, 5.8352e-01, -5.8917e-02,
6.0197e-02, -6.3411e-03, -4.4473e-02, 1.5046e-02, -6.2534e-03,
1.0601e-01, 5.1585e-02, -2.8117e-02, -4.1682e-01, 5.9572e-02,
-2.0336e-02, 5.3993e-02, 7.0804e-02, -2.3076e-02, -1.1828e-01,
-1.1752e-02, -8.1266e-02, 6.5040e-02, -1.5631e-01, -9.1671e-02,
1.1435e-01, 1.3067e-02, -2.1176e-01, 4.4372e-02, -1.8788e-01,
-4.1653e-02, 1.8595e-01, -6.3236e-03, -4.5549e-02, 1.6783e-01,
1.6974e-01, -1.1001e-01, 1.5958e-02, -3.8660e-03, 1.9539e-01,
2.2881e-01, -4.8916e-02, -1.1667e-01, 8.3782e-02, -1.0538e-01,
-8.8119e-02, -2.1839e-02, 4.6662e-02, 6.0432e-02, -1.7615e-01,
-3.4147e-02, -3.1874e-02, -1.3765e-01, -9.5952e-02, -9.4269e-02,
-6.3413e-02, 2.0064e-01, 2.2766e-01, 1.4615e-02, 1.2444e-01,
1.7951e-01, -8.3154e-03, 1.7640e-01, 1.4581e-01, 9.0000e-02,
-1.0411e-01, 3.7678e-02, -8.8644e-02, -1.9635e-01, -9.5837e-02,
1.0168e-01, 8.0242e-02, 4.4340e-02, 8.9420e-02, -1.0334e-01,
1.0910e-01, 9.8961e-02, 1.4308e-01, 2.1475e-02, 4.9925e-02,
1.9576e-01, 7.1728e-03, 4.5330e-02, 7.4057e-02, 5.0528e-02,
5.6684e-02, -1.7976e-03, 1.3676e-02, -8.1915e-02, -8.3722e-02,
8.3395e-02, -7.3543e-02, 1.3349e-01, 9.6936e-02, -9.9396e-02,
-5.1386e-02, -3.7108e-01, 6.7179e-02, 4.3652e-01, 2.1355e-01,
1.0808e-01, 8.1656e-02, 3.0993e-01, 4.6722e-01, 3.7542e-01,
4.3144e-01, -1.0821e-01, -1.4373e-01, 4.2640e-01, 1.0865e-01,
2.3084e-01, -1.7500e-01, 2.8630e-01, 1.8501e-01, 6.2020e-02,
2.3566e-01, -9.9082e-02, -1.8186e-01, -2.4632e-02, -3.6810e-01,
2.2191e-01, 9.2940e-02, -1.2751e-01, 2.8017e-01, 2.1265e-01,
-1.8746e-01, -2.1595e-01, 5.0322e-01, -3.2219e-02, 1.2452e-01,
2.4851e-01, -8.0011e-02, -2.0665e-02, 5.4700e-01, 4.5193e-02,
3.4366e-01, 1.1500e-01, 4.3836e-01, 3.2859e-01, -3.8051e-01,
-1.9446e-02, -1.5056e-01, 1.0905e-01, -4.2828e-01, -9.8219e-02,
-1.4881e-01, 9.2944e-02, 8.2911e-04, 3.0963e-01, -6.9808e-01,
2.7671e-02, 2.0916e-02, -3.8954e-02, 4.4451e-01, 3.5455e-01,
2.1809e-01, 3.5363e-01, -3.0639e-01], device='cuda:0')
```

Out[25]: Parameter containing:

```
tensor([[ -0.0493, -0.0126,  0.0384, ..., -0.0497, -0.0061, -0.0385],
        [ -0.0541, -0.0124,  0.0281, ..., -0.1058, -0.0121, -0.0543],
        [ -0.0773,  0.0232,  0.0804, ..., -0.0014,  0.0295, -0.0111],
        ...,
        [  0.0551,  0.0015, -0.0011, ...,  0.0400, -0.0526, -0.0602],
        [ -0.0573,  0.0362, -0.0557, ...,  0.0234,  0.0340,  0.0791],
        [ -0.0243,  0.1344,  0.0130, ..., -0.1027, -0.0008, -0.0173]],
        device='cuda:0')
```


Out[25]: Parameter containing:

```
tensor([ 4.0643e-03,  3.9575e-02, -2.6874e-02, -3.9014e-02, -5.5652e-03,
        -2.7134e-02, -8.2655e-03, -4.6780e-04, -1.7338e-02, -1.4877e-02,
        -1.1433e-02, -1.3171e-02, -2.1448e-03, -1.8616e-03, -1.6207e-02,
        -2.0147e-02, -2.9587e-02,  1.4114e-02,  4.1244e-04, -1.3886e-02,
         5.7189e-03, -4.5586e-03, -1.1960e-02, -1.3448e-02,  1.7445e-02,
        -1.9381e-02, -2.8879e-02, -4.8297e-03, -2.5944e-02, -8.4458e-03,
        -6.3373e-03,  5.3749e-03, -6.1717e-03, -3.0155e-02,  1.0826e-02,
         2.3724e-02,  3.0095e-02, -1.6988e-02, -2.4513e-02, -1.2438e-02,
         2.2487e-04, -5.1431e-03,  7.1827e-03,  2.1868e-02, -3.7930e-02,
         2.0903e-02,  4.7277e-03,  3.4136e-03, -2.1182e-02, -1.6503e-02,
         1.2512e-02,  4.7335e-03, -2.0330e-03,  2.5354e-02,  5.6705e-03,
        -2.9589e-02, -2.0937e-02, -9.8682e-03, -1.3472e-02, -1.2825e-02,
         4.4041e-03,  2.0948e-02,  1.7350e-02, -7.2777e-03,  3.7251e-03,
        -1.2003e-02,  1.9744e-03,  3.2309e-02, -1.0343e-02,  2.3420e-02,
         1.8606e-02,  6.6678e-03,  8.0180e-03, -1.8944e-03,  3.4953e-02,
        -7.4282e-03,  6.7661e-03, -2.5967e-03,  7.4998e-03, -6.6950e-03,
        -6.1339e-03,  3.3098e-02,  1.7589e-02, -1.5939e-02, -4.1011e-03,
         4.1952e-03, -1.6057e-02,  5.0124e-04,  6.4103e-03,  1.0934e-02,
         5.2959e-03, -6.8518e-03, -4.7121e-03, -7.9587e-03,  6.3310e-03,
        -6.8931e-04,  1.0218e-02, -1.1983e-02, -1.4102e-02,  6.2745e-03,
         2.4653e-02, -6.2369e-03,  3.8687e-03,  2.0945e-02,  4.8980e-03,
        -6.6044e-04, -5.2466e-03,  1.9060e-02, -1.7746e-02,  4.3329e-03,
        -2.1919e-03,  1.7809e-02, -1.7234e-02, -8.3117e-03,  8.7028e-03,
        -2.3730e-02, -1.0308e-02, -1.0784e-03,  1.8551e-02, -1.3544e-02,
        -6.4995e-03,  1.3112e-04,  1.2587e-03, -1.1819e-02,  1.0895e-02,
        -3.4912e-02,  2.2796e-02,  3.7847e-02,  3.6770e-02,  9.1282e-03,
         4.0857e-03,  6.6429e-02,  6.5228e-02, -6.5121e-03,  3.5723e-02,
         3.0574e-02, -5.3015e-03, -1.9843e-02,  2.5505e-02, -2.9234e-02,
         2.7408e-02,  4.0426e-02, -2.2450e-03, -2.4813e-03, -2.2436e-02,
        -2.9529e-02, -5.5213e-03,  2.1841e-02, -2.4886e-02,  3.8025e-03,
         3.5547e-02,  4.2562e-04, -3.9009e-03,  1.9663e-03, -1.3768e-02,
         1.0241e-03, -2.6294e-02,  2.9829e-02,  3.6494e-02,  1.2288e-02,
         3.3214e-03,  9.6311e-03, -1.3195e-02,  1.3873e-02,  1.4193e-02,
         5.3470e-02,  1.3927e-02,  9.6540e-03,  1.3627e-02, -2.1821e-02,
         3.3728e-03, -2.0211e-02,  1.7520e-02, -1.1640e-02,  3.2016e-02,
        -4.0951e-02, -1.1712e-02, -3.4291e-02, -2.0858e-02,  4.4609e-02,
         1.2731e-02,  3.2823e-02,  4.9513e-03,  2.2320e-02,  4.4240e-02,
        -7.7254e-03,  1.0837e-02,  2.8755e-02, -8.8679e-03, -1.3539e-03,
        -6.4624e-03, -1.3678e-02, -2.8106e-03,  2.3138e-03, -2.2490e-04,
         1.1142e-02,  5.9637e-03, -1.2445e-02,  1.0633e-02, -1.4971e-03,
         1.7225e-02, -1.4288e-02,  1.3697e-02,  1.1448e-02, -5.9255e-03,
         1.1693e-02,  8.6610e-03, -4.9303e-04,  9.3137e-03,  4.8209e-03,
        -3.6251e-03,  3.0570e-02, -5.3123e-03, -5.2746e-03, -1.8422e-02,
         2.6299e-02,  4.7504e-03,  8.1349e-03,  2.4525e-02,  4.3772e-03,
         8.5952e-03,  1.9642e-03, -9.9825e-03, -8.1791e-03,  1.2632e-02,
        -2.1938e-02, -1.5837e-02, -7.6031e-03,  1.3383e-03, -2.3786e-02,
        -1.8034e-02,  9.1579e-04,  1.9823e-02,  2.1073e-02, -2.3684e-02,
        -1.2916e-02, -2.6603e-02,  3.6194e-03,  1.3858e-02,  8.9944e-03,
         1.0543e-02, -1.2128e-02,  6.2711e-03,  2.8742e-02,  2.4036e-02,
        -4.9518e-03, -1.1767e-02, -2.0824e-02, -2.0924e-02,  1.6160e-02,
        -2.4824e-02,  1.3754e-02,  2.4749e-03, -2.5884e-03, -2.1657e-02,
        -3.8370e-03,  1.4117e-02,  9.4780e-03,  3.2292e-02, -3.9756e-04,
         1.6875e-03,  2.3514e-02, -1.9315e-02, -1.1258e-02,  2.0996e-02,
        -3.5062e-05, -2.0580e-03,  2.8278e-02, -5.0884e-03, -1.6556e-02,
        -1.5047e-02,  6.5905e-03,  6.8496e-03,  1.7853e-04,  1.9849e-02,
         3.2226e-02,  2.7941e-03,  1.1884e-02,  6.3264e-03,  5.4569e-03,
         7.9321e-03, -1.1001e-02,  4.1817e-04,  5.8186e-03,  3.9701e-03,
         8.1840e-03, -5.9583e-03,  1.0989e-03, -3.5967e-03,  1.6059e-02,
        -2.3520e-02, -9.3707e-03, -1.9279e-02, -6.9405e-03, -2.8278e-03,
```

1.6573e-02, 1.5150e-02, -2.6201e-03, 5.0165e-03, 7.8387e-03,
1.1385e-02, 3.3976e-04, -1.9183e-02, 1.2478e-02, 1.2364e-02,
4.3636e-03, -2.1434e-02, -1.4980e-02, -1.1876e-02, -4.8466e-04,
-5.7874e-03, 6.2162e-03, -3.8363e-03, -1.4508e-03, 1.8932e-02,
-1.1763e-02, 9.0522e-03, -3.0013e-02, -3.5450e-02, 5.2349e-03,
-6.8900e-03, -9.8387e-03, 2.6663e-02, -1.0658e-02, -8.6938e-03,
3.3283e-04, 4.7292e-03, -7.8188e-03, -7.4028e-03, -2.8338e-02,
2.6253e-02, 1.1888e-02, -1.6507e-02, 1.3118e-02, -1.0961e-02,
7.3695e-04, -1.6008e-02, -5.4911e-03, -1.2473e-02, 1.7014e-02,
-1.8324e-03, -4.7233e-03, -4.9945e-03, -1.6198e-02, -1.1881e-02,
-3.3112e-03, -1.8321e-02, -1.3708e-02, 1.8870e-02, -2.2773e-03,
6.7885e-03, -1.0683e-02, 1.4154e-03, 2.5359e-02, -1.0549e-02,
-8.1951e-03, 4.1358e-03, 1.4581e-02, 8.8553e-05, 1.7593e-02,
3.0627e-03, -8.4194e-03, 8.4788e-03, 2.9097e-02, 1.6698e-03,
3.7957e-03, -1.7761e-02, 1.3178e-02, -1.7316e-03, -1.1782e-02,
1.5959e-02, -1.8160e-02, -1.7647e-02, -1.5973e-02, 1.8346e-02,
-7.6630e-03, 1.4262e-02, 3.7456e-02, 3.1740e-02, 4.8843e-03,
5.2301e-03, 4.5040e-03, -4.0360e-03, -6.6139e-03, -1.6534e-02,
4.0661e-03, -4.7787e-02, -6.8997e-03, -1.6185e-02, -6.6314e-03,
-1.9545e-02, 2.1568e-03, -1.7548e-02, 2.1137e-02, -1.8589e-02,
2.0467e-02, -1.3699e-03, 2.2645e-02, 1.4963e-02, -3.1458e-02,
3.7195e-02, -2.7398e-02, 3.6526e-02, 6.9413e-02, -3.0179e-02,
1.6207e-03, -2.8814e-02, -2.9861e-02, -3.4249e-02, 1.8857e-02,
5.6089e-03, 3.8313e-02, -1.2564e-02, -1.1485e-02, -5.2931e-02,
4.4946e-03, 3.4451e-02, 2.8612e-02, -1.1006e-02, 5.1659e-03,
2.2826e-02, 1.6930e-02, 4.5779e-02, -9.8077e-03, -2.2268e-02,
-4.2000e-02, -2.5209e-02, 1.8140e-02, -4.8464e-03, 6.9900e-03,
1.0700e-02, 1.9258e-02, 1.3831e-02, -1.9497e-02, -2.2995e-02,
1.1568e-02, 5.8044e-02, 2.3973e-02, 1.7491e-02, -4.8242e-03,
6.4464e-02, -5.7501e-03, 3.8454e-02, -2.0012e-04, 2.5258e-02,
-1.8424e-03, 3.2299e-02, -1.5038e-02, 7.9958e-03, 6.9484e-03,
2.8528e-03, 9.2598e-03, -2.8036e-02, -1.1035e-02, -2.9324e-02,
-2.7242e-02, -6.6262e-05, -1.5807e-02, 5.6542e-03, -6.4991e-03,
4.0463e-03, -2.6206e-03, 4.0568e-03, 2.1467e-02, 2.1987e-03,
1.6090e-02, -1.3391e-02, -4.8296e-03, 6.3801e-03, -3.5520e-03,
-1.3897e-02, 1.0699e-02, 1.9885e-02, -8.6777e-03, -2.3924e-02,
-3.9500e-03, 1.6207e-02, -2.2365e-02, -9.3188e-03, -3.4123e-04,
-2.7420e-02, 2.4903e-02, 2.3650e-02, 1.4194e-02, -4.7229e-03,
1.3463e-02, 3.9674e-03, 1.4246e-02, -4.4609e-03, -1.0047e-02,
2.4908e-02, -8.9239e-03, 6.0484e-03, -9.1396e-03, 2.6903e-02,
-3.4267e-03, -1.7169e-02, -1.4954e-03, -2.1294e-02, -1.4909e-03,
-3.1824e-02, 2.9099e-02, 1.4312e-02, -7.0674e-03, -1.0394e-02,
-1.9019e-02, -3.0481e-03, -2.3424e-02, 2.1371e-02, 1.2443e-02,
-6.7224e-03, -2.5406e-03, 1.1974e-02, 1.6376e-02, 2.3936e-02,
1.7365e-02, 9.1226e-03, -8.1514e-03, -2.3275e-02, -2.0141e-02,
1.0489e-02, 2.9802e-03, 1.6573e-02, -9.6437e-04, 3.3405e-02,
-2.2885e-02, 2.5548e-02, 1.6900e-02, 3.1951e-02, 1.2334e-03,
-4.1370e-03, 2.8449e-03, -2.0512e-02, -4.7626e-03, -1.8902e-02,
8.3384e-03, -1.7562e-02, -2.7618e-02, 9.1207e-03, 2.0223e-04,
-8.9067e-03, -8.1751e-03, 2.2620e-02, 7.5565e-03, -1.3692e-02,
5.2671e-03, -5.9645e-03, -2.9225e-02, -2.4075e-02, -2.7247e-02,
6.3899e-03, -1.2996e-02, 9.6187e-04, 2.1578e-02, 2.0484e-03,
-2.9937e-02, 4.8296e-04, -8.3609e-03, -2.1443e-02, -3.2044e-02,
-2.2844e-02, 2.2481e-02, -4.1492e-02, -3.0063e-03, -3.5521e-03,
5.9431e-03, -4.2132e-02, -2.0751e-02, -1.1106e-02, 8.2046e-03,
1.3369e-02, -1.2863e-02, -5.3409e-03, -9.2994e-03, 1.6086e-04,
-6.9561e-03, 8.5238e-03, -1.6725e-02, -2.7304e-03, 4.1006e-02,
1.2691e-02, -3.3361e-03, 1.5052e-02, 4.2390e-03, -1.8014e-02,
4.2482e-03, 4.5646e-03, -3.3731e-03, -5.3252e-03, 1.2474e-02,
8.5333e-03, 8.2004e-03, 2.4690e-02, -1.5312e-02, -2.9370e-03,

```
-2.8569e-02, -3.6072e-02, 3.1092e-03, -2.7662e-03, 1.8229e-03,  
-3.7194e-04, -4.1459e-03, 2.8153e-03, 1.7655e-02, -1.6478e-02,  
1.1591e-02, 5.2677e-03, -3.1816e-03, 3.5568e-04, -3.2297e-02,  
1.5662e-02, 1.0361e-02, 2.4391e-02, -2.5617e-02, -2.5155e-02,  
3.7181e-02, -3.0309e-02, -9.7353e-03, 4.7973e-03, 1.1957e-02,  
-2.0260e-03, 4.1670e-03, 4.0894e-03, 4.4214e-02, -1.5059e-03,  
-7.2229e-03, -1.1690e-02, 1.1384e-02, 2.2587e-02, -8.7337e-03,  
2.1958e-03, 3.7104e-03, 8.8562e-03, 4.2551e-02, 2.9999e-02,  
-7.9414e-04, -2.7872e-02, 5.5977e-03, -1.6525e-02, 1.1865e-02,  
-3.3149e-03, 4.8727e-03, -2.3389e-03, -1.7828e-02, -6.1229e-04,  
-1.0728e-02, -9.7926e-03, -2.4208e-03, -2.0489e-02, 5.8376e-03,  
7.4898e-03, -1.9491e-03, 1.7593e-02, 1.0157e-02, 3.0475e-03,  
2.3226e-02, -1.3783e-02, -1.1131e-02, -1.6283e-02, -2.5156e-03,  
-6.2577e-03, -8.4760e-03, -3.4594e-03, -1.3991e-02, -1.9095e-02,  
1.9696e-03, 9.8845e-03, -1.2009e-03, 1.4466e-02, -1.6606e-02,  
-6.6815e-03, -2.3170e-02, 1.0181e-02, 9.3838e-03, 3.3031e-02,  
-1.1620e-02, 1.9232e-02, 1.6839e-03, 2.4905e-03, -8.3165e-03,  
2.1023e-02, 3.0511e-03, 1.0410e-02, 1.7431e-02, -3.1509e-03,  
2.4636e-02, 2.0453e-02, 6.9714e-03, -5.0856e-03, -2.8032e-03,  
-1.0310e-02, -3.7402e-03, 9.9633e-03, -2.2224e-03, 1.0877e-02,  
1.5626e-02, 4.0226e-03, -7.5179e-03, 1.2810e-02, 2.1000e-02,  
1.2042e-02, 1.9696e-02, 1.0801e-02, 8.7908e-03, -5.5526e-03,  
1.1173e-02, -3.5717e-02, -4.4931e-03, 8.5708e-03, 4.5628e-03,  
1.1582e-02, -2.5351e-02, 1.4371e-02, 2.7344e-02, -1.0471e-03,  
1.2997e-02, -2.2896e-03, -7.8081e-03, -2.0043e-03, 1.7852e-02,  
7.0398e-03, 8.9032e-03, 4.6217e-03, -8.4049e-03, -1.4343e-02,  
-7.5593e-03, -1.1089e-02, 4.3168e-03, 9.3751e-03, -7.0028e-03,  
-1.9979e-02, -2.7994e-03, -1.3915e-02, 1.2605e-02, 5.2045e-03,  
-4.2318e-03, 7.6372e-03, -5.4731e-03, 1.8482e-02, -7.5090e-03,  
-4.2259e-03, -2.4534e-02, -1.2018e-03, 3.5736e-03, 7.1565e-03,  
4.8440e-03, 1.1457e-02, 8.5367e-04, 9.3043e-03, -7.1991e-03,  
-9.9817e-03, 2.0505e-03, -4.5702e-04, -3.1379e-02, -1.0902e-02,  
-2.3430e-02, 9.8456e-03, 5.7893e-03, -3.6047e-03, -2.6535e-02,  
1.3582e-03, -1.0716e-02, 2.0893e-02, -1.1202e-03, 2.0869e-02,  
9.5582e-03, -5.9365e-03, 8.6881e-03], device='cuda:0')
```

Out[25]: Parameter containing:

```
tensor([[ -0.0385, -0.0387, -0.0520, ..., -0.0159,  0.0154, -0.0058],  
        [ -0.0204, -0.0223, -0.0048, ..., -0.0169,  0.0022,  0.0040],  
        [  0.0256,  0.0172, -0.0068, ...,  0.0125,  0.0208, -0.0192],  
        ...,  
        [  0.0288, -0.0820, -0.0735, ...,  0.0077, -0.0846,  0.0134],  
        [ -0.0293,  0.0061, -0.0625, ..., -0.0200,  0.0443,  0.0792],  
        [  0.0342, -0.0372, -0.0475, ...,  0.0205, -0.0227, -0.0350]],  
device='cuda:0')
```

Out[25]: Parameter containing:

```
tensor([-1.9769e-01, -3.0796e-01, -1.4258e-02, -7.8012e-03,  1.1360e-01,
        5.6154e-02, -2.1534e-02, -4.5264e-02, -2.6367e-01,  3.4835e-02,
        -8.1066e-02,  7.2363e-02,  1.4101e-01,  1.6807e-01, -1.3791e-01,
        -9.1640e-02,  1.0921e-02,  5.5326e-02,  1.1726e-01, -1.8870e-01,
        7.2579e-05,  1.1824e-01,  4.2493e-03, -3.1683e-02, -1.0043e-01,
        -6.7277e-02,  7.8035e-02, -1.2248e-01, -1.0204e-01,  1.8786e-01,
        -2.1973e-03,  1.9726e-02, -9.0534e-02, -1.9081e-01, -1.4124e-01,
        5.6684e-03, -9.8453e-02,  3.5262e-02,  1.6396e-02, -6.1633e-02,
        2.1042e-02, -1.7930e-01,  3.7949e-03, -2.4059e-01, -2.3911e-03,
        -9.2747e-02, -8.8988e-03, -3.7958e-02, -1.1837e-01,  7.1520e-02,
        -1.5773e-01,  1.0880e-01,  3.2963e-02, -1.8788e-02,  1.8821e-01,
        1.0967e-01, -4.4076e-02,  2.2068e-03,  1.0281e-01, -1.8173e-01,
        -9.0442e-02,  2.4758e-02,  8.2756e-02,  3.2842e-02, -7.8347e-04,
        2.1048e-02, -1.8737e-02, -1.0181e-02,  3.2552e-02, -1.0044e-02,
        -4.3574e-03,  1.0413e-02, -3.0281e-02, -3.0185e-02, -1.9229e-02,
        -2.6665e-02,  6.3629e-03,  1.8527e-04, -1.9344e-02, -3.9488e-03,
        -3.4365e-02,  3.6958e-02,  1.2160e-02,  4.3828e-02,  3.6422e-03,
        -1.4665e-02,  3.2200e-02,  3.9449e-03, -1.6018e-02, -7.2200e-02,
        1.8281e-03, -5.5131e-02, -3.5760e-02,  3.4103e-02,  4.5775e-02,
        1.5066e-02, -3.6720e-02, -1.2797e-02,  8.6272e-04,  9.5267e-03,
        -5.9996e-03, -1.0588e-02, -3.9143e-03,  1.9786e-02, -3.9623e-02,
        -6.1238e-03,  9.8629e-03, -3.7478e-03,  3.1417e-02, -3.0971e-03,
        2.0667e-03, -1.2416e-03, -2.0786e-02,  1.0673e-02,  8.7655e-03,
        2.6756e-02, -3.2370e-03,  3.0497e-02,  3.0916e-02, -7.8847e-02,
        -1.0116e-01,  2.6581e-02, -1.8474e-02,  1.4042e-02, -2.3903e-02,
        2.3362e-02,  2.0091e-02, -1.0279e-01, -1.3732e-02,  2.8045e-02,
        1.0310e-02,  4.1721e-04, -1.8400e-02,  4.5831e-02,  4.1796e-02,
        3.6539e-02,  2.2794e-02, -4.8164e-02, -3.6457e-02, -1.4370e-02,
        -2.7410e-02,  1.8035e-02,  1.8328e-01, -6.1927e-05,  4.2196e-03,
        -1.0069e-01,  1.1165e-02,  1.5689e-02,  2.0008e-02,  9.3104e-02,
        -3.1092e-02,  1.0604e-02,  3.7278e-02, -1.9181e-02,  8.5585e-04,
        2.3115e-02, -2.0512e-02, -1.1549e-03, -3.9129e-02, -4.4846e-02,
        -3.5230e-02,  1.9291e-02, -1.7318e-02,  4.6090e-02,  4.8856e-02,
        4.2630e-02, -5.6359e-02,  1.3820e-02,  3.3157e-02,  7.6380e-03,
        -3.1604e-02,  8.0314e-02, -2.4561e-02,  5.5086e-03, -8.6508e-03,
        7.1496e-04,  4.6990e-02, -2.1040e-02,  2.5986e-02, -1.6029e-02,
        -7.8159e-03,  2.5963e-02, -9.3221e-02, -7.6226e-03,  2.5214e-02,
        7.5003e-04,  5.3007e-02, -2.8772e-02,  1.4000e-02, -1.6292e-03,
        4.2347e-03,  4.4164e-02,  3.0094e-02, -6.2679e-03, -3.1394e-02,
        -2.1826e-02,  6.9212e-02, -8.8354e-03,  2.7293e-02,  2.3253e-02,
        -5.0983e-03,  1.3730e-02,  3.6780e-03,  2.8763e-02, -1.4455e-02,
        -2.9816e-02,  1.3521e-02, -2.1123e-02,  6.7620e-03,  8.9628e-04,
        1.4037e-03, -1.9666e-02, -2.1163e-02,  6.9655e-03,  1.4001e-02,
        -7.9426e-03,  3.1366e-03, -2.9813e-02,  3.6779e-02,  2.4610e-03,
        8.5216e-04,  5.2150e-04,  1.0666e-02,  3.4679e-02, -9.9013e-03,
        -6.2338e-02, -7.2460e-03,  1.3120e-01,  3.7998e-03,  2.2216e-02,
        -3.7966e-03,  7.6708e-03,  4.0945e-03,  3.2447e-03, -1.6090e-03,
        -2.9868e-02,  1.7421e-02, -3.4936e-02,  4.0243e-03,  2.6442e-03,
        -1.6135e-02,  2.5997e-02, -6.0450e-03,  4.8017e-02, -5.4363e-02,
        4.8790e-02, -1.9479e-02, -6.0276e-03,  1.1355e-02,  2.3589e-02,
        -4.2368e-02,  3.5548e-02,  8.1943e-02, -3.8648e-02, -2.3628e-03,
        -3.0832e-02, -7.3267e-03, -6.8905e-03,  2.0329e-02, -3.8102e-02,
        6.3222e-02, -6.2483e-02,  1.4107e-02, -8.8606e-03, -5.6334e-03,
        -2.0685e-02,  7.7587e-03,  1.4475e-02,  2.1275e-02, -1.6466e-02,
        -4.8772e-02,  3.0199e-02, -3.0721e-02,  8.9623e-04, -5.1187e-02,
        1.7406e-02,  1.2156e-02,  5.6486e-03,  7.5956e-04,  1.7406e-02,
        -2.2744e-02,  8.6743e-04, -3.0579e-02,  5.4675e-02, -3.9459e-02,
        1.6075e-02,  3.3024e-02, -3.5296e-02,  2.4088e-02,  1.8308e-02,
        5.5626e-02,  2.0190e-02, -2.5370e-02, -7.0423e-02,  3.3931e-02,
```

2.8031e-02, 2.7349e-02, 3.1874e-02, -1.7294e-02, 1.7901e-02,
-9.8358e-03, -6.4750e-02, 6.4360e-03, -4.6052e-03, -1.9168e-04,
2.7371e-02, 4.4602e-02, 4.0318e-02, 3.1704e-03, -2.9305e-02,
1.5355e-02, -1.8578e-02, -3.1199e-02, 1.9111e-02, -2.6199e-02,
4.1605e-02, -2.7800e-02, -5.4804e-03, 4.1612e-02, -2.5149e-02,
3.1339e-02, -2.0394e-02, -6.5492e-03, 4.1570e-02, 5.5004e-02,
9.7799e-03, 2.4435e-02, -3.9586e-03, 3.0928e-02, 1.6777e-02,
2.9326e-03, -4.8581e-02, 8.4193e-03, -3.0664e-02, 1.8863e-02,
-1.7623e-02, 9.7286e-03, 6.0290e-03, -9.3614e-03, -1.7625e-02,
3.4100e-02, 3.5446e-02, 1.2698e-02, -1.2706e-03, -1.8786e-02,
4.4571e-03, -3.2847e-02, -8.7783e-03, 6.0491e-03, 1.5308e-02,
3.8041e-02, 1.9087e-02, 3.6712e-02, 3.6996e-02, 2.7056e-02,
-1.4947e-02, 4.7501e-02, 4.1039e-02, -3.4045e-02, 1.7692e-02,
2.4757e-02, -4.2459e-02, 4.6512e-02, -2.6327e-02, 1.3719e-03,
-1.0792e-02, -4.9377e-02, 3.3158e-02, 1.2734e-02, -1.2448e-02,
-2.7706e-03, -5.3945e-02, 7.5851e-03, -1.7660e-02, -6.7158e-03,
-8.3525e-03, -2.3544e-03, -3.8322e-03, 1.8624e-02, -3.8496e-02,
-3.7594e-02, -6.6099e-03, -4.2119e-02, 6.8901e-03, 1.1464e-02,
1.2361e-01, -8.1293e-02, -2.8163e-01, -7.5929e-02, 3.7855e-01,
2.3863e-02, 3.7077e-02, -1.3117e-01, -2.5772e-01, -2.6516e-01,
-1.4130e-02, -1.5971e-01, 2.6253e-02, 5.5044e-02, -1.3291e-01,
1.6528e-02, -1.8393e-01, -5.0599e-02, 1.3194e-01, 1.5119e-01,
7.9417e-02, 9.6951e-02, 1.1552e-01, 3.4165e-01, -7.8055e-02,
7.2466e-03, -3.6417e-02, -9.4059e-02, -1.6267e-02, -1.2094e-01,
-1.3009e-02, -8.4728e-02, -1.0817e-01, -1.0821e-01, 9.4777e-02,
1.4474e-03, 2.4985e-01, -2.0413e-02, -5.3735e-02, 9.3490e-02,
7.9958e-02, -1.0720e-01, -1.2481e-01, 1.9352e-01, -1.5289e-01,
7.3646e-03, 1.3319e-01, 2.7517e-03, 1.1694e-01, -6.0239e-02,
4.3054e-01, -4.2110e-02, 8.9639e-02, 1.5987e-02, -5.4103e-02,
4.8287e-01, -8.7686e-02, -2.7987e-01, -4.0725e-02, 2.5229e-01,
9.3677e-02, 2.9738e-02, 1.2944e-01, 6.2334e-02, -5.4339e-02,
1.4292e-01, 6.1899e-03, 1.1682e-03, 1.4205e-02, 1.0978e-01,
2.2164e-01, 8.5691e-02, 1.2180e-01, -6.4440e-02, -1.2933e-01,
-5.7145e-02, -2.3900e-01, -4.6731e-02, 8.6579e-02, 5.2606e-02,
4.6884e-02, -1.1990e-01, 1.0821e-01, -6.2418e-02, 1.1790e-01,
2.1843e-02, -1.9993e-02, -1.0768e-01, 4.5542e-03, -3.6737e-02,
-1.1222e-02, 1.2950e-01, -7.3357e-02, 4.5054e-02, -9.6042e-02,
2.1391e-02, 3.8835e-02, 1.7124e-01, -3.7456e-02, 1.7423e-01,
4.4890e-02, -1.2287e-01, -2.9276e-02, -1.1927e-02, -1.1236e-01,
-5.9881e-02, 1.6947e-01, 1.2986e-03, -6.0082e-02, -5.0739e-02,
2.7990e-04, 1.2627e-03, -1.4533e-01, 2.3244e-01, 3.8475e-03,
2.3477e-02, 2.8476e-02, 5.3984e-02, 5.0967e-02, -5.4947e-02,
1.3627e-01, 7.6602e-02, 1.0219e-01, -1.2821e-01, -3.4824e-02,
1.1870e-01, -1.8247e-01, 1.5202e-02, 5.9386e-02, -4.3689e-02,
-3.3384e-02, -1.5953e-02, 1.4091e-02, 9.7099e-03, -6.2270e-02,
-3.8010e-02, -2.6629e-02, -9.6395e-02, -3.9614e-02, -8.2933e-02,
-7.3181e-02, 5.3324e-03, -2.5034e-02, -4.3688e-02, 4.0018e-02,
2.9570e-03, 4.1612e-02, 2.8716e-02, 2.6260e-02, 2.3423e-02,
1.0102e-02, -6.7008e-02, -7.4532e-02, -2.5742e-03, 8.9139e-02,
-6.2245e-02, 4.0478e-03, 6.8362e-02, 9.0396e-03, 9.2690e-02,
5.4914e-02, 5.8155e-02, 6.6872e-02, -1.6477e-01, 4.1887e-03,
-7.6927e-02, -1.1737e-02, -5.5828e-02, -2.2484e-02, -2.2296e-02,
-4.7091e-02, 5.1515e-02, 4.9409e-02, 4.7612e-03, 4.2547e-02,
3.7372e-02, 9.5353e-02, 7.2136e-02, 2.7739e-02, 3.7973e-02,
-7.9725e-03, 4.1704e-02, -6.3071e-02, -4.1678e-02, -3.7710e-02,
-5.0848e-02, -6.9673e-02, 1.9998e-02, -1.9243e-02, 2.5679e-02,
5.7378e-02, -1.2731e-02, -7.4160e-03, 3.8024e-02, -1.1513e-02,
-3.9342e-02, 5.3794e-02, 1.3110e-02, 2.2454e-03, -3.6190e-02,
-7.4603e-04, 3.4926e-02, 1.7295e-02, -1.6457e-01, 5.9103e-02,
1.0126e-02, 1.4355e-02, 9.0442e-02, -3.1904e-02, -3.8854e-03,

```
-3.2569e-02,  3.9009e-02, -2.1724e-03,  5.0779e-02, -3.0601e-02,
7.5904e-02, -1.3666e-02,  4.1275e-02, -4.9731e-03,  6.5064e-02,
3.2028e-02, -6.3894e-03, -1.3959e-02, -1.8992e-03, -1.4236e-02,
-2.7632e-02,  8.4451e-03,  1.6990e-02, -3.0497e-03,  3.5188e-03,
-3.4671e-02,  3.7460e-02, -4.7909e-02,  1.6449e-02, -2.9976e-02,
7.0470e-02, -8.3063e-02,  1.2053e-02, -3.7018e-02, -2.5047e-02,
4.5108e-02,  2.7219e-02, -1.1330e-02,  6.6327e-02, -5.1361e-02,
5.3247e-02,  1.8118e-02,  1.1300e-03,  3.4351e-02, -6.1553e-02,
-5.8293e-02,  3.8268e-02, -1.1543e-02, -1.5276e-02, -9.1086e-02,
1.7012e-03, -2.9776e-02,  5.2817e-03,  9.5425e-03, -1.8483e-02,
5.0161e-02, -1.2731e-02, -2.5619e-02, -6.1807e-02,  3.2071e-02,
4.7749e-04, -9.8510e-03,  8.9480e-03, -8.0370e-03, -1.6670e-03,
1.4903e-02, -9.8423e-03,  2.7636e-02, -2.6225e-02,  5.0735e-03,
-6.2987e-03, -3.4003e-03,  7.8650e-03,  1.0849e-02,  2.2332e-02,
1.6551e-02,  1.2163e-02, -3.6171e-02,  1.2956e-02, -2.2109e-03,
-2.5660e-02,  3.0865e-02,  1.1211e-02, -3.0714e-02, -1.5929e-02,
-5.6355e-02, -1.7196e-02, -2.6757e-02,  1.7807e-02, -2.0531e-02,
-1.2924e-02, -1.9660e-02, -7.8845e-02,  6.5273e-02, -8.7152e-03,
-4.7254e-03,  4.7948e-02, -1.2010e-02, -7.5469e-02, -3.6603e-02,
4.5614e-02,  1.6069e-02,  1.3180e-02, -8.0662e-02,  1.0907e-02,
2.8505e-02,  4.1629e-02, -3.7650e-02,  3.2629e-04,  4.9254e-02,
1.2582e-01, -1.0333e-02,  2.7445e-02, -8.0378e-03, -1.9039e-03,
-1.0257e-02, -2.0017e-02,  4.2031e-02,  2.9817e-02,  7.6407e-03,
-2.3361e-02,  7.4589e-02,  2.5274e-02,  3.5084e-03, -9.3113e-03,
7.9367e-03,  5.3287e-02,  3.6672e-02,  6.7960e-03, -2.9519e-02,
9.8779e-04,  1.4684e-02,  3.2615e-02, -2.3270e-02,  1.4458e-02,
-1.6349e-02,  2.0943e-02,  3.7855e-02,  4.2531e-02,  9.8311e-03,
-2.2317e-02,  2.9684e-02, -2.9374e-02, -1.1703e-02,  1.7691e-02,
-2.0744e-02, -4.1091e-02,  4.3086e-02, -2.0599e-03, -1.6712e-02,
6.1346e-03,  3.9658e-02,  2.1589e-03, -1.5308e-02, -7.3452e-02,
4.5023e-03, -1.2479e-02, -2.8705e-02,  2.4504e-02,  6.2635e-02,
-1.9288e-02,  2.3343e-02,  3.2808e-02,  1.0384e-02, -8.7894e-03,
1.0819e-02,  4.5532e-03, -1.3509e-02,  1.6159e-02,  4.1859e-02,
-3.4479e-03,  7.7034e-03,  2.7736e-02, -3.3206e-02,  6.1659e-03,
-2.1629e-02,  4.4105e-03, -5.6680e-03], device='cuda:0')
```

Out[25]: Parameter containing:

```
tensor([[ 0.0007,  0.0305, -0.0237, ..., -0.0662, -0.0060,  0.0475],
        [-0.0835, -0.0307, -0.0216, ...,  0.0320, -0.0204, -0.0170],
        [-0.0146,  0.0036,  0.0539, ..., -0.0268, -0.0261,  0.0443],
        ...,
        [-0.0057, -0.0505, -0.0469, ..., -0.0317, -0.0658,  0.0026],
        [-0.0608,  0.0267, -0.0170, ..., -0.0426, -0.0253, -0.0210],
        [ 0.0848,  0.0542, -0.0483, ...,  0.0429,  0.0038, -0.0380]],
        device='cuda:0')
```

Out[25]: Parameter containing:

```
tensor([ 5.0536e-02, -1.5510e-01,  1.4397e-01, -1.1328e-01,  1.7899e-01,
        -8.2631e-02, -1.4235e-01,  6.6580e-02, -1.2343e-01,  5.5539e-02,
        -9.6976e-03, -6.3996e-02, -3.7622e-01, -9.6876e-02,  2.1573e-02,
        2.5412e-01, -3.8251e-02,  1.2024e-01, -7.7500e-05,  1.4733e-01,
        1.4209e-01, -1.9979e-01,  9.3600e-02,  1.5061e-01, -1.3642e-01,
        4.6897e-02,  6.4098e-02, -1.5110e-01, -4.8405e-02,  1.9954e-02,
        -6.4754e-02,  1.0631e-01,  5.7982e-02, -7.0376e-02,  3.2112e-02,
        -9.6228e-02,  6.9798e-02, -9.7901e-02, -1.4132e-01, -6.3392e-03,
        6.9391e-02,  5.7682e-02, -3.7635e-02,  1.0132e-01, -5.5982e-02,
        1.7788e-01,  8.5358e-02, -9.3968e-02, -5.8197e-02,  7.4187e-02,
        -1.9244e-02, -4.3016e-01,  7.7824e-02,  1.6829e-01,  1.6243e-01,
        1.7194e-01,  1.9419e-01, -1.1972e-01, -1.4381e-01,  6.9148e-02,
        2.5401e-02,  7.6719e-02, -1.6760e-01,  1.5702e-01, -7.2328e-02,
        -9.7561e-02, -3.5672e-02, -3.8885e-02,  9.4322e-02,  8.6938e-02,
        8.7179e-02,  5.1751e-02,  1.5058e-01, -3.4390e-02, -2.4066e-02,
        1.5143e-01,  9.3809e-02, -3.9953e-02,  5.4343e-02,  1.0320e-01,
        -5.6371e-02,  1.4083e-01, -2.3338e-01,  7.5199e-02,  1.0286e-02,
        3.1654e-02, -4.1867e-02, -4.3111e-01, -6.0166e-02,  8.1632e-02,
        1.8265e-01, -9.8161e-02,  8.4491e-02, -2.6609e-02, -1.2861e-01,
        1.1630e-01,  1.2708e-01,  5.0550e-03,  1.1764e-01,  1.4569e-01,
        1.1194e-01, -1.8891e-01, -1.1211e-01, -6.1256e-04, -2.2353e-01,
        4.8058e-02, -1.6556e-01, -1.5834e-02, -1.3669e-01, -2.6521e-03,
        -6.4246e-02,  2.1314e-01, -1.3000e-02,  1.1218e-01,  1.5760e-01,
        7.2438e-02, -3.9582e-02, -2.4083e-03,  3.0290e-02,  1.6461e-01,
        -1.5433e-01, -3.4398e-02,  7.3883e-02,  1.0075e-01, -1.8661e-02,
        9.1169e-02, -3.6330e-02,  5.2937e-03, -1.0677e-01,  1.0520e-01,
        -2.3130e-02,  1.4486e-02,  7.0729e-03,  4.7194e-02, -3.3347e-02,
        2.7951e-03,  2.6792e-01,  3.6569e-02,  1.8457e-03, -1.1805e-02,
        -4.0748e-02,  9.0908e-02, -1.6679e-01,  1.7666e-01, -1.4193e-01,
        8.2241e-02, -2.5549e-02, -1.4430e-01,  1.6161e-02, -9.4916e-02,
        -2.0037e-01,  8.7099e-03, -9.1584e-02,  3.1665e-02,  1.3238e-01,
        6.0082e-03, -3.9555e-02, -1.1372e-02, -1.3608e-01,  4.6506e-02,
        -1.2050e-02, -3.0598e-02, -7.3525e-02,  2.5095e-02, -4.2508e-02,
        -1.0667e-01, -7.2973e-02, -7.4369e-02,  2.8125e-01, -2.4505e-01,
        1.0444e-02,  2.8283e-02,  2.7039e-01, -3.1730e-02,  6.3963e-02,
        -4.4288e-02, -3.9010e-02, -2.0485e-02,  4.5093e-01,  3.8113e-02,
        -7.4839e-02,  1.3688e-01, -2.3248e-02, -6.9386e-02,  7.9934e-03,
        4.5066e-02, -3.5169e-02,  1.3084e-02, -1.8794e-01, -8.2626e-02,
        -1.2827e-02, -2.9834e-02, -2.2788e-01,  2.9623e-01, -1.1801e-01,
        -3.2263e-01,  1.9920e-01, -4.7146e-02,  2.9667e-01,  2.5144e-02,
        9.2079e-02,  1.9336e-01, -9.5303e-02,  1.2421e-01,  3.4508e-04,
        2.1290e-03, -1.5180e-01, -2.7464e-02, -2.3024e-01,  1.2041e-02,
        1.4157e-01,  3.4065e-02, -5.3440e-03,  1.8942e-02, -8.1906e-02,
        -1.2152e-01,  7.9849e-03, -6.0887e-02,  1.0931e-01, -3.0591e-02,
        -1.5350e-01,  9.0689e-02, -7.8528e-02,  1.1295e-01,  3.4067e-02,
        -7.5590e-02, -8.0872e-03,  2.8606e-02, -1.4284e-01, -9.0306e-02,
        -8.4351e-02,  1.1579e-01,  3.4376e-02,  3.7182e-02,  1.2174e-01,
        3.1977e-02, -1.9530e-01, -2.1262e-02, -6.0248e-02, -3.0355e-02,
        -2.8658e-02, -1.9452e-01,  3.9533e-02, -3.7050e-02,  3.8634e-02,
        -7.4080e-02, -3.7687e-02,  1.5231e-02, -5.1274e-02, -2.0258e-02,
        9.5439e-02, -6.5920e-02,  4.3576e-02, -2.1264e-01,  9.7182e-03,
        -1.3762e-01, -5.1585e-02, -3.9890e-02, -4.8327e-02, -1.7629e-02,
        -1.2747e-01, -1.3032e-02, -6.6666e-02, -1.5714e-01, -3.7959e-02,
        2.1047e-01, -2.1167e-02,  1.2146e-01, -9.7835e-02,  3.1811e-02,
        4.8670e-02, -2.3083e-01, -1.5943e-01, -6.0170e-02, -1.4022e-01,
        -4.9630e-02, -5.1705e-02, -3.1897e-02,  9.1294e-02,  7.7541e-02,
        1.9456e-02, -7.7047e-02, -8.9552e-03, -8.7819e-02, -1.6900e-01,
        -1.1983e-01, -4.6057e-02, -7.6652e-02, -1.6754e-01,  6.3947e-03,
        -2.8595e-02, -4.2668e-02,  1.0765e-01, -2.0838e-02, -2.1247e-01,
```

8.1104e-02, -8.5604e-02, 6.2280e-02, -1.0637e-01, -9.2188e-02,
-1.3505e-02, -5.4366e-02, 1.3140e-01, 8.6774e-02, -2.0866e-02,
-6.7137e-02, 5.0165e-02, 2.3373e-02, -8.0986e-02, -1.8436e-02,
-6.7068e-02, 1.0537e-02, 3.9848e-02, -1.6695e-01, 2.1376e-01,
-5.4834e-02, -9.4028e-02, 6.1322e-02, 3.0951e-02, -1.0455e-01,
5.9192e-02, 1.8291e-01, -1.9946e-03, -2.2632e-03, -2.6735e-02,
7.7212e-02, -2.1174e-02, 7.1766e-02, 1.3399e-02, 1.9587e-02,
1.1279e-01, -3.0567e-02, 1.7709e-01, 4.5735e-02, -1.0075e-01,
-7.7454e-03, 2.4729e-02, 6.5032e-02, -1.1035e-02, -2.1929e-01,
1.0378e-01, -1.7524e-01, -5.7702e-02, 1.6732e-01, -1.0803e-01,
-6.0087e-02, 1.5866e-01, 1.1874e-01, 1.4268e-01, -3.2474e-02,
-4.0595e-02, -2.3543e-02, 6.1179e-02, 5.3940e-02, -3.8570e-02,
8.8111e-02, 1.5693e-01, -1.1144e-01, -1.6242e-01, 1.2483e-01,
-2.5475e-02, 8.6659e-02, -9.9004e-02, -1.7772e-01, 3.2898e-01,
-1.0882e-01, 1.7215e-01, 2.7841e-02, -5.8281e-01, 3.5106e-01,
6.7809e-02, 2.0077e-01, -1.0081e-01, -6.5825e-02, 2.4345e-02,
1.1530e-01, 7.2148e-02, 1.9272e-02, -9.5148e-02, -1.3865e-02,
-4.8340e-02, 2.2108e-01, 1.1395e-01, 4.2777e-02, -9.8726e-02,
-1.3352e-01, 1.3504e-01, -1.0493e-01, -4.3513e-01, 6.2017e-02,
1.1078e-02, -1.4272e-01, 8.1916e-02, 1.2270e-01, 2.5990e-02,
3.9741e-02, 6.3320e-02, 9.5853e-02, -1.2071e-01, 4.3307e-02,
7.4399e-02, -1.9092e-02, -3.0580e-02, -1.3731e-01, 2.9111e-02,
5.7943e-02, 2.5562e-01, 1.0943e-01, 9.6881e-02, -5.1783e-02,
8.2773e-02, -2.5294e-02, -1.5397e-01, -3.9002e-02, -1.7810e-02,
5.3106e-02, 1.1078e-02, 9.8791e-02, -2.4583e-01, -1.6229e-02,
-7.0624e-02, 1.1583e-01, 1.9940e-02, 1.0581e-01, 2.0998e-01,
1.4669e-01, 8.6711e-02, -4.4424e-02, -1.5461e-01, -7.4195e-02,
-5.6820e-03, -4.6985e-02, -8.7924e-02, -1.2430e-01, 1.4306e-01,
-4.6723e-02, -1.5148e-01, -4.9236e-02, 8.7139e-02, -7.4733e-02,
3.4308e-02, -6.7247e-02, 6.6689e-02, 2.0505e-01, -1.1698e-01,
-1.2084e-01, -3.0408e-02, 2.9062e-01, -7.0664e-02, 1.1121e-01,
6.3411e-02, 2.2773e-01, 5.1301e-02, -3.9256e-02, -7.2275e-02,
1.2266e-01, -3.8883e-02, -9.9428e-04, -6.9307e-02, -9.7961e-02,
-7.8050e-02, 2.7560e-02, -3.7759e-03, -2.9690e-01, -5.4403e-02,
-9.7257e-02, -5.4761e-02, -4.1338e-02, -6.0927e-02, 7.8878e-02,
6.9652e-02, -8.0296e-02, 1.5013e-01, -8.3591e-02, 2.0578e-02,
-4.5876e-02, 7.7927e-02, -6.1012e-02, 1.2144e-01, 2.9358e-02,
-1.5965e-01, 7.5886e-02, 1.5365e-01, 1.9051e-01, 1.5511e-01,
1.7170e-01, 5.5367e-02, 9.7778e-02, -3.5355e-02, -2.2832e-02,
-5.0036e-02, 1.8612e-01, 1.4067e-01, 2.2011e-01, -3.5033e-02,
6.9715e-02, -7.3881e-02, -1.6854e-02, 2.0096e-01, -5.2465e-02,
1.8753e-01, 2.8188e-01, -1.2459e-02, -1.2570e-01, -5.2128e-02,
2.0182e-01, 9.3414e-02, -1.5204e-01, -1.2956e-01, 4.0274e-02,
1.0949e-01, -1.0752e-01, -9.1941e-03, -1.0097e-02, 3.1896e-02,
-1.4839e-01, -1.0698e-01, 1.6914e-01, 2.2115e-01, 7.6941e-02,
-1.9182e-01, 6.5755e-02, 6.3295e-02, 5.6933e-02, 4.9891e-02,
2.4146e-01, -2.5072e-01, -3.6140e-01, 3.4264e-01, 8.8356e-02,
-8.6221e-02, -8.0201e-02, -2.4165e-01, 9.2497e-02, -3.4718e-03,
-3.2370e-02, 4.2090e-02, -2.2070e-01, 1.8650e-02, -1.5905e-01,
1.3128e-02, 9.0369e-02, -2.6941e-02, 7.4281e-02, 2.1550e-01,
-1.0213e-02, -9.4880e-02, -1.5680e-01, 1.4674e-01, -9.5305e-02,
-2.8589e-02, 1.4786e-01, -2.7699e-02, 6.3592e-02, -5.1426e-02,
9.8305e-02, 5.2910e-02, 1.5764e-03, 4.4511e-02, -4.7796e-02,
-1.0270e-01, -2.8379e-02, -9.4828e-02, 2.4305e-01, 3.2509e-02,
-3.4129e-02, -8.7375e-02, 2.3647e-02, 9.2655e-02, -1.2450e-01,
1.3416e-01, -1.2374e-01, 3.2255e-02, -3.9539e-01, 5.6400e-02,
-1.9144e-01, 2.0779e-02, 5.6888e-02, -1.8726e-02, -1.3943e-01,
6.0948e-02, -1.2115e-02, -3.4308e-03, 6.6730e-02, -1.2878e-03,
2.7861e-01, -1.4212e-01, -6.9408e-02, 1.2015e-01, -3.1329e-01,
-1.3759e-01, -1.8756e-01, 9.2899e-02, -6.7712e-02, -8.5712e-02,

8.1199e-02, -1.1973e-01, 3.9957e-02, 3.1153e-02, 1.3504e-01,
-2.0043e-01, 5.6540e-02, -1.1859e-01, -4.0102e-02, 6.4127e-02,
4.5592e-02, 5.1085e-02, 1.4379e-01, -2.4436e-02, 1.6740e-01,
1.4868e-01, -3.5246e-03, 1.3241e-01, 2.8330e-02, -1.2094e-01,
-2.5645e-02, 4.3257e-01, 2.9238e-02, 1.4974e-01, 3.1669e-02,
-6.0321e-02, -4.5145e-02, 1.6575e-01, -5.8480e-02, 6.7127e-02,
-3.9319e-02, -1.7866e-01, 1.8096e-01, 2.0925e-02, -2.9092e-01,
-9.6667e-02, -2.6990e-01, -2.2884e-02, 4.5137e-04, 4.1777e-01,
-1.0425e-01, 7.1558e-02, 3.6790e-02, 2.9791e-02, 2.3821e-02,
-8.5124e-04, -9.1810e-02, 3.0997e-02, 2.8121e-02, 8.8838e-03,
1.4316e-01, 1.3562e-01, -1.9996e-01, -9.5787e-02, -6.4725e-02,
-4.0320e-02, 4.0776e-02, -1.2502e-01, -4.6181e-02, 4.5231e-03,
1.7363e-02, 4.7816e-03, 4.0715e-02, -1.2880e-02, 1.0714e-01,
-6.9398e-02, -1.0993e-02, -3.9348e-02, 2.3922e-01, 4.8454e-02,
-4.0768e-02, -1.1496e-01, -2.4010e-02, -1.6660e-02, 2.9798e-02,
3.2917e-02, 8.7037e-02, -6.0420e-02, 5.4796e-02, -1.5997e-02,
-4.6825e-02, 3.5569e-02, -1.8763e-01, -1.3788e-02, -1.0957e-01,
-1.7400e-01, 1.5440e-02, -9.0398e-02, -1.3411e-01, -2.2248e-01,
5.9613e-02, 1.7036e-01, -6.5130e-02, -5.7369e-01, -1.5677e-01,
1.3053e-01, 5.7156e-02, 9.2448e-02, 9.4752e-02, 3.5291e-02,
1.5834e-02, 1.1515e-01, -1.1712e-01, 2.6123e-02, -1.0264e-01,
9.7651e-02, 2.3622e-02, 3.3577e-02, 1.8052e-01, 3.4826e-03,
4.4877e-02, 3.7030e-02, -1.1932e-01, -6.1307e-02, 4.8025e-02,
-5.7073e-02, 3.9431e-03, 1.5695e-01, -2.5537e-02, 1.2071e-01,
-1.0413e-01, -1.0917e-01, 1.3267e-01, -1.2992e-01, 1.0197e-01,
-4.1253e-02, -2.5935e-02, -1.9940e-01, -2.9376e-02, -1.2958e-02,
-9.5814e-02, -3.1458e-02, 8.3596e-02, 1.3975e-01, -2.0563e-01,
7.8707e-02, 9.5329e-02, 1.0509e-01, -4.3151e-02, -8.6469e-02,
-1.0361e-01, -2.4957e-03, -1.1460e-01, 1.6055e-01, 6.7205e-02,
6.2526e-02, -1.5126e-01, -5.3260e-02, -1.0420e-01, -1.8168e-02,
8.4819e-02, -1.3228e-01, -7.5864e-02, -3.9362e-03, 5.2493e-02,
-7.8960e-03, -4.1139e-02, -2.4370e-03, 2.0759e-02, -1.5071e-01,
-1.2668e-01, 3.5088e-01, -7.3033e-03, -2.8549e-02, 9.6597e-02,
3.5564e-02, 8.0799e-02, 4.9144e-02, -3.2638e-02, 1.0076e-01,
-2.1329e-01, -7.1582e-02, -7.3256e-03], device='cuda:0')

Out[25]: Parameter containing:

```
tensor([0.7646, 0.6559, 0.7124, 0.6324, 0.5561, 0.6854, 0.6320, 0.6575, 0.6045,
        0.6438, 0.7065, 0.6826, 0.5757, 0.6140, 0.8358, 0.6468, 0.7285, 0.7111,
        0.6454, 0.5843, 0.6959, 0.6094, 0.7406, 0.6386, 0.6688, 0.6714, 0.6344,
        0.6540, 0.7553, 0.6669, 0.6017, 0.7231, 0.7137, 0.6470, 0.6485, 0.6739,
        0.6718, 0.5907, 0.6380, 0.7221, 0.6423, 0.6370, 0.6957, 0.7366, 0.6033,
        0.6563, 0.6706, 0.7227, 0.6717, 0.6158, 0.7062, 1.4493, 0.6587, 0.6557,
        0.6279, 0.6746, 0.6518, 0.6500, 0.6914, 0.7046, 0.7197, 0.6693, 0.6410,
        0.6137, 0.6971, 0.6295, 0.6864, 0.6613, 0.6339, 0.6065, 0.6323, 0.6160,
        0.6993, 0.6447, 0.6854, 0.6188, 0.7085, 0.6564, 0.5360, 0.6528, 0.7700,
        0.6311, 0.6469, 0.6276, 0.6685, 0.7339, 0.6856, 0.8359, 0.6511, 0.6618,
        0.7350, 0.6384, 0.6153, 0.6984, 0.6355, 1.0566, 0.6231, 0.6734, 0.6547,
        0.7217, 0.6315, 0.6927, 0.6081, 0.6766, 0.6810, 0.8030, 0.7192, 0.6991,
        0.6768, 0.6469, 0.7104, 0.6573, 0.6472, 0.6668, 0.6483, 0.6303, 0.7101,
        0.6571, 0.6679, 0.6411, 0.6605, 0.7005, 0.6695, 0.6704, 0.6847, 0.6867,
        0.6463, 0.6479, 0.6679, 0.6768, 0.6564, 0.6605, 0.6717, 0.6761, 0.7119,
        0.7198, 0.6632, 0.6468, 0.7032, 0.6476, 0.6736, 0.7469, 0.6613, 0.7011,
        0.6647, 0.6170, 0.6481, 0.6660, 0.6680, 0.6002, 0.6897, 0.5961, 0.6577,
        0.6689, 0.6306, 0.6435, 0.7001, 0.7079, 0.7106, 0.6912, 0.6252, 0.6268,
        0.6872, 0.7047, 0.6413, 0.6809, 0.7063, 0.6590, 0.6643, 0.6051, 0.5589,
        0.6844, 0.6349, 0.6803, 0.6399, 0.6753, 0.6991, 0.6893, 0.5574, 0.7616,
        0.6800, 0.7279, 0.6749, 0.6698, 0.6004, 0.6848, 0.6237, 0.7006, 0.5709,
        0.7384, 0.6584, 0.6398, 0.9053, 0.6944, 0.6272, 0.4529, 0.7518, 0.7029,
        0.6220, 0.6371, 0.6180, 0.6599, 0.7540, 0.6709, 0.6520, 0.7021, 0.6375,
        0.6324, 0.6431, 0.6435, 0.6723, 0.6700, 0.7748, 0.7272, 0.6234, 0.6458,
        0.6961, 0.6077, 0.5970, 0.7082, 0.6765, 0.6678, 0.6613, 0.6100, 0.6464,
        0.6408, 0.6874, 0.6333, 0.6541, 0.8067, 0.6808, 0.6497, 0.7060, 0.6106,
        0.6602, 0.7174, 0.6975, 0.6354, 0.6559, 0.6380, 0.6918, 0.5880, 0.6012,
        0.4797, 0.6786, 0.6448, 0.6319, 0.7229, 0.6472, 0.6841, 0.6701, 0.7022,
        0.6397, 0.6207, 0.6501, 0.6524, 0.6841, 0.6106, 0.6546, 0.6433, 0.7538,
        0.6634, 0.7205, 0.6356, 0.8232, 0.5183, 0.6415, 0.6815, 0.6551, 0.6794,
        0.6571, 0.6607, 0.6931, 0.6077, 0.6397, 0.6412, 0.7730, 0.6495, 0.6139,
        0.6219, 0.6467, 0.6671, 0.6771, 0.6026, 0.6195, 0.6524, 0.6990, 0.6485,
        0.6312, 0.6798, 0.6733, 0.7053, 0.5088, 0.6570, 1.9259, 0.6033, 0.6873,
        0.6508, 0.6760, 0.6641, 0.6716, 0.6389, 0.6729, 0.7353, 0.5886, 0.6373,
        0.6138, 0.5714, 0.6974, 0.6596, 0.6317, 0.6184, 0.7272, 0.5714, 0.6223,
        0.5478, 0.6540, 0.6788, 0.6484, 0.6507, 0.7240, 0.6585, 0.7149, 0.6721,
        0.7115, 0.6834, 0.7019, 0.6961, 0.7003, 0.6953, 0.6517, 0.6486, 0.6525,
        0.7632, 0.5926, 0.6489, 0.6970, 0.7839, 0.6840, 0.5677, 0.7062, 0.6914,
        0.7011, 0.6953, 0.6120, 0.5918, 0.6389, 0.6752, 0.6767, 0.6925, 0.6834,
        0.6608, 0.5922, 0.6885, 0.6569, 0.6950, 0.5606, 0.7023, 0.6539, 0.6511,
        0.6978, 0.6144, 0.6365, 0.6650, 0.5442, 0.6658, 0.6557, 0.6514, 0.5562,
        0.6669, 0.6419, 0.6466, 0.6597, 0.6771, 0.6157, 0.6712, 0.6442, 0.6819,
        0.6931, 0.6659, 0.6827, 0.6863, 0.6673, 0.7904, 0.6503, 0.6014, 0.6577,
        0.6478, 0.5730, 0.6053, 0.6453, 0.6105, 0.6228, 0.7380, 0.7121, 0.4522,
        0.6207, 0.6616, 0.6224, 0.6194, 0.6363, 0.6071, 0.6769, 0.6460, 0.6806,
        0.7223, 0.6216, 0.6431, 0.6210, 0.7155, 0.7029, 0.6828, 0.5446, 0.6532,
        0.6424, 0.6223, 0.7176, 0.7318, 0.5871, 0.6470, 0.5926, 0.6534, 0.6903,
        0.6148, 0.5936, 0.6554, 0.6906, 0.6371, 0.6167, 0.5993, 0.6428, 0.7012,
        0.6674, 0.6671, 0.7552, 0.7189, 0.6284, 0.6199, 0.6368, 0.6865, 0.6130,
        0.6823, 0.6258, 0.7175, 0.6562, 0.5805, 0.6676, 0.6942, 0.6181, 0.6428,
        0.6568, 0.7498, 0.6605, 0.6696, 0.6547, 0.6196, 0.6523, 0.6043, 0.6166,
        0.5925, 0.6601, 0.6182, 0.7071, 0.6345, 0.6436, 0.6352, 0.6622, 0.6893,
        0.6279, 0.6271, 0.6285, 0.6881, 0.6086, 0.6062, 0.6363, 0.6649, 0.6465,
        0.6116, 0.8826, 0.7627, 0.6696, 0.6397, 0.6199, 0.6692, 0.7940, 0.6555,
        0.6290, 0.6574, 0.6241, 0.7010, 0.6748, 0.6622, 0.6911, 0.6799, 0.6685,
        0.7364, 0.6835, 0.6361, 0.6431, 0.6242, 0.6331, 0.6516, 0.6506, 0.6730,
        0.6866, 0.6882, 0.6238, 0.5667, 0.6201, 0.6526, 0.7057, 0.6229, 0.7155,
        0.6282, 0.6883, 0.7058, 0.6993, 0.7043, 0.6543, 0.6410, 0.6427, 0.6663,
        0.7112, 0.6194, 0.7195, 0.6628, 0.6340, 0.5184, 0.5966, 0.7851, 0.6904,
```

0.6007, 0.6793, 0.7070, 0.6608, 0.6635, 0.6161, 0.7070, 0.5846, 0.5380,
0.6167, 0.8667, 0.6487, 0.6900, 0.6465, 0.8466, 0.5846, 0.6539, 0.6510,
0.6833, 0.6851, 0.6791, 0.7014, 0.6590, 0.6721, 0.6980, 0.6697, 0.7201,
0.6953, 0.6699, 0.6537, 0.6091, 0.6800, 0.6681, 0.8081, 0.6184, 0.6786,
0.6551, 0.6384, 0.6465, 0.5524, 0.5349, 0.6203, 0.6304, 0.6595, 0.6468,
0.6406, 0.6666, 0.5882, 0.6949, 0.6626, 0.6691, 0.6635, 0.7049, 0.6591,
0.6653, 0.7845, 0.6860, 0.6207, 0.5943, 0.6381, 0.6836, 0.6567, 0.6585,
0.7050, 0.6707, 0.6983, 0.6555, 0.6527, 0.6637, 0.6952, 0.6754, 0.7012,
0.6783, 0.7205, 0.6622, 0.6782, 0.6399, 0.7268, 0.7189, 0.5851, 0.6708,
0.6395, 0.6755, 0.6843, 0.6882, 0.6176, 0.7046, 0.6521, 0.6707, 0.6785,
0.6493, 0.6708, 0.6660, 0.6432, 0.6891, 1.1306, 0.6720, 0.6834, 0.7228,
0.6655, 0.6418, 0.6945, 0.6516, 0.5951, 0.6608, 0.6345, 0.5787, 0.7228,
0.6153, 0.6707, 0.6401, 0.6406, 0.6739, 0.6487, 0.6219, 0.6329, 0.5321,
0.6695, 0.6983, 0.5978, 0.6532, 0.5583, 0.6583, 0.7055, 0.6404, 0.6607,
0.7006, 0.6616, 0.6055, 0.5416, 0.5925, 0.6497, 0.6596, 0.6800, 0.6423,
0.6214, 0.6740, 0.6975, 0.6476, 0.6841, 0.6661, 0.7067, 0.6463, 0.6579,
0.6666, 0.7084, 0.6340, 0.6462, 0.6348, 0.6344, 0.6536, 0.6661, 0.6805,
0.8186, 0.6681, 0.6910, 0.5310, 0.5619, 0.5407, 0.6472, 0.6613, 0.6552,
0.6016, 0.6733, 0.6271, 0.6507, 0.6625, 0.7022, 0.6372, 0.6945, 0.6414,
0.5836, 0.6425, 0.6930, 0.7715, 0.6059, 0.6870, 0.7519, 0.6721, 0.7406,
0.6408, 0.6372, 0.6769, 0.6598, 0.6321, 0.6196, 0.7047, 0.6334, 0.7984,
0.7300, 0.6784, 0.7251, 0.6414, 0.7400, 0.6362, 0.7242, 0.6064, 0.6627,
0.6675, 0.6574, 0.6033, 0.6842, 0.6336, 0.6199, 0.7465, 0.6792, 0.7752,
0.6967, 0.6780, 0.7132, 0.6463, 0.6972, 0.7146, 0.6546, 0.6671, 0.6698,
0.7709, 0.6588, 0.9841, 0.6564, 0.6969, 0.6741, 0.6466, 0.6474, 0.6798,
2.2964, 0.6174, 0.6507, 0.7047, 0.6568, 0.6770, 0.6963, 0.6702, 0.7203,
0.5853, 0.6326, 0.6517], device='cuda:0')

Out[25]: Parameter containing:

```
tensor([ 5.4040e-02, -3.5778e-02, -1.3340e-01, -5.7743e-03,  4.8451e-02,
        -1.5085e-01,  4.4354e-02, -1.7809e-01,  8.4347e-02, -2.0635e-01,
         9.7113e-02, -2.8917e-01, -4.3328e-02, -2.5821e-01,  2.7194e-01,
        -5.6672e-02,  2.1340e-01, -1.5129e-01,  4.7811e-02, -1.2518e-01,
         9.8569e-03,  2.1857e-01,  9.6108e-02, -2.0733e-01, -1.0376e-01,
        -1.4464e-01, -2.9415e-02, -1.3128e-01, -7.8361e-02,  7.2511e-02,
         9.1144e-03, -2.2256e-01,  3.7707e-02,  6.5315e-03,  3.9140e-02,
         1.8249e-01, -3.8289e-02, -1.1347e-01, -4.0455e-02,  2.3230e-01,
        -2.7320e-02, -1.3585e-01, -5.0391e-02, -3.7034e-03,  8.1713e-02,
         5.6414e-02,  1.2770e-01,  1.5223e-01, -5.9658e-02, -1.3735e-01,
        -1.2524e-02,  9.9423e-01, -5.8995e-02, -3.2923e-02,  9.8667e-03,
        -8.3135e-02, -1.3742e-01, -4.7096e-02,  1.7804e-01, -1.0552e-01,
         1.1371e-01,  5.9899e-02,  4.4519e-02, -4.7302e-02,  5.7975e-04,
        -1.4551e-01, -3.1837e-01,  1.3487e-01, -1.7203e-01, -1.8173e-02,
        -6.2167e-02,  5.2057e-02, -6.1706e-02, -3.7828e-02,  7.8265e-02,
        -1.6244e-01, -8.2421e-02, -7.7997e-02,  2.7770e-02, -8.7517e-02,
         9.9658e-02, -8.7038e-02, -8.6436e-02,  5.0738e-02,  2.0199e-02,
        -1.3235e-01,  5.4321e-02,  1.0536e+00, -1.0672e-01,  2.3320e-02,
        -1.4032e-01, -1.8292e-01,  9.0602e-02, -6.8815e-02, -7.7703e-02,
        -1.5611e-01, -1.1864e-01,  1.7670e-02, -2.0277e-02, -1.7155e-01,
         1.4361e-01, -5.9272e-03,  1.8571e-02,  5.2785e-02,  2.4129e-01,
         2.6538e-01,  1.2934e-01, -1.4892e-01,  1.5772e-01, -6.9983e-02,
        -2.9521e-01,  8.6533e-02, -7.0423e-02, -6.1706e-02, -5.0136e-02,
        -1.6874e-01, -1.7652e-01,  3.4610e-02,  2.9437e-02, -1.8168e-02,
        -5.2737e-02, -4.4683e-02,  1.2191e-02,  1.3591e-01, -1.9273e-01,
        -3.9267e-02, -1.0059e-01, -4.6993e-02,  9.1402e-03, -1.7906e-01,
         6.9365e-02, -1.5504e-01, -2.1082e-01,  2.6430e-02, -6.6210e-02,
        -6.1062e-02, -1.1513e-01, -1.0218e-01,  8.2086e-02,  1.2245e-01,
        -8.4445e-02, -9.3198e-02,  1.2289e-01, -9.1524e-02,  9.3138e-02,
         2.1889e-02,  1.1318e-01, -2.4496e-03,  8.9592e-02,  1.3901e-02,
         9.6671e-02, -9.5836e-02,  1.4888e-01, -3.5361e-01, -8.5840e-02,
         2.3213e-02,  8.9268e-02,  5.0124e-02, -7.5982e-02, -9.6534e-02,
        -2.1156e-01, -1.5977e-01, -1.0766e-01,  6.2642e-02, -9.7756e-02,
        -8.9639e-02,  1.1459e-02,  1.8554e-01, -5.4082e-03,  3.3485e-02,
        -1.6651e-01,  9.5241e-02,  5.6884e-02, -1.6236e-01,  5.9337e-02,
         9.4831e-02,  5.3643e-02, -4.7584e-02, -1.8143e-01, -4.5408e-02,
         4.0994e-02, -4.7107e-02, -4.2331e-02,  2.1443e-01, -4.2633e-03,
         6.7001e-02,  8.3645e-02,  2.6545e-02, -3.4270e-01,  1.1657e-02,
        -1.2083e-01,  1.4241e-02, -8.1528e-02, -1.0214e-01, -4.6723e-02,
        -6.4981e-02, -5.8477e-01, -1.0256e-02, -1.6397e-01, -1.4205e-03,
        -3.3206e-01, -2.0902e-01,  1.5190e-01, -3.5624e-01, -1.3536e-01,
         2.1155e-01,  9.3966e-02,  3.8178e-02, -3.3242e-02, -8.0461e-02,
         3.5861e-02, -1.4131e-02, -1.5120e-01, -9.6247e-02, -1.5084e-01,
        -1.8205e-01, -2.1042e-01,  1.2363e-01,  7.1208e-02, -1.6683e-01,
         1.1584e-01,  3.4290e-02,  3.7686e-02, -5.3283e-02, -9.1192e-02,
         6.0262e-02,  9.4287e-02, -1.8995e-02,  2.1268e-01,  2.6078e-01,
         1.6809e-01, -2.1974e-01, -1.3053e-01, -2.5913e-01, -7.7895e-02,
        -3.0473e-02,  6.5488e-02, -1.6127e-01, -1.2124e-01,  3.7726e-02,
         6.4695e-04, -9.9301e-02,  1.0875e-01, -1.2503e-01, -1.0948e-01,
         2.9826e-03, -3.0978e-01,  2.3829e-03, -8.1917e-02, -4.4238e-02,
        -3.4993e-02,  8.9237e-02,  1.2862e-01, -8.1664e-02,  1.4929e-02,
        -9.8412e-02,  7.4471e-02, -1.4067e-02, -3.0550e-02, -7.2707e-02,
         4.1921e-01, -1.7998e-02, -1.5079e-01, -7.7880e-02,  8.7284e-02,
        -8.5436e-02, -1.5516e-01, -6.9033e-03, -9.0474e-03, -1.7017e-01,
        -3.8218e-02, -8.1709e-02, -2.3593e-02, -1.3518e-01,  9.9827e-02,
        -1.8347e-01, -9.5933e-02, -1.1446e-01, -9.0472e-02, -2.5951e-01,
        -2.5297e-02, -6.0837e-02,  1.9685e-02,  5.9447e-03, -3.9479e-02,
        -1.6607e-02,  3.3736e-01, -1.7681e-02,  3.3853e-02,  6.2997e-02,
        -7.5459e-02,  9.4896e-02, -9.6037e-02,  7.0407e-02,  8.6949e-01,
```

8.0840e-02, 1.1015e-01, -1.4028e-01, 1.9924e-01, -8.9884e-02,
2.5740e-02, 9.3917e-02, -2.5604e-01, -1.2787e-01, -8.6601e-02,
2.0914e-02, -1.4236e-01, -1.7629e-01, 6.0772e-02, 1.6350e-02,
1.1366e-01, -2.1810e-01, 1.0309e-03, -5.0125e-02, 5.7883e-02,
4.2946e-02, 1.1491e-01, 1.9180e-01, 1.7739e-02, -5.3559e-02,
-1.3363e-01, -2.8552e-01, -1.2567e-01, 3.5798e-03, 1.1416e-01,
-2.6548e-01, 1.7669e-01, -2.1281e-02, -2.6166e-03, -3.1957e-02,
2.1558e-02, 1.3197e-02, 6.5094e-03, -4.5198e-01, -1.4894e-01,
-8.0532e-02, 7.3498e-02, -4.8102e-01, 1.4662e-01, -9.0782e-02,
-2.1241e-02, 9.5104e-02, -2.5002e-01, -1.3760e-01, 1.6852e-01,
8.2808e-02, 7.3360e-02, -1.0171e-01, -1.4579e-01, -2.4688e-02,
1.3679e-01, -1.8580e-01, 1.4736e-01, 1.2592e-01, 8.9101e-02,
-3.7520e-01, -2.5750e-02, 1.0493e-01, -5.4754e-02, -1.1033e-01,
-1.4867e-01, -3.4874e-02, 1.5455e-02, -1.9676e-02, -3.6136e-01,
-6.8813e-03, 3.3479e-02, -7.7711e-02, 2.4954e-01, -2.3339e-01,
-2.7392e-02, -1.6068e-01, 1.7364e-02, -1.8235e-01, -8.0837e-02,
-9.0881e-02, -2.8118e-02, -1.1121e-01, -1.0768e-01, -2.2963e-02,
3.9375e-02, -2.1392e-01, 7.2590e-03, 1.4477e-02, 1.9302e-02,
1.8225e-01, -1.4116e-01, 6.6046e-02, -4.2874e-02, 9.5683e-02,
3.4610e-03, 4.2125e-02, 2.7861e-03, 3.4933e-02, 1.1534e-01,
-1.6942e-01, -1.6901e-01, -9.5525e-02, -7.8148e-02, -3.6947e-02,
-7.1879e-02, -3.4232e-02, 1.3786e-01, 2.0896e-01, 2.6049e-02,
9.0237e-02, -6.2792e-03, -8.7066e-02, -5.9990e-02, -3.5664e-02,
-2.5920e-01, -1.5547e-01, 2.5417e-03, 1.7894e-01, -8.5222e-02,
-1.0469e-01, 1.8780e-02, 1.8460e-01, -5.9216e-02, 1.2568e-02,
-7.5185e-02, 1.5762e-01, -2.0536e-01, -1.1767e-01, -1.5963e-01,
-6.9984e-02, 5.2346e-03, 6.1555e-02, 1.2873e-01, -3.5888e-02,
-1.6941e-01, 1.6774e-01, -4.2644e-03, 7.6506e-02, -1.5398e-01,
2.5308e-01, 7.9787e-02, -4.1533e-02, -1.3771e-01, 1.8001e-02,
2.2684e-01, -9.5356e-02, -9.4903e-02, -1.6785e-01, 1.2473e-01,
2.7639e-02, -1.9117e-01, -1.6386e-01, -4.6663e-02, -9.7554e-02,
1.0607e-02, -3.1306e-01, -1.0431e-01, -2.6931e-02, -1.3465e-01,
-2.1923e-02, -3.2038e-02, 5.3191e-02, 1.1579e-01, -1.9773e-01,
-3.5507e-02, -4.3344e-02, -4.6734e-02, 1.2910e-01, 7.1301e-02,
-1.0171e-01, 3.1461e-02, -1.1251e-02, 8.0094e-02, -2.7278e-01,
-1.0197e-01, -1.1206e-02, -1.2850e-01, -2.1912e-01, -1.9496e-01,
-1.2389e-01, -7.9757e-02, 1.5530e-02, -1.0478e-01, -8.3804e-02,
-4.5584e-02, 6.2114e-02, 3.4651e-02, -1.9471e-01, -3.9013e-01,
3.7913e-02, -1.8057e-01, 3.3179e-03, -7.2642e-02, -8.9535e-02,
9.1493e-02, -9.4905e-02, -1.9713e-01, -1.3817e-01, -3.1394e-01,
-1.0465e-01, -1.1747e-01, -5.4921e-02, -4.5497e-02, -2.0906e-01,
-1.6814e-01, -1.0347e-01, 1.1312e-01, -2.5317e-01, 9.3117e-02,
-1.3070e-01, 8.8955e-02, -1.5885e-01, 2.6191e-02, -1.3554e-01,
1.0411e-01, 2.2431e-02, -9.2356e-02, 8.6546e-02, -3.3337e-02,
1.6124e-01, 1.1174e-01, -3.2234e-01, -1.6348e-02, -1.2245e-01,
-6.9514e-02, -8.8715e-02, -3.2993e-02, -1.0061e-01, -1.1268e-01,
4.6537e-02, 1.5459e-01, 6.8325e-02, -1.4181e-01, -3.9602e-02,
2.7490e-02, -1.6402e-01, -6.5831e-02, 2.5239e-01, 2.6458e-02,
-2.1398e-01, -2.3284e-01, 1.9722e-01, 2.8761e-02, 2.3570e-01,
-1.4019e-01, -6.0706e-02, 2.8799e-02, 7.8475e-02, -1.1282e-02,
-1.0672e-01, -3.9694e-03, 8.7900e-02, -6.4452e-02, 4.8185e-02,
4.9482e-02, -2.5528e-01, 2.2900e-02, 3.0739e-02, 1.9190e-02,
1.5728e-01, -5.4013e-02, -7.3398e-02, 2.0125e-01, -2.8773e-02,
-7.6978e-02, -1.3980e-01, 5.9396e-02, -1.4338e-01, -5.1674e-01,
6.5044e-02, -1.4692e-02, 9.8258e-02, 1.5279e-02, -1.2142e-01,
3.7830e-02, -1.4773e-02, -2.5599e-02, 1.8582e-01, -2.1967e-02,
7.6639e-02, -1.9100e-01, 8.5511e-02, -3.5647e-02, -5.9213e-02,
-1.1537e-01, -1.3014e-01, 7.2864e-02, -8.3987e-02, 1.5362e-01,
-6.8872e-02, 3.9364e-01, -7.8222e-02, -3.5293e-02, 5.6269e-02,
4.3164e-02, 1.4930e-02, -4.2792e-02, -1.5576e-01, -8.0600e-02,

```
1.4413e-02, 2.2842e-01, -2.1102e-02, 1.6893e-02, 3.9732e-02,
1.6295e-01, -9.2539e-03, 1.3117e-03, 1.0896e-01, -6.6697e-03,
1.6370e-01, 1.3697e-02, -6.5941e-02, -3.5643e-01, -1.1888e-01,
6.4284e-02, -4.6448e-02, -7.5388e-02, 4.6180e-02, 8.1620e-02,
-1.5858e-01, -3.7566e-02, 1.7724e-01, -7.4153e-02, 1.0363e-01,
6.9746e-02, -2.1039e-01, -1.1227e-01, -1.7297e-01, -1.7957e-01,
3.2295e-01, 4.3603e-01, -7.4754e-02, 2.5826e-01, -3.1037e-01,
-8.3762e-02, 5.1315e-03, -1.4256e-02, -1.1992e-01, -7.9083e-04,
3.7386e-02, -1.2428e-01, 2.5305e-01, -7.3730e-02, 1.1750e-01,
4.4656e-02, 1.5866e-02, -1.4954e-01, -5.6828e-04, -1.0234e-01,
-9.5752e-02, -3.5357e-02, 1.0637e-01, 1.4275e-01, 1.5739e-01,
-8.9838e-02, 4.8217e-03, 6.0015e-02, -9.0899e-02, 2.1689e-01,
-1.5622e-01, -1.0115e-01, 2.7488e-01, -1.0012e-01, -2.4697e-02,
-1.6610e-01, 4.8278e-02, -5.5252e-02, -1.9664e-01, 1.6551e-01,
-9.9563e-02, -1.6683e-01, 6.4017e-02, 1.2253e-01, -1.0087e-01,
-1.2156e-01, -2.4151e-01, 1.1357e-01, -3.2664e-02, -1.4217e-02,
-1.3462e-01, 9.7758e-02, 5.9947e-02, 8.9423e-02, -1.1800e-01,
-1.8785e-01, -1.6951e-01, 5.6242e-02, 7.1716e-02, 2.7767e-01,
-4.9105e-02, -2.6275e-01, 1.6240e-01, 1.2749e-02, 8.7190e-02,
-2.0395e-01, 4.5670e-03, -1.6386e-01, -3.9471e-02, 1.7267e-02,
-1.7792e-01, 5.3776e-02, -1.2516e-01, -2.1877e-01, -4.9002e-02,
-1.0823e-01, 4.1237e-03, 9.3667e-02, -1.5752e-01, -2.6576e-02,
1.3518e-02, -1.3864e-01, -9.8890e-02, -6.4554e-02, -1.2432e-02,
3.0348e-01, -1.8132e-02, -1.2355e-01, 1.7439e-02, -3.1735e-02,
9.2643e-03, -2.2956e-02, -7.1329e-02, 6.4846e-02, -5.9583e-01,
1.5822e-01, 4.8595e-02, 8.3580e-02, -5.5072e-02, 2.6720e-02,
2.5205e-02, 1.9953e-01, -7.3094e-02, -8.5697e-02, 5.7081e-03,
2.4314e-03, -2.6999e-01, 1.3338e-01, -2.4449e-02, -1.6699e-01,
-8.5341e-03, 1.3624e-01, 2.4513e-01, -2.5540e-01, 3.6605e-01,
6.1388e-02, 1.1685e-01, 8.2223e-02, 1.6950e-01, -4.1068e-02,
-9.6509e-02, 2.8354e-02, 2.4307e-01, 9.6572e-02, -1.1430e-01,
-1.7232e-02, 4.5706e-02, -8.6687e-03, -1.0368e-01, -1.0668e-03,
-4.6949e-02, -3.8867e+00, 1.1260e-01, -1.5895e-01, -3.7143e-02,
-5.7369e-02, -4.3923e-02, -4.3043e-01, -9.7146e-02, 2.2146e-01,
-5.8565e-02, 1.6974e-01, -1.6521e-01], device='cuda:0')
```

Out[25]: Parameter containing:

```
tensor([[ -0.0057, -0.0351,  0.0090, ..., -0.0108,  0.0596, -0.0173],
        [  0.0397,  0.0142, -0.0295, ..., -0.0618, -0.0835,  0.0495],
        [ -0.0301, -0.1030,  0.0362, ...,  0.0014,  0.0294, -0.0535],
        ...,
        [ -0.0560, -0.0142,  0.0597, ..., -0.0462,  0.0234, -0.0018],
        [  0.0303, -0.0246, -0.0103, ..., -0.0551, -0.0067,  0.0101],
        [  0.0263, -0.0059, -0.0464, ...,  0.0078,  0.0493, -0.0305]],
        device='cuda:0')
```

Out[25]: Parameter containing:

```
tensor([-0.1292,  0.0032, -0.1351, ..., -0.0653, -0.0801, -0.1839],
        device='cuda:0')
```

Out[25]: Parameter containing:

```
tensor([[ -0.0166, -0.0513, -0.0704, ...,  0.0246,  0.0155,  0.0596],
        [ -0.0711,  0.0385,  0.0242, ..., -0.0192,  0.0160,  0.0596],
        [  0.0308,  0.0082,  0.0271, ...,  0.0083,  0.0351, -0.1181],
        ...,
        [  0.0253, -0.0202, -0.0722, ...,  0.0670,  0.0215,  0.0229],
        [ -0.0377, -0.0048, -0.0155, ..., -0.0214, -0.0170,  0.0687],
        [ -0.0176, -0.0345, -0.0149, ...,  0.0018, -0.0085, -0.0510]],
        device='cuda:0')
```

Out[25]: Parameter containing:

```
tensor([ 1.1105e-01, -4.9333e-03, -7.9745e-02, -1.1637e-01,  2.6669e-01,
        -1.4560e-02,  2.2422e-01, -1.1924e-01,  2.2104e-01, -2.5751e-03,
        -1.0157e-01, -1.7550e-02,  2.2312e-02, -8.2282e-02,  2.2612e-01,
        1.2671e-01,  7.8277e-02,  7.2960e-02, -5.0217e-03,  1.1128e-01,
        6.7648e-02,  4.4296e-02, -2.5742e-03,  5.6241e-02, -1.3372e-01,
        -1.0104e-01, -1.5623e-03,  2.8715e-02,  4.6407e-02,  3.7233e-02,
        -5.5008e-02, -1.0526e-01, -5.0571e-03,  2.5362e-01,  1.1705e-01,
        -3.7810e-02, -1.8075e-01, -3.0129e-02,  1.1780e-01,  5.8489e-02,
        -2.1397e-01, -6.7186e-02, -9.4765e-02, -6.0720e-02,  1.0029e-01,
        8.3926e-02, -3.8469e-02, -9.5789e-02,  1.1103e-01,  6.3636e-02,
        9.6595e-02, -1.7927e-01, -2.1778e-01,  2.9116e-01, -9.6404e-02,
        -1.2239e-01, -6.9799e-02, -9.7223e-02, -4.7623e-02,  1.0693e-01,
        -3.9096e-02, -7.2992e-02,  8.6472e-02,  4.0864e-03, -1.1687e-01,
        1.2954e-01, -3.2936e-02,  2.3565e-01, -5.0273e-02,  6.6874e-02,
        -4.7227e-02,  8.9471e-02, -1.6942e-01, -1.1071e-01,  2.5979e-01,
        3.2118e-02, -1.2596e-01, -7.9181e-02,  4.1877e-01,  9.4405e-02,
        -6.3443e-02, -1.1186e-01,  1.8020e-01,  3.6511e-02,  2.8888e-01,
        3.4834e-02, -5.5021e-02, -4.1592e-01,  1.1123e-01, -8.1603e-02,
        1.2397e-01,  5.1177e-02,  5.7232e-02, -1.1301e-01, -5.6763e-02,
        1.8547e-01, -9.6788e-02,  2.5974e-02,  1.1225e-01, -2.3351e-02,
        5.3483e-02,  1.3017e-01,  5.0960e-03, -6.1078e-02,  4.0685e-01,
        1.1932e-01, -3.8424e-02, -2.3650e-02, -5.9659e-02,  1.4649e-01,
        -1.4571e-01, -5.7290e-02,  4.5240e-02,  1.4037e-01, -1.3900e-01,
        9.2123e-02, -5.4001e-02,  5.9673e-03,  1.0998e-01,  1.5620e-01,
        -1.6279e-01, -6.8220e-03, -2.9852e-01,  1.0466e-01, -1.5535e-01,
        -9.0045e-03,  2.9063e-03, -7.3598e-02,  5.0580e-02, -3.7637e-02,
        1.1762e-01, -4.5885e-02, -1.7795e-01,  6.5196e-02,  2.0470e-01,
        -7.0895e-02,  6.6881e-02, -1.5094e-01,  1.8229e-01,  1.8689e-02,
        -1.6232e-02,  1.9333e-02, -6.2107e-03, -8.9579e-02, -5.5894e-02,
        -8.5595e-03,  1.1176e-01,  4.7265e-02,  1.4568e-01,  2.3381e-02,
        9.6605e-03, -5.0418e-03,  1.7572e-01, -1.1674e-01,  8.7010e-02,
        -1.3831e-01,  1.1368e-03, -1.1131e-01, -1.6684e-01, -2.6243e-02,
        1.5673e-01,  2.4072e-03, -1.2539e-01, -1.7819e-01,  3.8591e-02,
        -5.9108e-02, -8.2149e-02, -1.1854e-01,  2.1336e-01,  1.0112e-01,
        -3.3443e-02,  3.9497e-02,  8.0667e-02, -2.6905e-02, -1.3892e-01,
        -1.1819e-01, -4.3495e-02,  1.9467e-02,  2.2383e-02,  5.6038e-02,
        -8.5561e-02, -4.0760e-02,  3.2030e-02,  1.6668e-02, -1.8371e-02,
        1.1697e-01, -1.7527e-01, -1.7357e-01, -1.8777e-01,  1.4275e-01,
        2.1016e-01,  9.7582e-02, -2.2284e-01,  8.5147e-02,  1.2845e-02,
        1.0204e-01,  5.5193e-01, -1.3161e-01, -2.3252e-01, -7.7663e-02,
        -7.1296e-02, -6.1070e-02,  1.5394e-01,  2.4388e-02, -4.8715e-02,
        1.0807e-01,  4.9793e-02,  8.3619e-03,  1.2726e-01,  2.0670e-02,
        2.5061e-02, -2.2652e-02,  1.0632e-01, -1.0801e-02, -5.7070e-02,
        -1.8501e-01, -3.2086e-02, -1.1310e-01,  8.4624e-02,  5.2065e-02,
        -5.3372e-02, -3.3541e-02,  7.4994e-03, -1.2851e-01, -2.3562e-01,
        2.4397e-02,  8.9154e-02,  1.7554e-01,  5.0469e-02,  8.3747e-02,
        9.4788e-02, -3.9841e-02,  1.2476e-03, -1.5189e-01,  4.8680e-02,
        -9.2858e-02,  1.7125e-01, -4.6506e-02,  6.3761e-02,  3.1751e-02,
        4.7784e-02,  1.8970e-02,  3.6162e-02, -7.6221e-02,  6.8402e-02,
        1.2457e-01,  6.2476e-02,  2.3388e-02, -5.7954e-03, -1.5678e-01,
        4.8906e-02,  1.0845e-01,  1.5930e-01, -1.1752e-01, -1.9655e-01,
        1.2308e-01, -1.4280e-01, -2.4659e-01,  1.0333e-01, -2.0249e-01,
        9.1352e-02,  1.0450e-01, -1.7893e-01,  2.2051e-01,  3.9224e-02,
        -5.9618e-02,  5.8297e-02, -1.2641e-01,  6.0631e-02,  1.2690e-02,
        -4.7884e-03, -5.0731e-02, -6.0893e-02, -2.6396e-01,  1.7911e-02,
        7.5109e-02, -5.2074e-02, -1.2961e-01,  1.8276e-02,  1.2322e-01,
        -3.8951e-02,  9.3419e-03,  9.8413e-02,  5.6766e-03,  1.3419e-01,
        -1.2698e-01, -2.0799e-01,  4.8589e-03, -1.2503e-01, -5.3536e-02,
        -1.5333e-01, -1.1600e-01, -5.2444e-02,  2.6500e-02,  3.7210e-01,
```

1.0441e-02, -3.6637e-01, 3.4108e-02, 5.5975e-02, 8.6072e-02,
-1.1540e-01, 1.6628e-01, 4.2179e-02, 4.0233e-02, 2.4977e-01,
5.2966e-02, 1.3463e-01, 7.8316e-02, 7.2900e-02, -6.1096e-02,
-1.5653e-01, -1.2997e-01, -7.4767e-02, -2.0553e-01, 4.6846e-02,
3.7136e-01, 6.2101e-02, 2.1745e-01, 2.9707e-03, -1.2271e-01,
1.0391e-01, -3.4880e-03, 3.1978e-02, -1.1365e-02, 1.2411e-01,
-2.4995e-02, 1.5395e-01, -1.8569e-01, 7.5364e-02, 2.1718e-02,
-2.0546e-02, -9.4057e-02, -1.6365e-02, 6.9435e-02, -1.8799e-01,
-9.0925e-02, -2.5955e-02, 8.3136e-02, 1.0760e-01, -3.1100e-01,
-1.5292e-03, 5.3752e-02, -7.4741e-02, -1.2474e-01, 6.5772e-02,
4.9133e-02, 1.0879e-01, 2.0386e-02, 1.4365e-01, -1.3641e-01,
1.4991e-01, 1.0158e-01, 1.9264e-02, -5.7925e-02, 5.0267e-02,
4.5897e-02, 1.2927e-01, 1.7383e-02, -2.4020e-03, -2.8281e-01,
-6.8048e-02, -1.4031e-01, 1.0624e-01, -1.4375e-01, 8.8109e-02,
-1.0812e-02, -1.3370e-01, 2.6817e-02, -7.0117e-02, -1.9727e-01,
1.7298e-01, 3.7352e-02, 3.1852e-02, -1.1527e-01, 7.8030e-02,
8.5695e-02, 5.1630e-02, -6.4487e-02, 4.6404e-02, -3.1499e-02,
-2.3111e-01, -5.3780e-02, -9.4886e-03, -2.0394e-01, -1.4649e-01,
1.9012e-01, -5.4774e-02, 4.7360e-02, -2.7244e-01, -2.1168e-02,
-7.0155e-02, -5.2842e-02, 8.0670e-02, 1.2214e-02, 1.2565e-01,
-1.0079e-01, 1.0446e-01, 1.6393e-01, -6.4997e-02, -7.1450e-02,
5.1110e-02, -1.2935e-01, -7.7778e-03, 5.3998e-02, -7.6512e-02,
7.5431e-02, 1.2623e-01, -3.7306e-03, 8.9304e-02, 4.3111e-02,
-5.7926e-03, 1.0424e-02, 3.0237e-01, -6.0395e-02, -6.3632e-02,
-4.0361e-03, 1.0577e-01, -8.5705e-02, 3.1471e-01, 8.8665e-02,
-4.8608e-02, -5.7744e-02, -8.7696e-03, 1.1069e-01, 2.5497e-03,
2.6713e-02, -1.4323e-01, 2.0760e-02, 4.0254e-02, -4.2757e-02,
6.1468e-03, 1.1357e-01, 7.9391e-02, 4.0059e-02, -1.6889e-01,
-1.4624e-01, 1.1313e-01, 2.0868e-01, -3.4391e-02, -1.2681e-02,
4.9782e-02, -1.3559e-01, 1.3605e-01, 4.5138e-02, 4.4868e-02,
6.2528e-02, -2.2141e-02, -6.1000e-02, -1.0512e-01, -1.3575e-01,
1.1141e-01, 1.3557e-01, 1.0384e-01, 1.7332e-01, 4.8193e-02,
7.9393e-03, -1.0417e-01, 7.0040e-02, 2.2942e-02, -2.8927e-01,
-1.5311e-01, 1.0709e-01, 8.7648e-02, 3.4473e-01, 7.8581e-04,
-8.0415e-02, -1.1882e-02, 1.4900e-01, 4.7618e-02, 1.2051e-02,
7.4305e-02, 3.5889e-02, -2.6706e-02, -1.6639e-01, -1.4099e-02,
-1.9931e-02, -4.0285e-02, 9.3059e-02, -2.7257e-02, -6.8306e-02,
-6.2004e-02, 1.4827e-02, 5.5343e-02, 2.8544e-02, 1.1470e-01,
-7.4186e-02, -2.8136e-02, -2.6930e-01, 2.0896e-01, 5.5917e-02,
-7.7091e-02, 1.5754e-01, 1.6431e-01, -3.7707e-02, 1.9917e-02,
-1.0862e-01, -1.3663e-01, -1.1173e-01, 5.7466e-03, 1.4801e-02,
-8.8347e-02, 6.8185e-02, 2.2165e-02, -2.6413e-02, -5.0836e-02,
6.3998e-02, 3.5636e-01, 2.9860e-01, 5.2539e-02, 2.0146e-01,
-7.7501e-02, 7.8434e-02, 5.7395e-02, 3.2368e-02, 9.2945e-02,
-4.2594e-03, 6.1234e-02, 4.5066e-02, 2.2421e-01, -3.1991e-02,
9.0010e-02, -9.5404e-02, -8.0818e-02, -1.4450e-01, -2.0370e-02,
1.3036e-01, 2.0361e-01, -3.1969e-01, 4.0553e-02, 5.7373e-02,
1.3333e-01, -8.7013e-03, 3.0614e-02, -1.9716e-02, -1.7868e-02,
-5.2910e-02, 3.8454e-02, -9.8912e-02, 8.3219e-02, -6.4087e-02,
-1.5154e-01, 1.8412e-03, 9.4986e-02, 6.8442e-02, -9.9654e-02,
-1.2847e-01, 6.0975e-02, -6.1308e-02, 3.8885e-02, -1.1055e-01,
2.9982e-02, -1.5392e-01, -1.6765e-01, -1.6039e-02, 8.8679e-02,
-2.0651e-01, -1.1636e-01, -4.2686e-02, -1.1778e-01, -1.4536e-01,
5.6375e-03, 4.0670e-02, -2.7322e-02, 4.4358e-02, 1.1001e-01,
-2.2901e-02, -1.9324e-02, 9.9974e-02, -3.7581e-03, -2.2305e-01,
3.1435e-02, 1.7532e-01, -3.4280e-02, -1.4228e-01, -6.6222e-02,
-9.1632e-02, -1.5551e-01, 4.0538e-02, -1.5628e-02, -9.2183e-02,
-6.0312e-02, 6.6295e-02, -1.5695e-01, -3.7176e-02, -1.0307e-01,
1.5916e-01, -1.3285e-01, 2.1848e-02, 3.3590e-02, -3.7601e-01,
4.1611e-02, 5.8383e-02, 1.3050e-01, -4.1720e-02, -8.7531e-02,

2.7923e-02, -8.6322e-02, -1.0552e-01, 1.2117e-02, -7.2233e-03,
-2.7526e-01, 1.5833e-02, -1.0927e-01, -1.3530e-01, -4.9595e-02,
-4.5855e-02, 4.7545e-02, -1.2607e-02, 1.2823e-01, -6.4612e-02,
2.2371e-02, -2.2496e-01, 1.4383e-01, 7.4739e-02, 1.5524e-02,
9.3694e-02, 3.8225e-02, 3.7366e-02, 1.0439e-01, -6.0539e-02,
3.8602e-02, -6.5417e-03, -5.4384e-02, 3.6532e-02, -1.1119e-01,
1.6187e-01, -2.3736e-01, -1.4015e-01, -4.1361e-04, -2.5869e-01,
-2.2964e-02, -1.4918e-01, -1.9745e-01, -1.8966e-01, 7.3048e-02,
-1.0808e-01, -8.8466e-02, 2.8167e-01, -1.9424e-02, -9.5591e-02,
-9.5458e-02, -1.7134e-02, 3.2411e-02, 7.1174e-02, -1.3660e-03,
1.3195e-01, 3.9570e-02, 1.6291e-04, 2.4166e-01, 1.8902e-01,
2.3940e-01, 5.6178e-02, 2.1109e-01, -1.1769e-01, 5.5722e-02,
-1.1466e-01, 1.6945e-02, -1.3056e-01, -1.8591e-01, 1.6384e-02,
2.0443e-01, -5.2141e-02, 8.0258e-02, -1.6257e-02, 2.1153e-01,
-1.5591e-01, 5.9606e-02, -9.4565e-02, 7.5635e-02, 1.0569e-02,
1.6592e-01, -3.9712e-02, 2.2599e-02, 1.2086e-01, -1.2384e-01,
-1.8669e-02, -1.3545e-01, -3.6439e-03, 9.9751e-02, -1.5561e-01,
4.1048e-02, 8.8554e-02, 1.8863e-02, 1.2482e-01, -5.7095e-02,
1.2160e-01, 1.4952e-01, 2.6353e-01, 6.5280e-03, -1.4605e-01,
-8.3819e-02, 3.7028e-02, 6.8584e-04, -1.0032e-01, 1.7664e-01,
-2.2053e-01, -2.3947e-03, 7.1737e-02, -7.2706e-02, 8.4116e-02,
1.1683e-02, 1.1638e-01, 1.3417e-01, -1.6602e-01, 7.6592e-02,
-1.8025e-02, 3.4954e-02, 2.9085e-02, -8.5185e-02, 4.2298e-03,
3.6868e-02, -1.1798e-01, -1.1524e-01, 3.9424e-02, 8.9744e-02,
-1.4662e-01, -1.5022e-02, -8.3936e-02, 6.5449e-02, -6.9440e-02,
8.8439e-02, 3.5900e-02, 3.9513e-02, -9.8066e-02, 2.9790e-02,
-1.7186e-01, 6.2605e-02, 1.5653e-01, -4.0337e-02, -1.7185e-01,
-1.8562e-04, 2.2884e-02, 1.9451e-01, -6.2592e-02, -1.1326e-01,
3.5070e-02, 1.6832e-01, -3.0317e-01, 1.9939e-01, 1.5762e-01,
-5.7064e-02, 1.4926e-01, -4.9034e-02, -2.4633e-02, -3.4967e-01,
1.4658e-01, 4.3518e-02, -2.0663e-02, 7.1720e-02, 3.3907e-02,
7.3824e-02, -1.6063e-01, 1.0413e-01, -2.0498e-02, -4.4946e-04,
-8.5484e-02, -2.9709e-02, 8.5911e-02, -9.3294e-02, -1.6684e-01,
-2.5125e-01, 2.2716e-01, -3.4439e-01, -2.9816e-01, -1.7023e-03,
1.3681e-01, -7.0751e-04, -1.7202e-01], device='cuda:0')

Out[25]: Parameter containing:

```
tensor([0.9287, 0.9125, 0.9590, 0.9064, 0.7117, 0.9089, 0.8385, 0.8750, 0.8430,  
        0.9475, 0.9105, 0.8967, 0.8026, 0.8205, 0.9550, 0.8731, 0.9472, 0.9898,  
        0.9369, 0.8651, 0.9306, 0.8541, 0.9716, 0.8845, 0.9265, 0.9093, 0.9346,  
        0.9005, 0.9633, 0.8872, 0.8577, 0.9531, 0.9851, 0.9046, 0.9420, 0.8981,  
        0.9232, 0.9185, 0.9031, 0.9100, 0.9233, 0.9327, 0.9662, 1.0099, 0.8697,  
        0.9032, 0.9360, 0.9494, 0.9189, 0.9000, 0.9236, 0.9560, 0.9023, 0.8818,  
        0.9099, 0.9135, 0.9211, 0.9410, 0.8722, 0.9716, 0.9587, 0.8594, 0.8863,  
        0.8824, 0.9751, 0.9067, 0.9385, 0.8960, 0.8780, 0.8563, 0.8838, 0.8580,  
        0.9424, 0.9185, 0.9476, 0.8950, 0.8900, 0.9116, 0.7917, 0.9059, 0.9547,  
        0.8618, 0.8950, 0.8833, 0.8449, 0.9732, 0.9105, 1.0330, 0.9067, 0.8659,  
        0.9220, 0.8634, 0.8846, 0.9141, 0.8770, 0.6505, 0.8523, 0.9362, 0.8785,  
        0.8984, 0.7792, 0.9301, 0.8829, 0.9664, 0.8836, 0.9534, 0.9265, 0.9023,  
        0.9098, 0.8908, 0.9826, 0.8950, 0.8832, 0.9136, 0.8737, 0.8710, 0.9731,  
        0.8861, 0.9269, 0.8954, 0.9150, 0.9344, 0.8832, 0.9258, 0.9307, 0.9071,  
        0.9133, 0.9196, 0.9223, 0.9030, 0.9100, 0.8792, 0.9286, 0.9122, 0.9328,  
        0.9395, 0.8867, 0.8783, 0.9257, 0.8594, 0.9582, 0.9891, 0.9327, 0.9240,  
        0.8412, 0.8693, 0.8847, 0.9374, 0.9299, 0.9009, 0.9320, 0.8581, 0.8803,  
        0.8520, 0.9049, 0.9262, 0.9463, 0.9434, 0.8887, 0.9238, 0.9198, 0.9110,  
        0.9326, 0.9520, 0.9012, 0.9582, 0.9628, 0.9017, 0.8961, 0.8786, 0.7820,  
        0.9190, 0.8954, 0.8798, 0.9275, 0.9537, 0.9235, 0.9006, 0.7156, 0.9998,  
        0.9290, 0.9574, 0.9316, 0.9008, 0.8335, 0.9565, 0.8708, 0.9296, 0.7065,  
        0.9099, 0.9250, 0.8862, 0.7455, 0.9385, 0.8615, 0.6846, 0.9230, 0.9151,  
        0.8063, 0.8775, 0.8672, 0.8788, 0.9657, 0.9152, 0.8473, 0.9303, 0.9607,  
        0.8981, 0.9292, 0.7959, 0.9191, 0.9288, 0.9014, 0.9383, 0.9237, 0.8874,  
        0.9393, 0.8505, 0.8605, 0.9390, 0.8888, 0.8924, 0.9008, 0.8591, 0.8951,  
        0.8603, 0.8885, 0.8941, 0.8633, 0.9903, 0.9051, 0.8959, 0.9199, 0.8476,  
        0.9486, 0.9729, 0.9362, 0.8995, 0.9317, 0.8929, 0.9103, 0.7573, 0.8744,  
        0.6998, 0.9073, 0.8756, 0.8653, 0.9589, 0.9378, 0.8911, 0.9540, 0.9450,  
        0.8393, 0.7975, 0.8845, 0.8951, 0.8911, 0.8941, 0.9319, 0.8827, 0.7473,  
        0.8225, 0.9341, 0.8140, 0.9324, 0.7468, 0.8869, 0.8971, 0.8705, 0.9076,  
        0.8817, 0.8444, 0.8998, 0.8894, 0.8866, 0.8899, 0.9618, 0.9139, 0.9128,  
        0.8982, 0.9166, 0.9426, 0.9184, 0.9154, 0.8803, 0.8724, 0.8794, 0.9054,  
        0.8532, 0.9286, 0.9454, 0.9093, 0.7637, 0.8862, 0.3424, 0.8943, 0.9325,  
        0.9039, 0.9012, 0.9053, 0.9149, 0.9060, 0.8944, 0.9185, 0.8584, 0.9342,  
        0.8636, 0.8474, 0.9659, 0.8597, 0.8501, 0.8736, 0.9243, 0.8000, 0.8729,  
        0.7418, 0.8553, 0.9141, 0.8633, 0.9427, 0.9652, 0.8847, 0.9705, 0.9425,  
        0.9442, 0.8593, 0.9778, 0.9560, 0.9523, 0.8745, 0.9086, 0.9009, 0.9107,  
        0.9842, 0.8842, 0.8962, 0.9301, 0.9531, 0.9121, 0.8077, 0.9241, 0.8929,  
        0.9419, 0.9337, 0.9116, 0.8429, 0.8995, 0.9080, 0.9525, 0.9491, 0.9328,  
        0.9167, 0.8727, 0.8493, 0.9057, 0.8990, 0.7651, 0.9049, 0.9091, 0.9091,  
        0.9208, 0.8726, 0.8582, 0.8879, 0.6948, 0.9390, 0.8740, 0.9430, 0.6957,  
        0.8716, 0.8771, 0.8939, 0.9060, 0.9181, 0.8932, 0.9179, 0.8897, 0.9343,  
        0.9357, 0.8876, 0.9350, 0.8897, 0.8574, 0.9385, 0.8951, 0.8740, 0.9158,  
        0.8993, 0.7982, 0.8599, 0.8486, 0.8874, 0.8829, 0.9372, 0.9217, 0.7519,  
        0.8595, 0.9308, 0.8627, 0.8750, 0.8873, 0.8875, 0.8743, 0.8871, 0.9293,  
        0.9478, 0.8753, 0.9183, 0.9116, 0.9396, 0.9158, 0.9066, 0.7125, 0.9230,  
        0.9107, 0.9155, 0.9329, 0.9635, 0.7743, 0.9196, 0.8732, 0.8429, 0.9198,  
        0.8597, 0.8793, 0.8834, 0.9535, 0.8940, 0.8682, 0.9105, 0.9058, 0.9308,  
        0.9017, 0.9163, 0.9760, 0.9282, 0.9122, 0.8734, 0.9053, 0.9219, 0.8677,  
        0.9175, 0.8924, 0.9085, 0.8696, 0.8431, 0.9162, 0.8811, 0.8708, 0.8976,  
        0.9152, 1.0013, 0.9391, 0.8818, 0.8652, 0.8870, 0.8692, 0.8977, 0.9070,  
        0.8310, 0.9071, 0.8854, 0.9417, 0.7227, 0.8937, 0.8723, 0.8618, 0.9143,  
        0.8872, 0.7950, 0.8899, 0.9211, 0.8718, 0.8784, 0.8017, 0.9233, 0.9105,  
        0.8448, 0.9776, 0.9610, 0.9043, 0.9160, 0.8850, 0.9488, 1.0680, 0.9194,  
        0.8823, 0.8733, 0.8949, 0.9136, 0.8831, 0.8937, 0.9325, 0.8843, 0.8785,  
        0.9101, 0.9088, 0.8823, 0.8734, 0.8896, 0.8832, 0.8500, 0.8576, 0.8977,  
        0.9234, 0.9281, 0.8696, 0.7892, 0.8878, 0.9222, 0.8987, 0.9015, 0.9101,  
        0.7726, 0.9007, 0.8944, 0.9412, 0.8958, 0.8951, 0.9021, 0.8882, 0.8945,  
        0.9272, 0.8903, 0.9371, 0.9174, 0.7498, 0.7338, 0.7522, 0.9458, 0.9253,
```

0.8399, 0.9166, 0.9266, 0.9469, 0.8676, 0.8530, 0.7769, 0.8663, 0.7692,
0.9039, 0.9521, 0.9269, 0.9195, 0.8762, 0.9650, 0.9026, 0.9381, 0.9032,
0.8891, 0.9172, 0.8977, 0.9393, 0.8962, 0.8795, 0.8863, 0.9634, 0.9279,
0.9255, 0.9313, 0.8923, 0.8376, 0.9340, 0.8830, 0.9565, 0.8991, 0.8954,
0.8766, 0.8723, 0.9160, 0.7421, 0.7440, 0.8845, 0.7762, 0.8522, 0.8913,
0.8855, 0.9255, 0.8309, 0.9450, 0.9386, 0.9266, 0.8923, 0.9505, 0.8842,
0.9152, 0.9321, 0.9188, 0.8920, 0.7235, 0.8516, 0.8856, 0.9444, 0.8987,
0.9349, 0.9360, 0.9121, 0.9081, 0.9147, 0.9209, 0.9286, 0.9374, 0.9432,
0.9094, 0.8977, 0.8954, 0.9580, 0.9041, 0.9094, 0.9521, 0.8338, 0.9644,
0.8545, 0.9132, 0.9511, 0.9657, 0.6941, 0.9599, 0.8844, 0.9036, 0.9335,
0.9063, 0.9494, 0.9390, 0.8781, 0.8910, 0.7371, 0.9473, 0.8892, 0.9411,
0.8736, 0.9080, 0.9757, 0.8880, 0.7259, 0.8989, 0.8966, 0.6440, 0.9683,
0.8727, 0.8782, 0.8687, 0.9199, 0.8577, 0.8579, 0.9100, 0.9161, 0.6899,
0.8745, 0.9181, 0.8843, 0.9194, 0.7888, 0.9270, 0.9287, 0.8899, 0.8936,
0.9174, 0.8935, 0.8887, 0.6268, 0.8555, 0.9374, 0.9781, 0.9177, 0.8942,
0.8585, 0.9100, 0.9116, 0.9018, 0.9045, 0.9193, 0.8893, 0.8838, 0.9087,
0.9160, 0.9394, 0.8928, 0.8808, 0.8926, 0.8910, 0.9077, 0.8989, 0.8958,
0.9688, 0.8890, 0.9799, 0.7269, 0.7006, 0.6984, 0.8999, 0.9009, 0.9361,
0.8573, 0.8899, 0.7505, 0.9053, 0.8985, 0.8954, 0.8923, 0.8702, 0.9019,
0.6771, 0.8994, 0.9373, 0.9782, 0.8914, 0.9307, 0.9314, 0.9298, 0.9195,
0.8755, 0.8786, 0.9323, 0.8886, 0.8527, 0.8998, 0.9460, 0.8297, 0.9748,
0.9425, 0.8970, 0.9592, 0.9136, 0.8935, 0.8364, 0.9162, 0.8889, 0.9164,
0.8960, 0.9270, 0.8801, 0.8724, 0.9212, 0.8680, 0.9732, 0.8955, 0.8572,
0.9462, 0.8656, 0.9103, 0.7733, 0.9254, 0.9658, 0.9165, 0.9372, 0.8741,
0.9430, 0.8961, 1.0103, 0.8939, 0.9451, 0.9071, 0.8900, 0.9487, 0.9345,
0.4228, 0.8627, 0.8957, 0.9406, 0.9232, 0.9502, 0.9211, 0.9170, 0.9315,
0.7345, 0.8648, 0.8765], device='cuda:0')

Out[25]: Parameter containing:

```
tensor([-2.6606e-02, -1.6199e-02,  5.8685e-02, -4.3374e-02, -1.4666e-02,
        1.0294e-02, -3.4697e-02,  5.9001e-02, -3.3358e-02,  7.0689e-02,
        -5.0402e-02,  7.7612e-02,  2.9648e-03,  8.2746e-02, -6.2786e-02,
        2.2618e-02, -8.6267e-02,  3.5075e-02, -3.7860e-03,  5.2629e-02,
        1.4676e-02, -9.4088e-02, -3.6014e-02,  5.5186e-02,  2.4903e-02,
        1.8108e-02, -7.9697e-03,  3.5910e-03, -1.0305e-02, -7.9828e-02,
        -6.6423e-03,  1.0369e-01, -4.6244e-02,  5.9021e-03, -3.8153e-02,
        -8.0558e-02, -1.0460e-02, -1.9636e-02,  1.8425e-02, -1.1342e-01,
        1.6960e-02,  4.4713e-02,  9.0955e-04, -2.0012e-02, -4.2695e-02,
        -3.1443e-02, -8.4378e-02, -8.4454e-02,  2.8369e-02,  7.0153e-02,
        8.5812e-03, -2.6202e-01, -2.0694e-04,  1.9454e-02, -2.4143e-02,
        1.7267e-02,  4.7523e-02, -2.7351e-02, -8.1478e-02,  6.8026e-02,
        -5.2240e-02, -7.0155e-02, -3.6121e-02,  1.1953e-02, -4.5950e-02,
        6.8904e-02,  6.2320e-02, -7.8134e-02,  1.5482e-02,  7.1258e-03,
        7.7486e-03, -1.1157e-03, -2.0001e-02,  1.3675e-02, -3.3960e-03,
        4.5603e-02,  4.5502e-03,  3.2087e-03, -3.5347e-02,  4.8000e-02,
        -7.5261e-02, -1.8557e-02,  2.6529e-02, -7.1550e-02,  1.5676e-02,
        2.6308e-02, -7.9761e-02, -2.3333e-01,  8.3071e-02, -5.3988e-02,
        1.4506e-02,  6.0151e-02, -6.8139e-02, -1.2679e-02,  2.0327e-02,
        -2.6331e-02,  2.7526e-02,  3.2734e-02, -1.0923e-02,  8.3488e-02,
        -3.4468e-02, -3.0688e-02, -5.0138e-02, -5.6508e-02, -7.4115e-02,
        -1.9485e-02, -8.1914e-02,  6.1514e-02, -8.6724e-02,  2.9172e-02,
        5.8099e-02, -7.8810e-02, -9.2472e-03,  2.7021e-02,  5.3020e-03,
        4.9910e-02,  2.3773e-02,  3.4256e-02, -1.0570e-02, -2.2330e-02,
        2.4058e-02, -1.1225e-02, -1.0136e-02, -2.4502e-02,  6.0085e-02,
        -3.3883e-02,  1.4882e-02, -1.8770e-02, -2.4186e-04,  5.0535e-02,
        -7.6249e-02,  4.7618e-02,  3.9807e-02, -3.0123e-02,  9.3938e-03,
        3.3691e-02,  2.4488e-02, -6.6565e-03, -3.1022e-02, -8.0249e-02,
        4.7633e-02,  3.1525e-02, -4.9566e-02, -2.4966e-02, -1.0739e-01,
        -1.1032e-02, -3.0777e-02,  9.0046e-03, -1.7220e-02, -2.5650e-02,
        -7.2912e-02, -1.6729e-02, -6.9393e-02,  8.9954e-02, -6.6548e-06,
        -1.1278e-02, -2.4711e-02, -5.8312e-02,  9.2633e-03,  3.5810e-02,
        7.3910e-02,  1.7715e-02,  3.6729e-02, -3.0114e-02,  4.1141e-02,
        1.6955e-02,  8.6479e-03, -7.2554e-02,  2.1363e-02, -2.4700e-02,
        2.9790e-02, -6.9263e-02, -3.2308e-03,  4.2605e-02, -9.2854e-02,
        -1.9298e-02, -4.7684e-02,  2.0312e-02,  3.6903e-02,  8.2868e-03,
        -1.1101e-02,  4.6614e-02, -2.2124e-02, -5.5713e-02,  1.1544e-02,
        2.7094e-02, -5.1647e-02,  2.2988e-02,  1.1291e-01, -4.0178e-02,
        6.5389e-02, -2.1873e-02,  1.5183e-01,  8.8391e-02,  1.9276e-02,
        2.3746e-02,  2.5830e-02,  5.0604e-03, -2.1996e-02, -3.9815e-02,
        8.5971e-02,  1.0601e-01, -2.0830e-02,  1.3330e-01,  1.8461e-02,
        -7.5558e-02, -6.6348e-02, -4.6681e-02,  1.6268e-03,  3.9819e-02,
        -3.7043e-02,  5.4602e-02,  6.0715e-02,  3.4324e-02,  3.8335e-02,
        4.9730e-02,  3.8075e-02, -2.9916e-02, -6.1990e-03,  8.9049e-02,
        -5.9499e-02,  6.6475e-03, -1.7392e-02,  8.5229e-03, -6.1387e-02,
        -2.2202e-02, -7.8902e-02,  1.7960e-03, -4.1538e-02, -4.1788e-02,
        -7.3010e-02,  6.4268e-02,  3.2767e-02,  5.4687e-02,  3.5161e-02,
        -5.2732e-03, -2.3738e-02,  1.2268e-02,  1.7619e-02, -4.4988e-02,
        -1.8523e-02,  5.2005e-03, -7.4273e-02,  5.1640e-02,  4.7842e-03,
        9.8945e-03,  8.3944e-02, -7.6270e-03, -4.7678e-03,  3.8196e-04,
        -4.9560e-03, -2.8044e-02, -4.6431e-02,  9.9463e-03, -5.1671e-02,
        3.8715e-02, -8.0164e-02, -1.0799e-02, -4.5831e-03, -8.1649e-03,
        -1.4561e-01,  1.6446e-04,  4.0461e-02,  5.6859e-02, -7.7592e-02,
        1.8033e-02,  4.1917e-02,  2.2955e-02, -1.0794e-02,  5.9863e-02,
        -1.2909e-02, -1.6225e-02, -2.0581e-02,  1.7130e-02, -5.2913e-02,
        6.5486e-02,  2.3692e-02,  2.9156e-02, -1.0332e-02,  7.5776e-02,
        9.6127e-04,  2.7492e-02, -1.7425e-02, -1.0056e-02, -3.8901e-03,
        -5.7931e-02, -8.8525e-02,  8.4966e-03, -6.8944e-02, -4.3505e-02,
        1.3624e-03, -7.6793e-02,  4.4178e-02, -2.1655e-02, -7.3247e-01,
```

-2.0818e-02, -1.2120e-01, 4.3663e-02, -9.0911e-02, -1.8110e-02,
-1.1680e-03, -6.3187e-02, 9.6216e-02, -1.1634e-02, 2.8304e-02,
-4.6047e-02, 2.1749e-02, 5.8788e-02, -5.0058e-03, -6.5828e-02,
-6.5319e-02, 4.4528e-02, -2.9485e-03, -1.7775e-02, -4.4893e-02,
5.3056e-03, -6.0992e-02, -4.4512e-03, -3.3523e-02, -2.9067e-02,
5.9785e-02, 9.6387e-02, 3.5598e-02, 5.6545e-03, -3.0439e-02,
3.2949e-02, -4.0591e-02, -2.1517e-02, 8.7813e-04, 3.2460e-02,
-4.5504e-02, -5.0847e-02, 3.1338e-02, 7.4174e-02, 2.0670e-02,
-4.0084e-03, -4.5728e-02, 1.1786e-01, -2.7087e-02, 3.9496e-04,
3.1115e-03, -1.8277e-02, 4.7663e-02, 9.5281e-03, -5.5409e-02,
-8.0986e-03, -4.0552e-02, -2.0016e-03, 5.2826e-02, 1.0739e-02,
-2.7230e-02, 5.1044e-02, -3.2440e-02, -6.1236e-02, -4.3654e-02,
1.0063e-01, 5.0155e-03, -7.1430e-02, -1.2956e-02, 1.7661e-02,
3.5391e-02, -2.3895e-02, -1.1166e-02, 9.9160e-03, 1.3402e-01,
-3.5480e-02, -2.7601e-02, 1.9185e-02, -1.0773e-01, 4.5938e-02,
4.5113e-02, 7.7059e-02, -1.8584e-02, 3.8778e-02, 3.1002e-02,
5.1969e-02, 3.1035e-02, 6.5252e-02, 5.0848e-02, -1.9277e-02,
-8.6876e-03, 4.4949e-02, -1.9040e-02, 4.3533e-02, -7.3863e-02,
-4.3606e-02, 1.4321e-02, -3.2852e-02, -5.8532e-02, -3.7852e-02,
-6.0902e-02, -5.5757e-02, 5.6251e-03, 9.2251e-03, -6.4046e-02,
4.8117e-03, 4.2644e-02, 6.1618e-02, 3.1930e-02, -3.7302e-02,
3.9949e-02, -1.7762e-02, -7.3388e-02, -7.9642e-02, -1.0490e-02,
-3.3512e-02, -3.5710e-02, 2.2760e-02, 3.2451e-02, -9.1238e-03,
9.9109e-02, 2.9191e-02, 4.4866e-03, -1.2306e-01, 2.8691e-02,
4.7021e-02, 1.7212e-02, -3.6548e-02, 1.0380e-01, 1.4306e-03,
-1.5746e-02, -8.5389e-02, 6.5823e-02, 5.9490e-02, 2.4839e-02,
4.7375e-03, -1.1153e-03, -6.0684e-02, -2.7414e-02, -6.4148e-02,
6.9601e-03, -1.1579e-02, -2.9191e-02, -8.2264e-03, 5.4625e-02,
-5.8282e-02, -5.2581e-02, 2.9185e-02, 3.8412e-02, 2.0160e-02,
-9.3668e-02, 3.9249e-02, 4.1632e-02, 3.7323e-02, -5.6545e-02,
-8.8886e-03, 5.3328e-02, 6.8065e-02, -2.4034e-02, 5.1028e-02,
1.4919e-04, 4.4416e-02, 3.6505e-02, 2.6473e-02, -1.4968e-02,
-2.5253e-02, -8.0091e-03, 7.7718e-03, -3.2687e-02, 4.6304e-02,
-4.3633e-02, -6.0541e-03, 5.9303e-03, -2.1102e-02, -2.7464e-02,
2.0424e-02, 8.3002e-03, -3.8037e-02, -4.6870e-02, 7.9745e-02,
5.2382e-02, 1.9794e-02, 3.9719e-02, 4.2407e-02, 6.5342e-02,
4.2713e-02, 1.3528e-02, -2.8584e-02, -7.3005e-03, 1.2055e-02,
-6.6900e-03, -2.2816e-02, 4.4718e-03, 4.6810e-02, -3.8788e-02,
-4.4892e-02, 5.0371e-02, -1.8683e-02, 6.4269e-02, 3.5105e-02,
-6.7403e-02, 4.4684e-02, 7.0509e-02, 2.0645e-02, 8.3095e-02,
1.5612e-02, 4.0902e-02, 5.9758e-03, -4.9101e-02, 1.0980e-01,
5.0498e-02, 1.1608e-02, -7.4413e-02, 1.1786e-01, -5.1794e-02,
4.6669e-02, -2.0528e-02, 4.7393e-02, -3.1273e-02, 2.9673e-02,
-4.6165e-02, -2.6588e-02, 4.0984e-03, -6.1566e-02, -9.0275e-03,
-7.5027e-02, -5.8024e-02, 1.2637e-01, -1.0776e-02, 4.0089e-02,
2.2896e-02, 2.2784e-02, -2.3435e-02, 2.0508e-02, -1.5190e-02,
-7.8363e-03, -1.1560e-01, -5.2836e-02, 6.1059e-02, 7.0376e-03,
1.8183e-03, 4.6080e-02, 3.8425e-02, -9.5799e-02, -6.8323e-03,
6.6459e-02, 9.8545e-02, -7.0183e-02, -4.5472e-02, -5.2432e-02,
6.0164e-02, -1.7228e-02, -1.6716e-02, -5.9803e-02, -4.3334e-02,
3.4961e-02, -4.4060e-02, -4.2527e-02, 2.9539e-03, -5.7122e-02,
-2.0745e-02, 8.0681e-02, -2.5974e-02, 1.0803e-02, 1.0047e-02,
-1.0868e-01, 1.1155e-02, -1.7614e-02, -1.0900e-01, -1.7658e-02,
1.9268e-02, -2.6814e-02, -3.3968e-02, 5.1563e-02, 5.9115e-02,
-5.7330e-02, -3.1146e-02, -6.1769e-02, 9.1535e-03, 2.8501e-02,
-6.9624e-02, -2.8853e-02, -2.9163e-02, -8.2881e-02, -4.6682e-02,
-7.0694e-02, 5.7934e-02, -3.2330e-02, -1.9715e-02, 1.6767e-02,
1.4643e-02, 3.9369e-02, -6.2796e-02, 5.4021e-03, -4.8201e-02,
3.0981e-03, -1.6885e-01, 5.2763e-02, -1.1349e-02, -6.7310e-02,
-8.4797e-02, -7.2989e-03, 2.6431e-03, 6.2304e-02, 5.5882e-02,

```
1.7760e-02, -9.1484e-02, -6.8332e-02, -4.8536e-04, -2.3425e-02,  
-9.7146e-02, -2.5059e-02, -1.0624e-02, -5.2435e-02, -4.5545e-02,  
-8.0641e-02, 1.4935e-02, 8.7842e-03, 1.1260e-01, 4.7209e-02,  
-3.6627e-02, 3.5357e-02, 4.0744e-02, -2.3346e-02, -6.7901e-02,  
-1.6675e-02, -1.8691e-02, -5.5279e-02, 3.7877e-03, -5.2487e-02,  
-5.7598e-02, 4.1991e-02, 1.9726e-02, 1.7814e-02, 3.2420e-02,  
-1.1426e-01, 3.5639e-02, -1.1095e-02, -1.1928e-01, 7.4066e-02,  
-1.5635e-02, -3.4202e-02, -1.6621e-02, -4.9470e-03, -4.3887e-02,  
-1.4030e-02, 3.2339e-02, 2.0643e-02, 5.1153e-02, -3.8964e-02,  
-4.0571e-02, -1.4288e-02, 8.6061e-02, 9.8889e-03, 4.3495e-02,  
4.0177e-02, 5.9651e-03, -3.2005e-02, -9.9650e-02, -4.5364e-02,  
-3.4893e-03, -9.3538e-03, -5.9304e-02, 5.8447e-02, -4.6693e-02,  
5.6788e-02, 4.5990e-02, -9.4421e-02, 1.6633e-02, 1.4201e-02,  
1.4679e-01, -3.8266e-02, 2.0155e-02, 4.7965e-02, -3.4192e-02,  
3.8170e-02, 3.1840e-02, -4.4104e-02, -2.5210e-02, 2.7911e-02,  
6.1363e-02, 4.0221e-02, -1.8135e-02, 3.6608e-02, 1.6476e-02,  
3.3781e-02, -5.6406e-02, -2.2390e-02, -3.8542e-02, -1.6659e-03,  
6.3206e-02, 6.0446e-02, -6.9031e-02, -3.8637e-02, -1.7122e-01,  
4.9607e-02, 6.9887e-02, -5.0312e-02, -4.1896e-03, -4.6068e-02,  
1.0854e-02, -3.1018e-02, 4.0892e-02, 1.5468e-02, -7.0604e-03,  
8.3992e-02, -2.3800e-02, 7.5089e-03, 3.2248e-02, 1.4171e-02,  
7.4968e-02, 2.7647e-02, -4.6386e-02, 3.7872e-02, 9.0263e-03,  
1.5209e-02, 7.5759e-03, 8.1948e-03, 1.1016e-02, 3.6363e-02,  
-8.0891e-02, -4.4497e-02, 5.5130e-02, -4.8758e-02, 7.0501e-03,  
-6.5655e-02, 6.0864e-03, 8.3281e-03, -2.1167e-02, 7.2538e-02,  
-6.7207e-02, -5.3854e-02, -9.3908e-02, 1.3069e-03, -4.9800e-02,  
-6.2067e-02, -9.3147e-02, 4.4689e-02, 1.1321e-03, -3.3586e-02,  
-1.8016e-02, 9.0294e-02, -2.8796e-02, -5.0202e-02, 7.4597e-02,  
-1.7688e-02, -6.3867e-02, -1.3102e-01, 1.2197e-01, -1.1271e-01,  
8.2140e-04, -1.0570e-01, -2.7969e-02, -6.5578e-02, -2.7669e-02,  
2.9070e-02, -2.5307e-02, -8.0135e-02, -8.5136e-02, 3.0697e-02,  
5.5456e-02, -1.9963e-02, -6.1577e-02, 7.0259e-02, -3.4829e-02,  
-1.2091e-02, -2.1473e+00, -5.8157e-03, 4.4432e-02, 1.1866e-02,  
1.9813e-02, -1.4035e-02, 1.1885e-01, 9.8252e-03, -7.3262e-02,  
3.2595e-03, -6.4057e-02, 3.3419e-03], device='cuda:0')
```

Out[25]: Parameter containing:

```
tensor([[ -0.0320, -0.0058, -0.0125, ..., -0.0420, -0.0091,  0.0220],  
        [ 0.0506,  0.0184,  0.0369, ..., -0.0654,  0.0133, -0.0867],  
        [ -0.0105,  0.0343, -0.0060, ..., -0.1013,  0.0116, -0.0092],  
        ...,  
        [ 0.0830,  0.0283,  0.0454, ...,  0.0123, -0.0526,  0.0063],  
        [ 0.0556,  0.0283, -0.0440, ...,  0.0046, -0.0682, -0.0016],  
        [ -0.0017, -0.0214, -0.0142, ..., -0.0316, -0.0082, -0.0185]],  
        device='cuda:0')
```

Out[25]: Parameter containing:

```
tensor([ 5.6550e-02, -8.5568e-02, -2.5646e-02, -1.3460e-02,  8.5743e-03,
         4.8301e-02,  2.5778e-02, -9.7289e-02, -1.4545e-01, -1.6105e-01,
        -3.5594e-02,  5.9850e-04, -1.4544e-01, -8.0775e-03, -4.9229e-02,
        -5.7883e-02,  8.7365e-02, -2.8620e-02, -4.6839e-02,  9.0884e-02,
        -2.4425e-02, -1.2484e-01,  8.1761e-02,  1.1669e-02,  6.1134e-02,
         4.7977e-02, -1.5484e-02,  9.5149e-02, -8.8738e-02, -1.6684e-02,
         6.0124e-02,  5.0025e-02, -4.2828e-02, -4.4180e-02, -9.4375e-02,
        -2.0140e-02, -4.7244e-02, -2.7415e-01,  1.2348e-02,  2.8947e-02,
        -6.0977e-02, -6.0429e-02,  4.3926e-01,  1.0489e-01, -2.2304e-01,
         6.8043e-02,  7.3803e-02, -3.8181e-02,  2.7490e-02, -5.4453e-02,
         8.0298e-03, -3.9669e-02,  5.6711e-01,  6.4816e-02,  5.3004e-02,
        -4.4483e-02,  8.5140e-02,  1.2429e-02,  7.9290e-02,  2.4255e-02,
         1.6445e-01, -1.2830e-02,  2.0728e-02, -1.0501e-01, -1.9845e-01,
         2.3803e-01,  7.1271e-01, -2.0489e-03,  3.4933e-01, -1.5310e-01,
        -1.1091e-01, -1.7697e-01,  1.4057e-01,  3.8296e-01,  1.0938e-01,
         4.5171e-02, -5.6461e-02, -1.1561e+00, -4.9307e-01, -2.6517e-01,
         1.3276e-01,  6.6712e-02, -2.4483e-01,  2.3367e-02,  1.4802e-01,
        -2.8904e-01, -4.6038e-01, -1.6998e-01,  3.2358e-01, -2.8375e-01,
         1.9492e-01,  2.6663e-01,  1.0321e-01, -1.5588e-01,  3.0857e-01,
         6.5903e-02, -1.8011e-01, -2.2982e-01, -2.6804e-02, -1.9332e-01,
        -2.5522e-01,  7.8534e-01,  1.3402e-01, -8.7535e-02,  2.1817e-02,
         1.3769e-01,  2.7609e-01, -3.8133e-01, -1.2337e-01, -4.0816e-01,
         2.8796e-01, -5.3320e-01,  4.1247e-02,  1.1066e-01, -5.6978e-03,
         3.5777e-01,  1.0970e-01,  2.2232e-01, -1.5113e-01, -2.7266e-01,
         6.1364e-01,  4.3260e-01,  5.8840e-02,  6.6815e-01, -5.8277e-01,
        -3.9660e-01,  5.8785e-02, -2.3187e-02,  5.7588e-02,  2.2985e-02,
        -1.1287e-01,  3.2876e-01,  1.6742e-01,  4.9879e-02, -3.8846e-01,
        -3.9527e-02, -2.1729e-01,  8.7874e-02, -2.5954e-02,  1.3047e-01,
         1.6773e-01, -1.1120e-01, -9.8733e-02, -1.8981e-01, -8.5495e-02,
         2.7683e-01, -1.4433e-01, -8.5737e-02, -8.1960e-02, -4.1419e-02,
         6.6394e-02,  1.9941e-01, -1.0475e-01, -1.4187e-01,  3.1268e-01,
         1.8924e-01,  1.6896e-02, -1.8086e-01, -5.6252e-02, -1.1652e-01,
        -1.9537e-02, -2.4750e-02, -2.4478e-01,  5.7109e-02, -1.9105e-01,
         2.1279e-01, -4.6444e-02,  1.3578e-01,  2.1702e-03, -3.2051e-01,
        -1.0677e-01,  1.7890e-02, -2.9679e-02, -5.2092e-03,  4.6432e-02,
         1.2059e-01,  8.2761e-02,  1.5410e-01, -3.9888e-01, -8.3512e-02,
        -4.6031e-02,  6.7535e-02, -4.8691e-01,  1.6592e-01,  6.2445e-02,
         2.0502e-01,  2.8708e-01, -2.6737e-01,  1.8874e-01, -1.4342e-01,
         2.5545e-01,  2.5744e-02,  1.0005e-02, -3.3870e-02, -1.8217e-01,
        -1.0601e-01,  4.0480e-02, -7.9735e-02, -1.4438e-01, -7.9368e-02,
         4.3847e-01, -4.0762e-01,  1.2013e-02,  5.9758e-02, -5.5161e-02,
        -1.0567e-02,  1.9475e-01,  8.3609e-02,  9.9545e-04, -7.0445e-02,
         2.3001e-02, -1.1363e-01,  1.8156e-01,  1.8740e-01,  2.6788e-02,
        -1.5108e-01,  2.7971e-01, -8.3109e-02, -1.3693e-01,  2.0218e-01,
        -3.2904e-02,  1.1524e-01,  1.6955e-01,  6.0246e-02, -1.0666e-02,
         1.2374e-01,  4.8821e-02, -2.4970e-01,  1.1402e-01, -2.4285e-03,
         1.6406e-01,  1.1714e-02,  7.3427e-02,  1.3879e-01,  7.2681e-02,
        -1.0226e-01, -1.9486e-02,  6.5567e-02, -4.0500e-02, -1.1629e-01,
         1.0049e-01,  1.8587e-02, -2.5677e-02, -1.4125e-01,  2.2254e-02,
         5.4717e-02, -3.7423e-02,  2.7816e-02,  1.3281e-01,  1.5078e-01,
        -4.3758e-02, -3.4741e-01,  7.4362e-02, -1.1842e-01,  1.9429e-01,
         2.0618e-01, -3.0037e-01,  3.1949e-01, -8.7636e-02,  1.3713e-02,
        -1.5812e-01, -6.2777e-02, -2.9434e-01,  8.2685e-02, -1.1222e-01,
        -2.6541e-01,  1.2395e-01,  1.7110e-01,  1.1976e-01, -1.7210e-01,
        -2.2077e-01,  2.3317e-01, -7.1522e-02,  2.8211e-02, -2.7137e-02,
         1.7069e-01, -1.2105e-01,  7.4903e-02,  1.8679e-01,  1.2410e-01,
        -3.8587e-01, -1.7110e-02, -2.5147e-03, -1.8038e-02, -1.9532e-02,
        -1.0330e-01, -2.2295e-01,  3.6055e-01, -2.6813e-01, -7.3196e-02,
        -1.5907e-01, -2.4928e-01, -3.0444e-01, -1.7612e-01, -1.6096e-01,
```

3.7500e-02, 2.2422e-01, 2.0236e-02, -7.0727e-02, -2.7127e-01,
5.8259e-02, -1.8891e-01, -2.0189e-02, 8.4570e-03, -2.7308e-03,
-3.4458e-01, 1.0604e-01, -1.1085e-02, 1.1856e-01, 2.7421e-01,
2.7845e-02, -1.9658e-01, -2.3888e-02, 4.0024e-01, -2.4922e-01,
-1.8521e-01, -1.1155e-01, 1.0800e-01, 7.2400e-02, -1.6695e-02,
5.0348e-02, 5.8871e-02, -7.6955e-03, -8.9816e-03, 3.7622e-02,
-1.3283e-02, -2.7540e-02, -1.8206e-01, 3.1622e-02, -1.6446e-01,
6.2345e-02, 5.6139e-02, 3.6338e-02, -1.8570e-02, -6.3572e-02,
-2.8347e-02, 1.2900e-02, 6.2653e-02, -1.2007e-01, 2.0591e-02,
-5.6607e-02, 4.1729e-02, -7.5817e-02, 1.7984e-03, -1.1368e-02,
1.5615e-01, 1.0608e-01, 7.7960e-02, -9.4672e-02, -7.8047e-02,
-6.0317e-02, 1.0892e-01, -3.6118e-02, -8.5773e-02, 3.2573e-02,
-8.5400e-02, 7.2985e-02, 1.2015e-01, 1.6705e-01, 7.2589e-02,
7.6832e-03, 4.3390e-02, 2.2802e-02, 1.6772e-01, -2.0519e-01,
-1.3126e-01, -9.3298e-02, 3.1542e-02, -5.3149e-02, 1.8954e-02,
1.1889e-01, -3.2278e-02, -4.4908e-02, -3.6167e-02, 1.0411e-02,
-1.1353e-02, 7.4849e-02, -2.2934e-02, -8.1785e-02, -5.7799e-02,
-1.6697e-02, -4.8448e-04, -3.3573e-02, -6.7767e-02, -7.1316e-04,
2.7153e-01, -2.3422e-01, -1.2981e-01, -6.1506e-02, 4.1288e-01,
-1.2236e-01, -1.2258e-01, -1.0871e-01, 1.9355e-01, -2.0124e-01,
9.7874e-02, 5.7904e-01, -7.5647e-02, -2.3596e-01, 3.1652e-01,
1.3241e-01, 1.7471e-01, -6.5854e-01, -1.7444e-01, -4.7484e-01,
-5.0866e-01, -2.2557e-01, -2.5021e-01, -5.9121e-03, 2.7189e-01,
7.0232e-02, 2.5575e-01, 8.0085e-02, 7.2698e-02, 1.0181e+00,
2.7151e-01, 7.6170e-01, 9.2328e-02, -7.2078e-02, -4.8754e-01,
-2.6022e-01, -2.4559e-02, -5.2896e-01, -4.6834e-01, 4.2971e-02,
-3.8193e-01, 4.5129e-02, 1.5426e-01, 1.5005e-01, -2.6625e-01,
5.4606e-01, -2.4958e-01, 1.3813e-01, 3.8775e-01, -7.2057e-02,
1.6817e-01, 1.4075e-02, -4.4557e-02, -5.3475e-02, 3.3606e-01,
-3.4129e-01, 3.4537e-01, 5.0090e-02, -2.5889e-01, -3.1145e-01,
-7.5993e-02, 6.0283e-01, 1.0468e-01, -1.9748e-01, 2.3149e-01,
-1.9974e-01, -7.8482e-02, -5.4546e-01, -7.2379e-02, 1.5566e-01,
1.3794e-01, -7.6788e-02, 1.5998e-01, 3.2450e-01, 1.1179e-01,
9.9112e-02, -4.9161e-02, 5.8648e-02, 1.4657e-01, -6.7464e-02,
1.9240e-01, 7.1109e-02, 2.5075e-01, 7.4253e-02, -4.1607e-01,
9.3309e-01, -1.4043e-02, -9.9706e-02, 5.3874e-02, -1.9499e-01,
-2.7087e-01, -1.7599e-01, -1.2959e-01, 1.3801e-02, 9.8247e-02,
3.5165e-01, 1.9509e-01, 3.2905e-02, -3.4093e-01, -3.0518e-01,
8.9853e-02, -9.9496e-02, 2.3644e-01, 3.9127e-01, -1.6809e-01,
1.1137e-01, 1.3267e-01, 1.4232e-01, -2.0088e-01, 1.1047e+00,
-1.1980e-01, 1.4077e-01, -5.4001e-03, 1.1681e-01, -7.1518e-02,
-1.9930e-02, 2.6997e-01, -3.3699e-02, -3.5002e-01, -6.9422e-02,
4.0931e-02, 1.0938e-01, -6.5890e-02, 2.3148e-01, 1.3685e-01,
2.0449e-01, -3.0095e-02, 1.3523e-01, -7.1526e-03, -4.9235e-02,
-3.0286e-02, 4.2482e-01, -7.4609e-02, -3.5839e-02, -5.2282e-02,
3.5683e-02, -6.6637e-02, -7.9021e-02, 2.4437e-01, -8.2612e-03,
-3.6215e-02, 2.4734e-02, -1.0648e-01, 1.4353e-01, 3.4739e-02,
7.9150e-02, -1.5445e-01, 3.4286e-02, 1.6056e-02, 9.3867e-02,
-5.7304e-02, -6.3465e-01, 3.0350e-01, -7.8536e-02, 8.0999e-01,
3.7805e-02, -1.2757e-01, 9.6693e-02, -3.7453e-01, 1.4937e-01,
-2.0350e-02, -1.4502e-01, -5.8979e-03, 5.9369e-02, -9.7314e-02,
4.0919e-02, 1.1671e-01, -8.8843e-02, 1.8995e-02, 1.5855e-01,
5.5479e-02, 2.9697e-02, -1.8040e-02, -6.4652e-02, 3.5720e-02,
-3.0088e-02, -2.4591e-02, 8.2537e-02, -1.0420e-01, -2.6119e-02,
-6.3031e-02, -9.4690e-02, 7.5630e-02, 8.4728e-02, 2.1213e-01,
-7.9424e-02, -1.6184e-01, 1.4300e-01, -2.0545e-02, 3.5525e-02,
3.4300e-02, 5.2508e-02, -1.8106e-02, -4.3333e-02, -1.5708e-02,
-4.1662e-02, -4.2374e-02, -2.5240e-02, 2.1708e-01, 2.1580e-01,
7.2257e-02, -7.2778e-02, -1.1870e-01, 4.0198e-02, -2.7029e-01,
1.4801e-01, -3.7836e-02, 3.2919e-02, -1.5098e-02, 4.5608e-02,


```
1.6443e-01, -2.2753e-01, -5.7594e-03, 2.1595e-02, -1.7977e-02,  
-2.4168e-02, -2.2880e-02, -7.0456e-03, 5.1636e-01, -1.1590e-01,  
1.9803e-01, 5.1458e-02, 2.6815e-02, -7.1530e-02, -5.8594e-02,  
7.1229e-02, 2.4700e-02, -2.3572e-02, -7.9356e-02, -1.5252e-02,  
-3.6552e-02, 7.4025e-03, 3.8092e-01, 5.6271e-02, 4.2650e-02,  
9.2112e-02, -2.8396e-02, 1.9758e-01, 2.1880e-01, -1.9431e-01,  
-1.0033e-01, -5.1832e-02, 1.8238e-01, -7.5232e-02, 7.4726e-02,  
5.1552e-02, -1.4404e-01, -6.5036e-02, -2.1979e-01, 2.0800e-02,  
4.6595e-02, -8.3947e-02, -2.0664e-02, 6.8364e-02, -4.2638e-02,  
1.3859e-02, 1.5671e-01, 7.2418e-02, 7.2958e-02, 4.6478e-02,  
1.8554e-01, -2.0430e-02, 2.1641e-02, 1.7477e-03, -6.6137e-02,  
3.4680e-01, 1.1767e-02, -9.8491e-02, 6.3322e-01, 7.6971e-02,  
-2.5224e-02, 1.6612e-02, 5.2108e-01, 9.7952e-02, -1.5286e-01,  
-1.1450e-01, 1.7471e-01, -6.4513e-02, 3.9353e-02, -1.1549e-01,  
7.1263e-02, -2.4922e-02, -6.9674e-02, -7.2829e-02, -4.4230e-02,  
5.8150e-02, -2.7685e-03, 8.2742e-03, -8.2891e-02, 2.3316e-02,  
-1.4455e-02, -2.2011e-02, -1.3066e-01, -1.0084e-01, 2.0087e-01,  
-1.4997e-01, -6.7155e-02, -4.4199e-02, -2.5528e-02, 5.2048e-02,  
-2.0481e-02, 2.7429e-02, 7.0512e-02, -6.3192e-04, -1.7449e-02,  
7.6900e-02, 5.0517e-02, -2.7769e-02, -2.2395e-02, -3.6155e-02,  
-2.5082e-02, -2.4730e-02, 1.3622e-01, -8.7687e-02, 1.3776e-01,  
9.1792e-02, 1.6052e-02, -2.0771e-02, -1.0194e-01, -1.3409e-01,  
2.8168e-01, -1.7562e-01, -7.2612e-02, -1.9684e-02, -2.6099e-01,  
-2.0885e-01, -1.2931e-01, 1.0438e-01, -3.8343e-02, -6.6637e-02,  
7.9840e-02, 8.2113e-02, -3.6544e-01, 1.6620e-01, 1.9566e-01,  
-3.4833e-02, -1.2888e-01, 4.2531e-02, 1.9069e-02, 1.1722e-01,  
9.2121e-02, 8.0705e-01, -1.2631e-01, -4.4213e-02, 7.1019e-03,  
-6.0269e-02, 2.3904e-02, 1.7657e-02, -5.6409e-02, -2.0502e-01,  
1.2922e-02, 5.1087e-02, -6.3951e-02, 2.4874e-02, 1.4485e-01,  
-1.0284e-01, -4.4364e-02, -8.4461e-02, 4.3027e-01, 7.9839e-02,  
-4.8490e-02, 1.3869e-01, -5.8769e-02, 6.7724e-01, -4.4773e-02,  
4.2669e-02, -7.3619e-02, 2.7226e-01, 3.6923e-03, -6.6364e-01,  
-9.0199e-03, -6.2420e-02, -1.1811e-01, 7.7687e-02, 4.5912e-02,  
-1.0720e-01, 7.2664e-02, 2.1431e-01, -1.2605e-01, -6.6240e-01,  
1.2674e-01, 1.7948e-01, -8.7604e-02], device='cuda:0')
```

Out[25]: Parameter containing:

```
tensor([[ 0.0184, -0.0213,  0.0525, ..., -0.0333, -0.0634, -0.0108],  
        [-0.0572,  0.0245, -0.0213, ...,  0.0062, -0.0162, -0.0106],  
        [-0.0588, -0.0397,  0.0084, ..., -0.0689,  0.0215,  0.0026],  
        ...,  
        [ 0.0206,  0.0243, -0.0039, ..., -0.0781,  0.0162,  0.0335],  
        [ 0.0238, -0.0214,  0.0053, ..., -0.0120, -0.0422,  0.0050],  
        [-0.0519,  0.0952,  0.0148, ..., -0.0044, -0.0486, -0.0286]],  
device='cuda:0')
```

Out[25]: Parameter containing:

```
tensor([-1.0075e-02, -1.0417e-02, -2.0337e-02, -2.0292e-02,  7.7771e-04,  
        -1.0172e-03, -1.2697e-02,  1.9371e-03, -5.6229e-03,  7.4173e-03,  
         1.0997e-02,  1.5429e-02,  1.2760e-02,  9.6137e-03,  5.8527e-03,  
        -2.9373e-03, -1.0807e-02, -5.6875e-03, -1.3446e-02,  1.3046e-02,  
         1.4703e-03, -1.2884e-02, -1.1478e-02, -7.9595e-03,  7.5017e-03,  
         2.1585e-05,  8.2518e-03, -1.6661e-02,  2.8953e-02,  1.1397e-02,  
         6.5352e-03, -2.6054e-02, -4.8450e-03, -1.3077e-02, -8.0707e-03,  
         7.0512e-04, -9.7667e-04, -8.5120e-03,  2.3579e-02, -1.3148e-02,  
        -5.0727e-03,  1.6037e-02,  9.6667e-03,  1.7759e-02, -8.2674e-03,  
         3.7774e-03,  1.3040e-02, -6.4301e-03, -4.5832e-03, -1.0861e-02,  
        -1.3648e-02,  1.0713e-02,  7.9458e-03,  1.4861e-02,  2.2686e-03,  
         1.6860e-02,  2.8488e-03, -1.3624e-02,  1.7303e-02,  1.2710e-02,  
        -9.5447e-03,  5.4002e-03,  1.4346e-02,  7.5520e-03,  1.6135e-02,  
        -6.1186e-03, -3.1349e-02,  1.7721e-03,  3.3957e-04, -7.5414e-03,  
         2.9423e-03,  1.9694e-02, -7.7310e-03, -1.6683e-03,  1.7243e-02,  
        -1.9791e-02, -6.4556e-03,  1.7529e-03, -1.0001e-02,  1.9455e-02,  
         1.3660e-02, -1.7057e-02, -2.0694e-03, -1.5512e-02, -3.8588e-03,  
         2.1790e-02,  7.2939e-03, -8.4254e-03,  9.2508e-04, -1.5140e-02,  
         2.0099e-03,  2.9719e-02,  3.2067e-02, -1.7907e-02,  9.0897e-04,  
         9.4752e-03, -2.9823e-02,  3.8271e-02,  2.2204e-03, -5.3233e-04,  
         6.6878e-03, -1.1932e-02, -1.9041e-04, -1.8200e-03, -2.0022e-02,  
         7.0784e-04, -1.6412e-02,  1.8200e-02,  8.0011e-03, -3.1412e-04,  
         1.3734e-02,  2.6890e-02,  1.9503e-02, -3.7182e-03, -3.5901e-03,  
        -3.6933e-03, -4.6988e-03,  1.4028e-02, -2.8782e-02,  5.5058e-03,  
        -5.6860e-03,  3.9444e-03,  6.4965e-03,  2.7881e-02,  1.9791e-02,  
         6.0795e-03,  6.7550e-03, -3.3282e-02, -1.1769e-02,  1.3671e-02,  
         2.0792e-02, -1.2525e-02, -1.1824e-02,  8.0281e-03, -2.0690e-02,  
         1.0214e-02, -1.4814e-03,  1.1208e-02, -1.4112e-02,  2.1497e-02,  
         1.1823e-02,  5.9007e-03, -1.0219e-02, -6.7618e-03, -5.7390e-03,  
         2.1958e-03,  2.7379e-03, -6.5778e-03,  1.9773e-02, -1.5826e-02,  
        -2.1878e-02, -4.1987e-03, -9.8155e-03, -1.4210e-03,  8.6402e-03,  
        -6.7337e-03,  7.4668e-03, -5.4462e-03,  6.6029e-03,  2.8689e-04,  
         1.2368e-02, -1.0034e-02,  5.9348e-03, -1.5912e-02, -1.2642e-02,  
        -1.7540e-02, -3.8576e-03,  7.4229e-03,  1.0795e-02,  6.4721e-03,  
         4.9277e-05, -7.9050e-03, -8.0220e-03, -1.6798e-02,  1.0887e-02,  
        -9.3153e-03, -1.7628e-02, -1.3603e-02, -3.8269e-03,  8.6713e-03,  
         1.7054e-05,  3.4380e-03,  5.3629e-03,  8.5763e-03, -9.5103e-03,  
        -5.9579e-03,  2.7914e-03,  7.4597e-03, -2.0806e-03,  2.5512e-02,  
         8.4277e-03,  1.4693e-02, -1.6985e-02, -1.8396e-03,  1.1919e-02,  
        -8.2675e-03,  2.6045e-04, -8.8455e-03, -3.2940e-03,  5.8757e-03,  
        -5.9933e-03, -8.1011e-03, -1.5886e-02,  2.4785e-03,  1.3606e-05,  
        -7.4808e-04,  3.3942e-03,  4.8448e-03,  1.0583e-02,  1.1698e-02,  
        -1.2521e-02, -1.0581e-04,  1.7523e-02,  7.1321e-03, -8.8869e-05,  
         5.6137e-03, -6.6109e-03, -2.3035e-03, -1.2568e-03,  1.0444e-02,  
         1.2320e-02, -7.7411e-03,  1.0762e-02, -7.8119e-03,  1.2771e-02,  
         8.7757e-03,  8.8710e-04,  4.2718e-03,  9.4991e-03, -2.1973e-03,  
         5.6534e-03,  2.8300e-02,  2.1661e-02, -1.4835e-02,  5.6247e-03,  
        -8.2092e-03, -1.8914e-02, -1.0979e-02,  1.6969e-02,  1.3447e-02,  
        -9.5001e-03,  4.2178e-03, -5.9669e-03,  6.7192e-04,  1.6750e-03,  
        -6.7308e-03, -8.5925e-03, -3.6185e-03,  2.0385e-02, -1.1236e-02,  
         1.9354e-02,  2.4767e-03,  4.5667e-05, -2.4576e-02, -1.2972e-02,  
        -7.6140e-03, -2.2049e-02,  8.7610e-03,  6.2655e-03, -1.0032e-02,  
        -1.4905e-02, -2.4235e-02, -8.6851e-03,  4.4111e-04, -3.6454e-03,  
         1.1988e-02,  2.6714e-02,  2.1765e-02,  9.0139e-03,  1.1199e-03,  
        -1.5102e-02, -1.4509e-03,  2.5055e-04, -3.2562e-03, -9.2689e-03,  
         1.8723e-03, -5.5015e-03,  9.6090e-03,  8.7483e-03,  1.2689e-02,  
        -1.5338e-02, -2.5942e-03,  2.5726e-02, -5.4936e-03, -4.6339e-03,  
        -1.1200e-02, -4.1726e-03, -2.7226e-03,  7.3740e-03,  2.8862e-03,  
        -7.8244e-03, -6.6723e-03, -3.2337e-02,  2.2980e-02, -3.1707e-02,
```

1.1537e-02, 3.5188e-03, 6.0498e-03, 7.0590e-03, -1.5149e-02,
2.2419e-02, -3.5377e-02, -1.7656e-02, -3.3041e-02, 6.4010e-03,
-1.1665e-02, 2.6104e-02, -6.8072e-03, -5.4293e-03, -1.0702e-02,
2.4958e-02, -1.4814e-02, 2.5906e-02, 1.6425e-02, -1.7062e-02,
-8.8784e-03, -3.0784e-03, 9.1918e-03, 2.8803e-02, 8.6171e-03,
1.3027e-02, -1.4575e-03, 1.8601e-02, -1.5054e-02, 2.6022e-02,
1.2037e-02, 7.5409e-03, -2.8161e-03, -1.9806e-02, 1.4246e-02,
-2.0679e-02, -5.4920e-03, 1.5431e-02, 1.4182e-02, 2.8806e-03,
-1.0370e-02, 9.5631e-03, 9.7275e-03, -1.7096e-03, -7.7789e-04,
-1.1621e-02, 1.9238e-02, -1.6854e-02, -5.5604e-03, -1.7900e-02,
-7.8646e-03, -1.0803e-02, 2.6341e-02, 7.1469e-03, 4.8260e-03,
-8.9718e-03, 1.3373e-02, -5.6396e-03, 8.1039e-03, -6.6146e-03,
-9.1918e-04, -1.7085e-02, -4.1961e-03, 4.9408e-03, 1.4033e-02,
1.3035e-02, 4.1858e-03, -1.9962e-03, -1.6115e-03, 9.8372e-03,
1.4337e-02, -1.1681e-02, -4.3019e-03, 2.0849e-02, -3.6798e-03,
-6.2328e-03, 1.6673e-02, -1.2100e-03, -1.2724e-02, 1.4689e-02,
-1.5960e-02, 1.0563e-02, -6.2101e-03, -4.4920e-03, -1.8790e-03,
6.5873e-03, 1.8769e-02, 1.8660e-02, 4.9030e-03, -4.3078e-03,
-6.0682e-03, -2.7475e-02, 3.1429e-02, 6.1212e-04, -1.6555e-02,
4.5614e-03, -2.5996e-02, 8.5636e-03, 3.4233e-03, -3.3356e-03,
-8.2520e-03, 6.8314e-03, 3.7944e-02, -2.0231e-02, 6.3686e-03,
-1.7799e-02, 4.0129e-02, 2.0404e-02, 1.3363e-02, -1.4875e-02,
-2.4175e-02, -5.8563e-03, 3.4408e-02, -5.7313e-03, 5.2287e-02,
2.6800e-03, -3.1478e-04, 1.1945e-02, -9.0791e-03, 3.0986e-02,
5.5878e-02, -6.9087e-03, 2.2997e-02, 5.7942e-03, -4.6205e-04,
-2.6428e-03, -4.6748e-03, -2.6541e-02, -4.4335e-02, 2.1968e-02,
-3.9980e-03, -2.2561e-02, 1.9013e-02, 7.2316e-03, -6.1819e-02,
-6.9251e-03, -1.5059e-02, 2.3116e-02, 1.8182e-02, -3.3118e-02,
-3.7022e-03, -1.3009e-02, 8.2837e-05, -1.4125e-02, 1.3992e-02,
1.1929e-02, 2.9269e-02, -1.3074e-02, 2.3207e-02, -2.2932e-02,
1.4380e-02, 4.2860e-02, 9.6390e-03, 2.0834e-02, -7.0019e-03,
-4.7670e-03, 5.5464e-03, -3.1876e-02, -7.2001e-03, -1.5912e-02,
8.8338e-03, 8.2719e-04, 5.5249e-03, -2.6986e-04, 1.0649e-02,
-1.6623e-02, -2.4756e-03, 1.1810e-02, -8.6682e-03, 8.1688e-03,
2.2313e-03, -3.1969e-03, -2.6836e-03, 3.1893e-03, 6.2067e-03,
3.9206e-02, 2.1898e-02, -3.5195e-03, 9.6738e-03, -1.4481e-02,
-1.8134e-02, -6.9434e-03, 4.8369e-03, 2.1029e-03, 5.8546e-03,
-5.9526e-04, -6.4344e-03, 1.0526e-02, -8.0552e-03, 1.2203e-02,
5.1427e-03, 1.1370e-03, -5.3481e-03, 2.0191e-02, -9.9807e-03,
2.4127e-03, 4.3694e-04, 1.3577e-02, 1.3014e-03, 1.5072e-02,
-7.2663e-03, 4.4728e-03, 8.0106e-03, -3.6748e-03, -1.2086e-02,
5.9323e-03, 2.1471e-02, 1.8040e-02, -2.4069e-02, -2.7616e-03,
1.7442e-02, 1.1316e-02, -3.2515e-03, 3.4821e-03, 5.8508e-03,
-9.9133e-03, 3.2007e-03, -1.0647e-02, 7.1806e-03, 4.3584e-03,
7.4146e-03, -1.2183e-02, -8.7657e-03, -1.0645e-02, -2.1716e-03,
-1.3369e-02, -3.0835e-03, 1.3106e-02, -6.8490e-04, 1.1518e-03,
7.0839e-03, -3.9319e-03, 5.9033e-03, -5.4276e-03, 2.5492e-03,
-3.9963e-03, 2.4199e-03, 7.0358e-03, 1.1000e-02, -5.9014e-04,
-1.6446e-03, 1.6927e-02, 1.5047e-03, -1.9042e-02, -3.0099e-02,
-1.4293e-02, -4.6819e-03, -1.4262e-02, 6.1504e-03, -9.2144e-03,
-1.7634e-03, 3.7702e-05, -7.9764e-03, -6.7863e-03, -6.8354e-03,
-7.3853e-03, -5.2896e-03, 6.5083e-03, 2.1056e-03, 3.2168e-03,
-4.9144e-03, -1.6080e-02, -1.7473e-02, 2.2386e-02, -1.2419e-02,
-1.0838e-03, 6.0648e-03, 5.4452e-03, 1.1457e-02, 7.4004e-03,
-3.0637e-03, -1.7475e-02, 2.8594e-03, -3.5056e-03, -2.2547e-04,
-6.3554e-03, 7.0607e-03, 1.2919e-02, 7.6925e-03, -7.5641e-03,
-1.3179e-02, 1.3698e-02, -3.4615e-03, -3.0141e-02, -7.1983e-03,
8.6931e-03, 1.5309e-02, -6.1679e-03, -6.7508e-03, 7.7863e-03,
7.9974e-04, 7.3668e-04, -5.3152e-03, 2.2770e-03, -3.6659e-02,
1.2694e-02, 2.3698e-03, -1.2164e-02, 2.4778e-02, -1.8991e-02,

```
-2.2964e-03, -1.7482e-02, 1.0140e-02, -1.1861e-03, -1.9943e-02,  
-1.0461e-02, -8.8947e-03, -1.3355e-02, 6.5016e-03, 1.7105e-02,  
5.1124e-03, -3.0956e-02, 5.1733e-03, 6.1775e-03, -7.9060e-03,  
2.3787e-02, 1.1096e-02, 8.4936e-03, 4.6835e-03, -3.9784e-05,  
8.5931e-03, 4.6310e-03, 1.0998e-02, 1.2076e-02, 1.4956e-02,  
1.2702e-02, -2.6647e-02, -8.7726e-04, 9.2679e-03, 7.5070e-03,  
-9.7856e-03, -1.4793e-02, 1.7924e-02, 2.1412e-02, 1.0455e-03,  
-3.3459e-03, -1.0131e-02, 1.5734e-02, -1.2494e-02, 1.1667e-02,  
3.0115e-03, -2.0091e-02, 2.9721e-02, -2.1082e-03, -5.6886e-03,  
5.1648e-03, 4.1700e-03, -8.7113e-03, 8.5368e-03, -1.5167e-02,  
3.4309e-03, -5.4037e-03, -1.8582e-03, 2.3647e-02, 1.4141e-02,  
-1.0836e-02, 2.9797e-02, -1.0378e-02, -2.3975e-02, -1.3293e-02,  
-4.3529e-03, -1.7205e-02, -1.9262e-02, -9.3992e-04, -2.0457e-02,  
-7.5196e-03, 4.8672e-03, 7.7590e-03, -2.7742e-03, -9.5354e-03,  
-1.9153e-02, -1.7364e-02, -4.9460e-03, 2.6230e-03, 9.3958e-03,  
-9.6004e-03, 2.1082e-02, -1.0267e-02, -2.1399e-02, 1.0316e-02,  
1.3857e-02, -1.6552e-02, -2.1309e-02, -1.7625e-03, -2.1863e-02,  
1.1309e-02, -6.3027e-03, 9.5243e-03, 1.6959e-02, -5.1258e-03,  
-1.0088e-02, -1.2836e-02, 5.5774e-03, -2.7353e-02, 9.8548e-03,  
6.1887e-04, -3.0496e-03, -8.4543e-03, -7.6314e-03, 5.6183e-05,  
-6.3650e-03, 6.0787e-03, 2.1663e-02, 1.5183e-02, -2.1719e-02,  
-3.1687e-03, 1.3468e-02, -2.3215e-02, -1.2821e-02, 1.5559e-02,  
-2.3929e-02, 1.0180e-02, 2.1483e-02, -1.2194e-02, 1.1760e-02,  
-3.7700e-02, -1.6506e-02, 3.3196e-02, -3.3302e-02, -9.7006e-03,  
-3.6051e-02, 2.9368e-02, -1.6770e-02, -2.8375e-02, 1.4344e-02,  
-1.0041e-02, -2.8657e-03, 2.3724e-02, 1.8252e-02, -2.5516e-02,  
2.2503e-03, 4.9966e-03, -2.4561e-04, -1.1948e-02, 2.2217e-02,  
-2.2557e-02, -1.2601e-02, 2.1494e-02, 1.7537e-02, -4.8258e-03,  
1.2157e-03, -1.1775e-02, 1.6756e-02, 2.1932e-02, 3.8027e-02,  
-3.4158e-03, 1.7395e-02, 2.0253e-03, 2.3728e-02, 2.3928e-02,  
-7.2366e-03, 2.5269e-02, -5.4933e-03, 1.2685e-02, -1.7366e-02,  
3.6240e-03, 7.1399e-03, -1.7777e-03, 3.4199e-02, -5.5893e-03,  
-1.1909e-02, 4.2024e-02, 4.9207e-03, 6.1495e-03, -2.4707e-03,  
3.5076e-02, 3.6136e-03, 1.1742e-02, 1.1649e-03, -3.0315e-03,  
2.8070e-02, 2.7201e-02, -8.3737e-03], device='cuda:0')
```

Out[25]: Parameter containing:

```
tensor([[ -0.0083,  0.0986, -0.0463, ..., -0.1325,  0.0613, -0.0455],  
        [ -0.0732, -0.1199, -0.0175, ...,  0.0740, -0.0295,  0.0625],  
        [ -0.0815, -0.0478,  0.0002, ..., -0.0629, -0.0069, -0.0356],  
        ...,  
        [ -0.0118, -0.0761,  0.0538, ...,  0.0583,  0.0595,  0.0114],  
        [ -0.0036,  0.0132,  0.0118, ...,  0.1139,  0.0602,  0.0010],  
        [ -0.0320,  0.0504, -0.0466, ...,  0.0404,  0.0059,  0.0197]],  
device='cuda:0')
```

Out[25]: Parameter containing:

```
tensor([-2.3952e-02, -2.4960e-03, -3.8462e-03, -1.2632e-02, -5.0494e-03,
        -3.4918e-02,  1.3770e-02,  2.7660e-03,  5.6500e-02, -1.5780e-02,
        -2.0267e-02,  1.9976e-02,  3.4250e-02, -1.5074e-02,  2.2712e-02,
        -8.2218e-03, -5.5275e-03, -1.5809e-02, -2.9299e-02, -3.3735e-02,
        -6.0686e-03,  4.8132e-02, -1.7566e-03, -1.4753e-02,  4.5959e-02,
        -2.3555e-02, -2.1393e-02,  3.6288e-02, -2.8094e-02,  2.4025e-02,
        -5.4751e-04,  2.7793e-02, -3.3931e-02, -5.1771e-02,  1.2204e-02,
        -4.3696e-03,  5.7509e-03, -1.3433e-02, -2.5912e-02,  1.2527e-02,
        1.0334e-02, -2.2595e-03,  7.1194e-04, -4.1630e-03,  4.3249e-02,
        3.2881e-02,  6.5274e-03, -3.2043e-02, -5.7968e-03, -4.6868e-02,
        1.9685e-02, -2.3079e-02, -2.9410e-03,  1.3759e-02,  1.9894e-02,
        3.8749e-02, -7.3342e-03,  4.3007e-02,  3.9630e-04,  8.3592e-03,
        -1.0212e-02,  6.4227e-03,  1.5209e-02,  1.8642e-02,  4.9994e-02,
        -7.3977e-02,  1.3922e-01,  9.5467e-02, -6.5006e-02,  8.2706e-03,
        8.1224e-02,  9.7065e-02, -2.3858e-02,  3.7737e-02,  3.4130e-02,
        -4.5446e-02,  7.6901e-02,  3.6100e-03, -1.7693e-03,  8.3158e-02,
        6.6684e-02, -1.2946e-02,  2.0160e-02,  3.4267e-02, -6.3123e-02,
        1.5417e-01, -7.2889e-02,  7.0440e-02, -7.4259e-02,  1.8834e-02,
        -8.6947e-04, -4.3096e-02, -2.0482e-02,  2.9334e-02, -2.4804e-03,
        -2.9118e-02, -7.6513e-02,  4.7115e-02, -3.9946e-02,  8.9388e-03,
        2.6940e-02,  1.3549e-02, -6.2657e-02,  1.6839e-01, -7.9716e-02,
        8.7359e-02,  2.5188e-02, -8.3193e-02,  6.9474e-02, -8.2623e-02,
        -1.6192e-01, -1.5016e-02,  7.6700e-03,  7.1496e-02, -6.2295e-02,
        3.8206e-02, -1.9117e-01, -6.1701e-02,  6.2161e-02,  1.3356e-02,
        5.2125e-02, -5.6757e-02, -2.0323e-02, -4.9114e-02, -4.4380e-02,
        -1.7926e-01, -7.7842e-02,  3.6445e-02,  2.9330e-02, -1.3920e-03,
        1.0679e-02, -8.3061e-04,  2.2152e-02,  3.0659e-02,  1.2627e-02,
        -1.0037e-02, -1.6577e-02, -7.8699e-03,  8.4764e-03,  2.6139e-02,
        -1.2450e-02,  1.7631e-02,  2.6250e-02, -4.5499e-02, -1.3577e-02,
        2.5899e-02,  2.1781e-02,  1.5443e-02,  8.4978e-03,  6.1509e-03,
        2.1277e-02, -8.5439e-04,  4.5921e-03, -8.3126e-03, -4.2595e-02,
        -2.4378e-03,  4.6568e-03,  8.0684e-03, -4.1323e-03,  3.2455e-02,
        -2.9719e-02, -2.1130e-02, -2.9542e-02,  1.1952e-02, -1.7074e-02,
        2.7562e-02,  3.0657e-02,  7.7372e-03,  1.6896e-02,  1.0063e-02,
        1.7152e-03,  3.1186e-02,  1.7298e-02,  1.0107e-03, -2.7974e-02,
        6.0556e-03,  9.5114e-03,  3.8956e-02,  7.3900e-03,  1.8402e-03,
        2.1903e-02, -1.3977e-02,  1.7003e-02,  1.1643e-02,  5.9675e-02,
        1.0691e-02, -1.1065e-02, -3.0337e-03, -6.4244e-03, -1.3869e-02,
        -2.1171e-02, -2.7472e-02,  9.3729e-03,  1.6803e-02,  4.6864e-03,
        -7.6903e-03,  1.3794e-02, -4.3545e-03, -7.7776e-03,  3.2399e-02,
        2.4196e-02,  7.4177e-03, -1.1562e-02, -1.2021e-02, -2.8812e-02,
        -2.1116e-02, -3.2786e-02,  1.7866e-02, -1.1167e-03,  2.7511e-02,
        7.1544e-03, -9.4421e-03,  1.5194e-02,  4.6917e-03,  1.3534e-02,
        2.3243e-03, -2.7749e-02, -1.1269e-02, -4.1956e-03,  8.0065e-03,
        7.9311e-03, -9.8267e-03,  5.9324e-03, -1.4293e-02,  5.5192e-03,
        -2.0589e-03,  9.6936e-03, -4.8320e-03, -1.1724e-02,  7.7174e-04,
        -3.7921e-04,  3.7865e-03, -2.7111e-02, -1.7314e-02,  4.6295e-04,
        -3.9815e-03, -2.1029e-02, -8.5959e-03, -1.5348e-02,  2.3771e-02,
        -4.3358e-03,  7.9179e-04,  2.2607e-02,  3.3135e-02,  2.3605e-02,
        8.8681e-03, -1.2852e-02, -2.6259e-02,  1.7239e-02, -3.2229e-02,
        5.3072e-03,  1.5705e-02,  2.4740e-02, -1.8201e-02, -2.1946e-02,
        2.5413e-02,  1.4380e-02, -1.9667e-02, -2.7761e-02,  2.2832e-02,
        3.6559e-02,  2.2078e-03,  2.8626e-02,  4.1708e-03,  5.4068e-02,
        3.5073e-02, -3.1669e-02,  1.1135e-02, -3.6341e-03,  2.5156e-02,
        4.4401e-02,  5.4011e-02,  3.7913e-02, -1.5001e-02, -5.6675e-03,
        4.6079e-02, -4.3572e-02,  2.1902e-02, -1.3056e-02, -6.3693e-02,
        -3.5866e-02, -3.2142e-02,  6.2376e-02,  3.9358e-02,  1.8368e-02,
        -2.7862e-02,  1.6970e-02,  2.6348e-02, -2.4729e-02,  3.5172e-02,
        -4.7142e-02, -2.5552e-03,  2.3032e-02,  1.4134e-03,  1.0385e-02,
```

-3.4037e-02, 3.5604e-02, 4.1759e-03, -2.3387e-03, -5.9486e-03,
1.9263e-02, 1.7888e-03, -1.7733e-02, -9.4828e-03, 3.7296e-02,
-9.8607e-03, -5.6193e-03, 2.2772e-02, 9.9631e-03, -3.4235e-02,
-2.5888e-02, -6.7484e-03, -3.4997e-02, 3.7262e-03, -5.0764e-03,
4.9127e-02, -5.3087e-02, 1.4602e-02, 4.7880e-03, -4.4368e-02,
2.0116e-02, 7.6860e-03, 5.2550e-02, -4.3367e-02, -1.3903e-02,
3.8021e-03, 1.5211e-02, 1.2271e-02, -5.9702e-03, -2.7570e-02,
-1.5217e-02, -1.4849e-02, -2.1287e-03, -6.6348e-02, 2.0705e-02,
2.9194e-03, 2.0312e-02, 6.9236e-03, 1.7454e-02, -3.9623e-02,
-1.4390e-02, 1.5966e-02, -1.1110e-04, 8.4413e-03, 5.9999e-03,
-1.6261e-02, 1.1525e-02, 2.5666e-02, -8.5259e-04, -1.8834e-02,
-1.1470e-02, 1.9210e-02, -1.8316e-02, 2.7058e-02, -7.8266e-03,
1.5767e-02, -2.8691e-02, 3.3490e-03, -6.5845e-04, -1.2315e-02,
4.6836e-02, -6.8297e-03, -7.8957e-03, -1.3112e-02, 4.4969e-04,
3.4798e-02, -9.2300e-04, 3.8081e-02, -5.2858e-02, 5.4741e-03,
1.4278e-02, -7.0046e-02, -7.9090e-03, -1.5756e-02, -1.1593e-02,
2.9819e-03, 1.7709e-02, -2.5162e-02, 4.7998e-03, -2.6280e-02,
-3.4305e-03, -1.4313e-02, -2.2938e-02, -1.9977e-02, -6.3438e-03,
-1.9514e-02, -5.0545e-02, -1.3400e-02, 2.0420e-02, -1.5236e-01,
-8.0705e-02, 1.1550e-01, 4.0378e-02, 4.9966e-02, 3.2169e-02,
-1.3011e-02, 6.7700e-03, -5.1638e-02, -7.4036e-02, -6.3169e-02,
9.7594e-03, -4.9681e-03, 3.7706e-02, -1.0494e-01, 5.3992e-02,
1.7895e-02, -4.7109e-02, -5.7313e-03, 6.7115e-02, -7.6533e-02,
-1.8786e-02, -4.6120e-02, -2.2007e-02, 5.2531e-02, 4.5565e-02,
-1.9729e-02, 1.2760e-02, -4.7415e-02, 1.3281e-01, 1.8716e-02,
1.9489e-02, -4.0823e-02, 2.0719e-02, -3.3510e-02, -1.6180e-02,
3.7081e-02, -9.4092e-02, 4.1681e-02, 1.7513e-02, 5.9197e-02,
-1.9868e-01, 6.3967e-02, -3.3007e-02, 4.3529e-02, -1.9748e-02,
6.5279e-02, 1.8749e-02, 2.1635e-02, -6.4167e-02, -1.4160e-02,
2.6077e-02, -4.6365e-03, -8.3043e-02, -4.6262e-02, 7.3184e-02,
3.3330e-02, -4.1253e-03, 8.5344e-02, -8.3109e-02, -4.8541e-02,
2.5517e-02, -2.5888e-02, 3.4412e-02, 1.6766e-02, -6.4390e-02,
2.2810e-03, -1.6562e-02, 7.3931e-03, 6.2554e-02, 1.1214e-03,
-5.2140e-02, 3.2419e-03, -2.9311e-02, -1.2322e-02, -8.5204e-03,
-5.8794e-02, 5.7181e-02, -4.8073e-03, 3.4005e-02, -5.7380e-02,
1.6903e-02, -5.1139e-03, 1.9871e-02, 8.0224e-02, 4.2879e-02,
2.5361e-02, 1.3411e-02, -1.9809e-02, 9.1706e-03, 3.2282e-02,
-2.6669e-02, -3.5056e-03, -1.4466e-02, 1.0173e-02, 4.3006e-02,
-4.4060e-02, -3.6412e-02, 1.9639e-04, 1.2370e-02, 2.0903e-02,
1.7397e-02, 5.4903e-02, -3.1193e-02, -3.1122e-03, -1.8570e-04,
4.7580e-02, 7.7146e-03, 3.8941e-02, -1.2306e-02, 2.3397e-02,
-6.7737e-02, 3.2817e-03, 5.5543e-02, 3.2819e-02, -2.5272e-02,
1.6624e-02, -2.1067e-02, -4.9833e-02, -9.9750e-03, 5.9062e-02,
6.6467e-02, 2.3151e-02, 3.8314e-02, -4.8458e-02, -3.6540e-02,
2.5779e-02, -5.5321e-02, -6.5866e-02, -2.3524e-02, -7.3938e-03,
4.8537e-03, -3.0909e-02, 1.4719e-01, -5.8115e-02, 3.8597e-02,
-1.0106e-01, -7.2554e-03, -4.1727e-02, -3.6345e-02, -2.5137e-02,
5.6700e-02, 1.0073e-01, -2.8642e-02, -2.0672e-02, -3.1133e-02,
4.4802e-02, 6.3330e-03, 4.8116e-02, -1.1749e-02, -6.4083e-02,
-3.5512e-02, 3.9066e-02, -7.3578e-03, -2.3290e-02, -6.6331e-04,
4.8990e-02, 2.0184e-02, 3.0398e-02, 6.2515e-02, 1.6403e-02,
-3.6864e-01, 5.2267e-02, 6.9258e-02, 4.0492e-02, 1.0747e-01,
-1.3504e-03, -2.1283e-02, -9.2416e-02, 7.3873e-03, 2.3105e-02,
-1.9100e-02, 2.7939e-02, 6.0197e-02, -5.7353e-02, 5.0073e-02,
2.1051e-02, -9.1282e-02, -1.1471e-01, 2.6117e-02, -1.8121e-02,
1.1489e-01, -2.2730e-02, 4.8487e-02, -3.0922e-02, 5.9002e-02,
-6.9488e-02, -1.4715e-02, -5.2692e-02, -1.3204e-02, 1.3559e-01,
-1.3754e-01, -2.9995e-02, -7.7482e-02, -2.3211e-02, 1.5661e-01,
1.3777e-02, -9.9575e-03, -3.0999e-03, -1.8072e-02, 8.8499e-02,
3.4899e-03, -3.5084e-02, 5.3314e-02, 1.1123e-02, -6.2559e-04,

```
-1.0193e-02, 1.4611e-02, 2.4522e-02, -1.6711e-01, 3.5531e-02,  
-3.2245e-02, -7.1326e-02, 2.6015e-05, -1.6517e-02, 2.7040e-02,  
3.6592e-02, -5.3958e-02, 8.3622e-03, -1.8770e-02, 4.1427e-02,  
-5.4866e-03, -2.1112e-02, -2.1136e-02, -9.8945e-02, 1.5709e-02,  
-2.4075e-02, 1.2509e-01, 2.5222e-02, 1.1443e-01, 2.0995e-02,  
-1.2488e-02, -3.9189e-03, -2.9264e-02, -3.7367e-02, 1.3973e-03,  
9.3885e-03, -1.0777e-02, 2.3249e-02, 2.2527e-02, 3.3825e-02,  
1.6075e-02, 5.7556e-03, 6.9974e-03, 2.9659e-02, 2.4228e-03,  
-6.8077e-02, 3.1251e-02, 9.6907e-04, 2.9053e-02, -2.5284e-02,  
-1.0186e-03, -6.2463e-03, -4.7119e-02, 5.3023e-02, 4.2079e-03,  
-8.3091e-03, 3.2780e-02, -1.0221e-02, -2.4577e-03, -5.1069e-03,  
-1.7820e-02, 1.7379e-02, 2.4487e-02, 1.3455e-01, -2.1150e-02,  
1.8235e-02, -1.4188e-02, -2.8775e-02, -2.9558e-02, -7.3476e-02,  
5.1806e-04, -7.9516e-02, 1.2848e-02, -1.4320e-02, 1.2782e-02,  
-6.9222e-02, 2.1561e-04, 4.4195e-02, -5.2396e-02, -2.0722e-02,  
5.0118e-02, -4.0216e-03, 3.2064e-03, -1.0192e-01, 2.5392e-02,  
3.3986e-02, 1.2617e-01, -2.6216e-02, 3.5838e-02, 3.8192e-02,  
1.5295e-02, 1.8165e-02, -5.2853e-02, 2.6485e-02, 8.3686e-02,  
1.1240e-01, 6.0948e-02, 1.3804e-01, -6.4546e-02, -2.6662e-02,  
-5.4451e-02, -2.3023e-02, 9.3688e-03, 1.3923e-01, -1.6362e-02,  
-2.4930e-02, -6.3599e-03, -2.2210e-01, -1.3692e-02, 4.5786e-02,  
-1.1009e-02, -1.8772e-02, -1.0193e-01, -4.5059e-02, -6.5316e-03,  
-9.2112e-03, -1.1657e-01, 5.8590e-02, -1.3058e-02, 1.6543e-02,  
-2.3978e-02, -1.5475e-01, -2.7481e-01, 1.5597e-03, -2.8344e-02,  
-1.0558e-02, -2.5945e-02, 3.0349e-02, -2.8257e-02, -1.1676e-02,  
-1.2590e-02, -1.8158e-02, 4.8267e-02, -7.9783e-03, -2.2810e-02,  
8.0197e-03, 7.2607e-02, 4.7261e-02, 2.4271e-02, 2.4121e-02,  
1.7000e-02, -3.0432e-02, -2.8375e-02, -5.4995e-02, 3.1644e-02,  
9.4577e-02, 9.6932e-02, 9.0441e-02, 1.3696e-03, -5.1102e-02,  
-2.2680e-02, 6.5355e-02, -4.5000e-03, 1.9669e-02, -2.3289e-02,  
-7.2434e-02, -4.4246e-02, -8.8771e-02, -5.5060e-03, -3.4779e-03,  
2.2659e-02, -3.5491e-02, -9.4585e-03, 5.9073e-03, -5.3707e-02,  
2.3579e-01, -2.1702e-02, -2.5694e-01, 1.1354e-02, -2.2016e-02,  
3.2062e-02, -3.0039e-02, -2.2624e-03, 5.1221e-02, -5.9828e-03,  
9.9458e-03, 3.2842e-02, -5.6896e-02], device='cuda:0')
```

Out[25]: Parameter containing:

```
tensor([[ -0.0028,  0.0124,  0.0399, ...,  0.0236, -0.1044,  0.0052],  
        [ 0.0392,  0.0480, -0.1074, ...,  0.0638,  0.0313, -0.0574],  
        [ 0.0059,  0.0496, -0.0081, ...,  0.0486, -0.0150,  0.0906],  
        ...,  
        [ -0.0451,  0.1398, -0.0124, ..., -0.0312,  0.0836, -0.0751],  
        [ 0.0031, -0.0336,  0.0217, ...,  0.0426, -0.0454, -0.0660],  
        [ -0.0040, -0.0436, -0.0211, ...,  0.1192,  0.0216, -0.0553]],  
        device='cuda:0')
```

Out[25]: Parameter containing:

```
tensor([-9.8556e-02, -2.0090e-01,  6.2619e-02, -2.3301e-01, -3.6440e-02,
        3.8686e-02,  6.7189e-02,  2.0729e-01, -2.5565e-02,  2.5905e-02,
       -9.1621e-02,  5.9709e-02, -3.2475e-01,  1.6854e-02, -1.1564e-02,
       -3.4733e-03, -5.8710e-02,  1.5125e-01,  4.9130e-02,  1.4119e-01,
       -3.9920e-02, -1.2853e-01,  6.6312e-02, -1.7766e-02,  1.4202e-02,
       -7.9324e-02,  1.7738e-01,  1.0411e-02,  2.1675e-02, -1.4175e-01,
       -1.1551e-01,  1.2996e-01,  3.5467e-02,  6.5318e-02,  2.7197e-02,
       -2.8406e-01,  5.0299e-02, -1.0356e-01, -1.8719e-01, -1.5509e-01,
        5.2888e-02, -4.8095e-02, -8.4858e-02, -5.3938e-03,  3.0560e-02,
        1.4757e-01, -1.2399e-01, -1.1692e-01, -8.8960e-02, -1.0572e-01,
        7.2177e-02, -2.4653e-01,  1.0886e-01,  1.8677e-01,  5.6791e-02,
       -4.7354e-02,  1.1033e-01, -6.7169e-02, -3.7585e-02,  1.3725e-01,
        2.1779e-02, -2.9263e-02,  4.7881e-02,  2.3162e-02, -1.4442e-01,
       -1.3854e-02, -1.5129e-01, -7.7575e-02,  6.5631e-02, -2.4485e-02,
        3.0694e-02, -5.1581e-02,  2.1327e-01,  9.4110e-02, -2.7929e-02,
        5.8113e-02,  1.4237e-02, -4.5526e-02, -6.4955e-02,  2.1384e-02,
       -1.2333e-01, -4.8684e-02, -2.1666e-02,  1.6917e-01, -5.2245e-02,
       -1.0291e-01, -1.2190e-01, -3.1958e-01,  2.0375e-01, -7.1231e-02,
        2.9807e-01,  3.1580e-02, -2.0406e-02, -3.2201e-02, -1.0029e-01,
        9.3735e-02,  1.0222e-01,  1.3030e-01, -1.7444e-01,  2.5028e-01,
        1.2672e-01, -8.3582e-02, -2.3949e-03,  3.2921e-02, -5.1044e-02,
       -5.6475e-02,  2.3212e-02,  5.2804e-02, -5.4037e-02, -3.8295e-02,
       -1.3431e-01, -1.6237e-02, -1.2431e-02,  1.7865e-01,  1.7541e-02,
       -4.5468e-02, -9.2920e-02,  2.8200e-01,  1.4385e-01, -2.3523e-02,
       -1.0681e-01, -7.4131e-02,  1.0118e-01, -5.0774e-02,  2.0387e-02,
       -1.1593e-02,  2.6817e-02, -5.0847e-02, -7.8019e-02, -3.7275e-02,
       -6.0891e-02, -1.0736e-01,  1.3874e-01, -2.4203e-03,  3.3610e-02,
       -3.1435e-03,  1.6214e-01, -1.7797e-01, -4.3531e-02, -3.0393e-02,
        1.0581e-01,  7.7332e-02, -1.6095e-01,  1.0799e-02, -2.1898e-02,
        1.1343e-01, -7.3131e-02, -9.9076e-03,  3.1681e-02, -1.2777e-01,
       -1.4803e-01, -1.2584e-01, -2.6431e-01, -1.1179e-01, -1.8344e-02,
        2.0476e-02,  2.6218e-02, -1.2097e-01, -2.0357e-01,  4.6433e-02,
        1.5024e-01, -2.2491e-03, -2.4409e-02, -2.5664e-02, -3.0234e-02,
       -1.9824e-01, -5.1340e-02, -2.3323e-02,  2.1711e-01,  1.9563e-03,
       -3.8395e-03, -1.6645e-01,  1.9151e-01,  3.2374e-02, -3.0114e-02,
        5.0363e-02, -7.5102e-02,  1.1840e-02,  1.2684e-01,  5.7435e-02,
        6.9214e-02,  1.3285e-01, -1.4170e-01, -6.2943e-03, -3.4294e-03,
        1.2436e-01,  2.1118e-01, -1.1875e-01, -1.0785e-01, -9.7129e-02,
        4.5015e-02, -8.0869e-02, -1.1169e-02,  1.5805e-01,  4.4304e-02,
       -3.1330e-01,  2.2989e-01, -6.7186e-02,  5.7134e-02,  3.4625e-02,
       -1.4858e-01,  1.2564e-01, -5.1947e-02,  3.3706e-02,  3.1379e-02,
       -3.4395e-02, -2.5233e-02,  6.0472e-02, -1.3272e-01,  4.5718e-02,
        5.3242e-02,  5.9095e-02,  5.3144e-02,  6.1132e-02,  6.8133e-02,
       -4.4463e-02,  3.3040e-02,  1.2943e-03,  1.4508e-01,  4.3968e-02,
       -1.8352e-01, -8.6500e-03,  1.7195e-02,  1.9204e-02, -7.4658e-02,
       -1.2392e-01,  2.8673e-02,  1.5819e-01,  3.5353e-02, -8.4514e-02,
       -5.9246e-02,  1.3744e-01,  3.8453e-02,  2.5406e-01, -4.0658e-02,
       -3.4466e-02,  3.1064e-02,  8.9321e-02, -4.7968e-02,  7.0564e-02,
       -1.3943e-01,  7.0816e-02, -1.2399e-01,  8.8801e-03,  1.1959e-01,
        9.5899e-02, -1.7339e-01, -1.6381e-02, -2.3963e-01, -7.0101e-02,
        1.5559e-02, -4.9937e-02, -9.1708e-02,  3.1640e-02,  1.0563e-01,
       -9.3452e-02, -1.1608e-01, -1.6818e-01, -7.1136e-02,  1.3054e-01,
       -3.3669e-02,  1.2158e-01,  5.4830e-02, -8.6396e-02, -3.6031e-02,
        8.4313e-04,  2.2562e-02,  1.8011e-01,  8.9260e-02,  5.4828e-03,
        8.9922e-02, -1.7882e-01, -1.1227e-01, -3.9777e-02,  2.4779e-02,
       -3.6850e-02,  2.8859e-02,  2.5133e-02, -6.1831e-02,  2.5652e-01,
       -7.6430e-03,  4.7678e-02,  7.5984e-02, -1.3055e-01,  1.2240e-02,
       -1.1380e-01,  5.0214e-02,  7.4662e-02,  1.2627e-02,  1.4837e-01,
       -4.6801e-03,  4.3209e-02,  5.6909e-02, -3.8093e-02, -3.6972e-01,
```


1.6877e-01, -1.2142e-01, -4.0623e-02, 1.5160e-02, -1.4514e-01,
6.3960e-02, 1.8082e-02, 9.9065e-02, -1.6428e-03, 7.4623e-03,
-8.9487e-02, 1.0854e-01, -3.1097e-02, 9.3541e-03, -1.3913e-01,
-9.2360e-02, -1.0700e-02, 2.1889e-02, 1.7987e-02, 1.6541e-01,
7.6909e-03, 7.5454e-02, 2.4256e-02, 1.2392e-02, 4.7914e-03,
1.3549e-01, 5.3134e-02, 2.2916e-03, -6.5172e-04, 4.0187e-02,
-3.4865e-02, -1.2024e-02, -2.5927e-02, 9.0903e-02, -2.7036e-02,
-3.1225e-02, -2.0276e-01, 1.4838e-01, 1.3648e-01, -1.3383e-01,
-1.1463e-01, 1.5488e-02, 8.4644e-02, -6.7716e-02, -1.2649e-01,
2.9571e-02, -2.0280e-01, -4.4114e-02, 1.2066e-01, 1.3996e-02,
1.6206e-01, -1.1139e-02, 2.0764e-01, 1.2498e-01, -1.9862e-02,
1.4200e-03, -5.6486e-02, 2.7533e-02, -6.9129e-02, 4.0609e-02,
1.1457e-01, 1.4466e-02, -1.6908e-01, -1.1637e-01, 2.0783e-01,
-6.4233e-02, -1.1286e-01, 2.5653e-02, -2.1941e-01, -2.0487e-01,
1.5655e-03, -9.7615e-02, -4.0749e-02, -1.5030e-01, 1.6666e-01,
7.2775e-02, 6.0434e-02, -6.6020e-02, 1.0761e-02, -1.1019e-02,
-3.7682e-02, 5.4627e-04, 2.5240e-02, 1.4171e-01, 2.1786e-01,
-3.4284e-02, 1.0394e-01, 8.5134e-02, 7.2275e-02, -2.3412e-01,
-2.4922e-02, 5.9405e-02, -7.6270e-02, 1.3974e-01, 2.2184e-02,
3.9712e-02, -6.9526e-02, 8.0461e-02, 6.4492e-02, 1.0191e-01,
-1.2862e-01, -2.4375e-02, 1.4749e-01, -5.5332e-02, -8.6402e-02,
-3.4138e-02, -2.8390e-02, -1.8476e-01, -1.6338e-02, -3.0304e-02,
4.0182e-02, 5.8533e-02, -4.4990e-03, 1.8998e-01, 2.2690e-02,
1.1770e-01, 1.0234e-01, -1.2393e-01, 2.7217e-02, 1.4186e-03,
3.3804e-02, 8.8475e-02, -7.3380e-02, -4.4497e-02, -8.0158e-02,
-1.9313e-01, 5.1186e-02, 5.7729e-02, 1.6587e-01, 1.7163e-01,
8.1476e-02, -9.6789e-02, 1.3937e-02, 3.4809e-02, -3.8148e-02,
-6.5435e-02, 2.4548e-02, -1.0555e-01, -6.5818e-02, 8.4759e-02,
-1.1659e-01, -1.1837e-01, 3.5083e-02, -1.5304e-02, 4.2646e-02,
8.7103e-02, 6.2622e-02, -5.7589e-02, 2.0027e-01, -2.1844e-01,
4.3493e-02, -9.4508e-02, 3.4025e-01, -1.4126e-01, 1.7871e-01,
-7.2514e-02, 1.6055e-01, -1.2118e-01, 2.8312e-02, -7.4258e-02,
1.3113e-01, -1.0496e-01, 1.9749e-01, 1.7572e-01, -4.0247e-02,
-2.0145e-01, 1.0706e-01, 1.0409e-01, 2.9048e-01, 2.0685e-02,
-9.9932e-02, -1.4015e-01, 4.4515e-02, 7.9196e-02, 2.4857e-01,
1.1684e-01, -9.6831e-02, 2.1891e-01, -6.3796e-02, 1.4001e-01,
7.2569e-02, 9.8049e-02, -1.8045e-01, -3.9670e-02, 1.5983e-01,
-7.7548e-02, 1.7534e-02, 9.4017e-03, 3.6459e-02, 9.6775e-02,
-5.9017e-02, 1.6949e-01, -1.7146e-01, 2.0584e-02, 4.6573e-02,
-7.5357e-03, 6.2074e-02, 2.2506e-01, 1.3033e-01, 1.5088e-01,
1.9247e-02, -3.2394e-02, -5.6334e-02, 5.1816e-03, 7.1377e-02,
-3.8730e-02, 1.2029e-01, 1.5478e-02, 5.4107e-02, -7.4121e-02,
2.1422e-01, 1.3686e-01, -7.9718e-02, 7.1526e-02, 3.1485e-02,
1.1049e-01, -1.0424e-01, -2.2356e-02, -2.8356e-01, -6.8534e-02,
-3.2641e-02, -7.5436e-02, -9.2830e-03, -1.9651e-02, 5.9222e-02,
5.9974e-02, -1.3381e-01, -9.7533e-02, -1.7442e-02, -1.0339e-01,
-8.1757e-03, -1.3137e-01, -1.0071e-01, 3.0860e-01, -2.7690e-02,
-4.9379e-02, 6.6865e-03, -1.7481e-01, 8.2877e-02, 1.2662e-01,
-7.1620e-02, 9.2997e-02, -3.3541e-01, -1.0692e-01, -1.2382e-01,
1.1630e-02, 4.2753e-02, -4.0047e-02, -1.0124e-01, 1.1422e-01,
6.6666e-02, -1.2171e-01, -7.7800e-03, 5.8606e-03, -1.2218e-01,
-3.2947e-02, 4.0028e-02, 2.7265e-02, 6.5754e-02, -4.9902e-03,
-5.2142e-02, 7.5355e-02, -6.7410e-02, -9.7464e-02, -5.4888e-02,
4.3447e-02, -1.0189e-01, 5.8070e-02, 7.8239e-02, 9.9217e-02,
5.2374e-02, 8.7384e-03, -1.8407e-02, -1.1536e-02, -5.4652e-02,
-1.0066e-01, -2.1163e-01, -9.7887e-02, -1.0780e-02, -6.1237e-02,
-6.9842e-02, 4.5704e-02, 8.4366e-02, -3.1815e-02, -1.0102e-01,
-7.2047e-02, 1.8589e-02, -7.3179e-02, 1.5626e-02, 1.0294e-01,
3.2300e-01, -6.9617e-02, 1.6975e-02, -2.6158e-02, -1.5758e-01,
-1.6463e-01, -3.6545e-01, 1.7312e-01, 5.1436e-02, 6.1043e-02,

-6.4284e-02, -2.3210e-02, -1.3700e-01, 9.7306e-03, -5.8234e-03,
-1.2060e-01, -6.5439e-02, 1.4744e-02, -1.0738e-01, 3.0394e-02,
-1.3549e-02, -1.5656e-01, 3.3566e-02, 1.4336e-01, 2.1631e-01,
2.2319e-01, 8.7778e-02, 1.1173e-01, -1.0135e-01, -3.0412e-02,
-1.0985e-01, 1.9147e-01, -1.0892e-02, 1.1237e-01, -7.7852e-04,
-6.0678e-02, -5.3127e-02, 1.6950e-01, -4.8989e-02, -4.7372e-03,
-1.8391e-02, -2.5705e-01, 1.9028e-01, 1.1268e-02, -1.2384e-01,
-1.8527e-01, -1.8384e-01, 8.5039e-02, 2.3540e-02, -7.4895e-02,
-1.3924e-01, 1.1975e-01, -1.3514e-01, 1.3482e-01, -1.0048e-01,
-3.7251e-02, 1.5570e-02, 8.6984e-02, -1.4313e-01, -2.0479e-02,
1.3533e-01, 1.7772e-01, -2.3138e-01, -2.1374e-02, -1.8545e-01,
-2.0944e-02, -8.2079e-02, -2.0207e-01, 2.8672e-02, 1.2118e-01,
6.0556e-02, 8.2430e-02, 9.0411e-02, -1.4250e-01, 7.9523e-02,
3.5264e-01, 4.6547e-02, 6.0024e-02, 2.2492e-01, -6.6921e-02,
-5.9228e-02, -1.9137e-01, -6.0313e-02, -1.0887e-02, 4.7018e-02,
5.7127e-02, 4.2592e-02, -1.4138e-01, 8.5146e-02, -1.8771e-02,
-1.3496e-01, 5.6563e-02, -5.0722e-02, 1.1650e-01, -1.4835e-01,
-1.0233e-01, -1.1511e-02, -1.4809e-01, -3.9737e-02, -1.7793e-01,
-9.6006e-03, 1.2248e-01, -3.5328e-02, 1.5685e-01, 1.6676e-01,
-1.7600e-02, -2.3423e-03, 1.5890e-01, -4.2594e-02, 7.7425e-02,
1.5647e-01, 1.1413e-01, -9.6910e-02, 1.6781e-01, 3.0421e-02,
1.2479e-01, 1.5568e-01, 1.7118e-01, 9.6024e-02, -1.8609e-02,
2.0617e-02, 9.4090e-02, 1.3282e-02, 3.9202e-02, 2.2561e-02,
7.9541e-02, 8.4381e-02, 1.1294e-01, 5.0218e-02, 8.3269e-02,
1.2694e-01, -1.2817e-01, 8.9202e-02, 1.2028e-01, 2.7542e-02,
-3.7873e-02, -2.4779e-01, -4.6694e-02, 4.7961e-02, -1.6769e-02,
-8.8397e-02, 3.1638e-02, -6.7499e-03, -4.4217e-02, -1.1548e-01,
-1.0686e-02, -4.2230e-02, 8.0444e-03, -4.1838e-03, -8.7141e-02,
-4.8027e-02, -2.0033e-02, -1.4147e-01, 1.0446e-01, -1.4313e-01,
7.0697e-02, 1.3809e-01, -6.7363e-02, 1.4411e-05, 1.2622e-01,
-1.0383e-01, -9.0569e-02, -1.8279e-01, -1.6167e-01, 5.8594e-02,
4.6348e-02, -7.4675e-02, -1.5649e-01, -2.8137e-02, -1.0181e-01,
3.1431e-02, 8.2078e-01, 2.3404e-02, 1.0591e-02, 8.7180e-03,
1.1882e-01, -3.6567e-02, -6.8719e-04, 9.1910e-03, -2.2488e-02,
-1.8625e-02, 3.0506e-02, -1.6484e-01], device='cuda:0')

Out[25]: Parameter containing:

```
tensor([0.5567, 0.5385, 0.5904, 0.5283, 0.4240, 0.5813, 0.5237, 0.5475, 0.4723,
        0.5348, 0.5259, 0.5059, 0.4360, 0.5329, 0.6666, 0.5183, 0.5703, 0.5495,
        0.5603, 0.5176, 0.5620, 0.4726, 0.5941, 0.5018, 0.5398, 0.5704, 0.5351,
        0.5687, 0.6032, 0.4797, 0.4999, 0.5857, 0.6228, 0.5010, 0.5507, 0.6116,
        0.5690, 0.4689, 0.4956, 0.5532, 0.5281, 0.5437, 0.5502, 0.6099, 0.5093,
        0.5232, 0.5223, 0.5858, 0.5186, 0.5559, 0.5497, 0.8642, 0.5267, 0.5170,
        0.5156, 0.5352, 0.5527, 0.5667, 0.5405, 0.5946, 0.5760, 0.5444, 0.4751,
        0.5065, 0.6074, 0.5101, 0.5969, 0.4961, 0.5142, 0.4675, 0.5013, 0.5239,
        0.5795, 0.5175, 0.6054, 0.4827, 0.5435, 0.5425, 0.4446, 0.5647, 0.6153,
        0.5108, 0.4993, 0.4969, 0.5144, 0.6335, 0.5375, 0.4088, 0.5781, 0.4870,
        0.5994, 0.5017, 0.5104, 0.5708, 0.5164, 0.7255, 0.4665, 0.5780, 0.5428,
        0.5606, 0.4826, 0.5600, 0.5162, 0.5726, 0.5095, 0.7353, 0.5719, 0.5136,
        0.5331, 0.5426, 0.5872, 0.5497, 0.5572, 0.5771, 0.5060, 0.5363, 0.5924,
        0.5393, 0.5327, 0.5258, 0.5193, 0.5700, 0.5023, 0.5998, 0.5675, 0.5566,
        0.5373, 0.5157, 0.5453, 0.5332, 0.5442, 0.5539, 0.5623, 0.5480, 0.5449,
        0.5758, 0.5457, 0.5439, 0.5291, 0.5302, 0.5525, 0.5784, 0.5395, 0.5626,
        0.5240, 0.5102, 0.5280, 0.5174, 0.5424, 0.5287, 0.5659, 0.4874, 0.5127,
        0.4945, 0.5061, 0.5325, 0.5962, 0.6055, 0.5464, 0.5754, 0.4827, 0.5253,
        0.5670, 0.5460, 0.5174, 0.5615, 0.5660, 0.5145, 0.5215, 0.5043, 0.4409,
        0.5505, 0.5426, 0.5597, 0.5370, 0.5712, 0.6009, 0.5648, 0.3917, 0.6181,
        0.5984, 0.5768, 0.5792, 0.5442, 0.4485, 0.5596, 0.5020, 0.5452, 0.4171,
        0.5813, 0.5264, 0.4896, 0.6019, 0.5996, 0.4895, 0.4666, 0.4445, 0.5354,
        0.4338, 0.4997, 0.4543, 0.5258, 0.5889, 0.5507, 0.4805, 0.5831, 0.5107,
        0.5646, 0.5317, 0.3929, 0.6103, 0.5600, 0.5414, 0.5448, 0.5242, 0.5156,
        0.5562, 0.4995, 0.5253, 0.5909, 0.5052, 0.5659, 0.5586, 0.5098, 0.5347,
        0.5003, 0.5711, 0.5177, 0.5096, 0.6965, 0.5757, 0.5197, 0.5827, 0.4750,
        0.5355, 0.5891, 0.5607, 0.5319, 0.5372, 0.5419, 0.5715, 0.4905, 0.5155,
        0.4540, 0.5249, 0.5036, 0.5187, 0.5827, 0.5765, 0.5396, 0.5741, 0.5559,
        0.5011, 0.4093, 0.5405, 0.5575, 0.5426, 0.5319, 0.5514, 0.5663, 0.5969,
        0.5532, 0.5784, 0.4494, 0.5720, 0.4338, 0.5610, 0.6035, 0.5496, 0.5601,
        0.5667, 0.5252, 0.5918, 0.5493, 0.5582, 0.5394, 0.6320, 0.5868, 0.5462,
        0.5077, 0.5883, 0.5844, 0.5959, 0.5260, 0.5093, 0.5384, 0.5220, 0.5483,
        0.5215, 0.5928, 0.5983, 0.5877, 0.4134, 0.5450, 0.9186, 0.5721, 0.5268,
        0.5323, 0.5640, 0.5859, 0.5528, 0.5150, 0.5698, 0.5940, 0.4857, 0.5977,
        0.5301, 0.5000, 0.5943, 0.5397, 0.5607, 0.5143, 0.6133, 0.4387, 0.5458,
        0.4397, 0.5522, 0.6034, 0.5699, 0.5446, 0.5744, 0.5095, 0.5904, 0.5961,
        0.5776, 0.5625, 0.5549, 0.5655, 0.5889, 0.5541, 0.5406, 0.5046, 0.5310,
        0.5669, 0.4700, 0.5728, 0.5808, 0.6168, 0.5762, 0.3897, 0.5524, 0.5722,
        0.6157, 0.5872, 0.5337, 0.4798, 0.5419, 0.5832, 0.5459, 0.5809, 0.5659,
        0.5374, 0.4833, 0.5289, 0.5062, 0.5187, 0.4829, 0.5418, 0.5317, 0.5465,
        0.5682, 0.5463, 0.5224, 0.5474, 0.4129, 0.5741, 0.5196, 0.5579, 0.3873,
        0.5306, 0.5253, 0.5299, 0.5510, 0.5459, 0.5250, 0.5536, 0.5389, 0.5613,
        0.6101, 0.5351, 0.5297, 0.6096, 0.5450, 0.6499, 0.5469, 0.4434, 0.5308,
        0.5496, 0.3644, 0.4976, 0.5222, 0.5213, 0.5085, 0.6323, 0.6466, 0.4338,
        0.5065, 0.5336, 0.5016, 0.5036, 0.5235, 0.5190, 0.5534, 0.5571, 0.5613,
        0.5974, 0.5205, 0.5708, 0.5345, 0.6049, 0.5575, 0.5980, 0.4663, 0.5426,
        0.5551, 0.5128, 0.5942, 0.5927, 0.4503, 0.5822, 0.5302, 0.5360, 0.6268,
        0.4900, 0.5081, 0.5407, 0.5582, 0.5394, 0.5114, 0.5219, 0.5446, 0.5672,
        0.5880, 0.5565, 0.6422, 0.5563, 0.5635, 0.5368, 0.5163, 0.5945, 0.5319,
        0.5203, 0.5309, 0.6034, 0.5761, 0.4754, 0.5701, 0.5666, 0.5260, 0.5474,
        0.6251, 0.6357, 0.6163, 0.5904, 0.5266, 0.5381, 0.5493, 0.5523, 0.5438,
        0.5251, 0.5620, 0.5496, 0.6032, 0.5039, 0.5535, 0.5718, 0.5704, 0.5563,
        0.5862, 0.4761, 0.5560, 0.5919, 0.5217, 0.5078, 0.5285, 0.6026, 0.5759,
        0.5318, 0.4470, 0.5420, 0.5696, 0.5418, 0.4825, 0.6032, 0.5168, 0.5427,
        0.5126, 0.5135, 0.5794, 0.5834, 0.5273, 0.5511, 0.6022, 0.6153, 0.5952,
        0.6187, 0.5787, 0.5309, 0.5448, 0.5189, 0.5665, 0.5596, 0.5434, 0.5858,
        0.5589, 0.5700, 0.5291, 0.4203, 0.5119, 0.5500, 0.5970, 0.5735, 0.5440,
        0.4559, 0.5573, 0.5425, 0.5905, 0.5580, 0.5359, 0.5114, 0.5468, 0.4806,
        0.5802, 0.5181, 0.5834, 0.5477, 0.4512, 0.4025, 0.5126, 0.5818, 0.6008,
```

0.4837, 0.5522, 0.5716, 0.5873, 0.5651, 0.5106, 0.5080, 0.4730, 0.5225,
0.5410, 0.5111, 0.5303, 0.5923, 0.5483, 0.5291, 0.5003, 0.5496, 0.5665,
0.5696, 0.5673, 0.5926, 0.5780, 0.5363, 0.5648, 0.5507, 0.5690, 0.5767,
0.5680, 0.5554, 0.5306, 0.5225, 0.5972, 0.5111, 0.6213, 0.5396, 0.5152,
0.5741, 0.5047, 0.5112, 0.4670, 0.4163, 0.5357, 0.4092, 0.5533, 0.5130,
0.5281, 0.5593, 0.5217, 0.6178, 0.5775, 0.5769, 0.5160, 0.5591, 0.5419,
0.5749, 0.6084, 0.5852, 0.5080, 0.4428, 0.5177, 0.5579, 0.5747, 0.5161,
0.5567, 0.5717, 0.5357, 0.5007, 0.5168, 0.5504, 0.5181, 0.5705, 0.5693,
0.5690, 0.5521, 0.5519, 0.5491, 0.5194, 0.5818, 0.5612, 0.4906, 0.5643,
0.5165, 0.5586, 0.5256, 0.5891, 0.4527, 0.5650, 0.5612, 0.5430, 0.5579,
0.5951, 0.5276, 0.5788, 0.5108, 0.5773, 0.7677, 0.5512, 0.5580, 0.6096,
0.5659, 0.5203, 0.5628, 0.5086, 0.4464, 0.5376, 0.5475, 0.4913, 0.5402,
0.5034, 0.5510, 0.5567, 0.5769, 0.5161, 0.5333, 0.5462, 0.5448, 0.4462,
0.5325, 0.6212, 0.4850, 0.5732, 0.4484, 0.5394, 0.6063, 0.5204, 0.5519,
0.5956, 0.5290, 0.5396, 0.4852, 0.5260, 0.5565, 0.6257, 0.5403, 0.5338,
0.5075, 0.5647, 0.5964, 0.5827, 0.5972, 0.5656, 0.6082, 0.5729, 0.5483,
0.5492, 0.5835, 0.5225, 0.5194, 0.5706, 0.5098, 0.5461, 0.5897, 0.5959,
0.6326, 0.5625, 0.5984, 0.4249, 0.4022, 0.4406, 0.5233, 0.5463, 0.5465,
0.4805, 0.5617, 0.6145, 0.5533, 0.5579, 0.5454, 0.5468, 0.5877, 0.5981,
0.4736, 0.5153, 0.6010, 0.5765, 0.5023, 0.5379, 0.5356, 0.5661, 0.5921,
0.5265, 0.5264, 0.5773, 0.5174, 0.5106, 0.4998, 0.5556, 0.4524, 0.6247,
0.6078, 0.5654, 0.5786, 0.5477, 0.5482, 0.4769, 0.6145, 0.5058, 0.5448,
0.5238, 0.5535, 0.4986, 0.5076, 0.4979, 0.4666, 0.5636, 0.5465, 0.5349,
0.5704, 0.5661, 0.5374, 0.4703, 0.5369, 0.5636, 0.5566, 0.5619, 0.5513,
0.5946, 0.5395, 0.3211, 0.5504, 0.5824, 0.5492, 0.5181, 0.5040, 0.5565,
1.5745, 0.5195, 0.5715, 0.5859, 0.5638, 0.5690, 0.5624, 0.5360, 0.5774,
0.4420, 0.5258, 0.5290], device='cuda:0')

Out[25]: Parameter containing:

```
tensor([ 1.3258e-01,  1.0291e-01, -2.4281e-01, -1.0116e-01,  2.6911e-01,
        -2.6616e-01,  9.5120e-02, -1.1224e-01,  3.0460e-02, -1.7719e-01,
         1.4279e-01, -2.8553e-01, -3.4263e-02, -1.0170e-01,  1.6975e-01,
        -4.5759e-02,  1.7299e-01, -1.4827e-01,  1.5255e-01, -7.6382e-02,
         2.7492e-02,  9.9184e-02, -9.8998e-02, -1.0160e-01, -1.5137e-01,
        -4.7711e-02, -3.3238e-02, -1.3122e-01, -1.0774e-01,  1.5212e-01,
         1.2222e-01, -2.1640e-01, -2.7587e-02,  1.2375e-02,  8.9578e-02,
         1.3801e-01, -6.1771e-02, -3.8837e-02,  1.3173e-01,  3.0497e-01,
        -1.5067e-01, -4.2257e-02, -4.7076e-02,  2.1309e-02,  3.9823e-02,
        -2.2299e-02,  7.5591e-02,  1.2274e-01,  1.4882e-02, -8.5168e-02,
        -5.3616e-02,  7.1777e-01, -7.8662e-02, -1.0522e-02, -1.1296e-01,
        -1.5638e-02,  1.4951e-03, -8.3247e-03,  1.6168e-01, -3.5860e-02,
         5.5670e-02,  1.0092e-01, -2.3971e-02,  2.2091e-02,  8.5028e-02,
        -9.2455e-02, -1.2937e-01,  1.9848e-01,  3.8780e-02,  6.2094e-02,
        -1.3022e-01, -6.2823e-02, -1.5071e-01, -2.4648e-02,  8.3329e-02,
        -3.4346e-02, -5.6951e-02, -4.7486e-02,  3.0730e-01, -7.7144e-02,
         1.8866e-01,  2.4124e-03,  1.2993e-01, -1.7819e-02,  4.1832e-02,
        -9.4653e-02,  5.6743e-02,  1.6527e-01, -7.9425e-02,  1.7907e-02,
        -9.6449e-02, -1.1769e-01,  8.5797e-02, -5.4198e-02, -7.8187e-02,
         1.5391e-01, -1.3713e-01, -7.2212e-02,  7.3109e-02, -2.0214e-01,
         2.0399e-01,  9.7228e-02, -1.2321e-01, -2.8994e-02,  3.0684e-01,
         2.6152e-01,  7.9993e-02, -6.6358e-02,  1.5227e-01, -8.8433e-02,
        -1.7889e-01, -4.0944e-02, -7.2023e-02, -1.1206e-02, -1.0724e-01,
        -9.2937e-02, -2.5300e-02, -2.2048e-01, -1.2537e-02,  2.0739e-02,
        -8.8136e-02,  6.0977e-03, -3.0320e-01, -5.9949e-03, -2.0791e-01,
         1.7997e-02, -1.9159e-02, -4.5161e-02, -2.0821e-02, -1.9457e-01,
         3.9963e-02, -1.6542e-01, -2.0537e-01,  3.7484e-02,  5.7164e-02,
        -3.9310e-02, -7.2272e-02, -4.4343e-02,  2.0364e-02,  1.4676e-01,
        -7.2996e-02, -1.3447e-01,  3.8011e-02, -3.5467e-02,  6.8324e-02,
        -4.3458e-02,  6.3340e-02,  1.9227e-01,  3.9483e-02,  7.7728e-02,
         3.3353e-02, -8.9132e-02,  1.4851e-01, -1.0585e-01,  3.9489e-02,
         2.0706e-02,  9.8458e-02, -6.8299e-03,  3.0611e-02, -1.3798e-01,
        -5.4814e-02, -9.4244e-02, -1.4144e-01,  5.7990e-02, -1.6084e-01,
        -1.9275e-02,  7.0245e-03, -1.3687e-01, -3.0714e-02, -5.4989e-02,
        -1.0766e-01,  9.8070e-02,  1.1047e-02, -1.5789e-01,  1.2652e-02,
        -1.1171e-01, -2.2852e-03, -6.0769e-02, -2.3351e-01, -9.6678e-02,
        -1.2233e-01,  1.2888e-02,  2.8651e-02,  1.8093e-02, -2.5449e-02,
         3.5440e-02, -1.3061e-01,  2.0907e-02, -2.2518e-01,  2.0869e-01,
        -1.0852e-01, -2.5581e-02, -3.8795e-01, -1.5420e-01, -1.0108e-01,
         5.8970e-02, -1.2109e-01, -1.0779e-01, -8.8683e-02, -1.1733e-01,
        -1.3194e-02, -6.5366e-02,  1.5734e-01, -1.3804e-01, -5.3114e-02,
         2.6318e-01,  7.4925e-02, -6.4815e-02,  3.0261e-03, -2.0858e-01,
        -6.7717e-02, -1.0971e-01, -1.1256e-01, -2.8417e-01, -1.4438e-01,
        -2.3092e-01, -2.4310e-01, -2.2548e-02,  8.9300e-02, -1.2684e-01,
         4.3551e-03,  1.1077e-02,  5.7018e-03, -1.0072e-01, -4.3716e-02,
         7.9933e-02,  4.2959e-02, -2.0984e-02,  5.7277e-02,  2.1693e-01,
         1.4232e-01, -2.3844e-01, -1.5085e-01, -2.3554e-01, -7.3759e-02,
        -7.4912e-02,  6.2154e-02, -4.5987e-02,  3.1513e-02, -4.0884e-02,
         1.6950e-02, -1.2303e-01,  7.2878e-02, -7.3028e-02, -1.4288e-01,
        -3.0315e-04, -5.2325e-02, -1.3940e-01,  3.0152e-02, -6.4941e-02,
         1.0045e-01,  8.5982e-02,  1.8784e-01,  4.0713e-02, -1.6808e-01,
        -3.3109e-02,  6.7205e-03, -1.2529e-01, -9.1660e-03, -8.0434e-02,
         3.0848e-01, -8.4808e-02, -2.1491e-01, -9.6536e-02,  1.1208e-01,
        -1.4743e-02,  8.3574e-02, -2.2349e-01,  6.3847e-02,  2.3975e-02,
        -5.6418e-02,  4.3876e-02, -1.8576e-02, -2.3373e-01,  1.3976e-01,
        -7.0624e-02, -9.2290e-02, -1.0753e-01,  6.8315e-02, -2.6681e-01,
        -5.0135e-02, -1.1083e-01,  3.8334e-02, -3.8971e-02, -7.9186e-02,
         7.2128e-02,  5.9258e-02, -1.5604e-02, -2.5360e-01, -1.2239e-01,
        -1.6642e-01, -5.2276e-03, -6.9209e-02,  7.2760e-02,  1.1340e+00,
```

-6.3063e-02, -1.3777e-02, -1.0560e-01, 7.8647e-02, -1.0735e-01,
1.9343e-02, 2.5751e-02, -1.7889e-01, -2.2244e-02, 3.7939e-02,
-1.4448e-02, 3.2078e-02, 4.4908e-02, -2.5253e-02, 1.6163e-01,
-3.1655e-02, -2.4228e-01, -8.1091e-02, -9.6535e-03, -3.7762e-02,
2.1077e-01, 1.4005e-01, -2.6011e-02, 1.4616e-01, -2.1623e-01,
-4.3050e-02, -1.2989e-01, -1.0046e-01, -5.4524e-02, 7.9700e-02,
-9.0669e-02, 8.9480e-02, 9.4720e-02, -5.4562e-02, -1.1559e-02,
2.9615e-02, 1.3299e-02, -7.0362e-02, -4.6989e-01, -8.3212e-02,
2.1638e-02, -7.9395e-02, -2.5819e-01, 7.1967e-02, -2.3641e-01,
-2.8473e-02, 1.0009e-01, -1.6189e-02, -2.7547e-01, 1.5193e-01,
-9.3653e-02, 1.4450e-01, -1.4052e-01, -7.5497e-02, -1.4447e-01,
1.0713e-01, -1.0684e-01, 1.1426e-01, -1.1836e-03, -3.7189e-02,
-2.2962e-01, -5.9104e-02, 6.9255e-02, 5.9828e-02, -2.5546e-01,
-1.2280e-01, 2.7001e-02, 3.5558e-02, 1.6311e-01, -2.2276e-01,
-1.2122e-01, 3.5869e-02, -7.8702e-02, 1.2694e-01, -2.3141e-01,
1.0218e-02, 3.9677e-03, -3.1183e-02, -1.5402e-01, -5.3965e-02,
-9.0405e-03, -2.1992e-01, -1.4319e-01, -1.0527e-01, -1.8534e-01,
-1.2914e-01, -9.9597e-02, 8.5245e-02, -2.1442e-01, 2.1910e-01,
2.1758e-01, -1.5885e-01, -1.2532e-02, -1.8487e-01, 2.2059e-02,
6.7572e-05, -1.3182e-02, 1.7398e-01, -2.5424e-02, 1.0805e-01,
1.1935e-02, 1.0040e-02, -1.1233e-01, -3.8212e-02, 1.2383e-01,
-1.6009e-02, -1.8920e-01, 1.7638e-01, 1.6992e-01, 1.8272e-01,
-1.1212e-01, 1.2143e-01, -4.2556e-02, -8.8866e-02, -2.3122e-02,
-1.6833e-01, -1.1295e-01, 8.1891e-03, 8.4252e-02, -1.3057e-01,
-1.5249e-01, -3.2595e-02, 1.6764e-01, -6.7197e-02, -6.1296e-02,
-2.9105e-02, 5.0193e-02, -1.1613e-01, -1.0378e-01, -3.7244e-02,
-1.1456e-02, 4.5037e-02, 5.8533e-02, -3.5049e-02, -8.6348e-02,
-7.1728e-02, 2.4001e-01, -5.9808e-02, 2.1784e-02, -1.7776e-01,
1.4162e-01, 1.6455e-01, 4.8690e-05, 4.1092e-02, 1.1943e-02,
3.6846e-02, -5.3368e-02, -7.6436e-02, -1.5130e-01, 1.7935e-01,
-2.2922e-02, -2.8731e-02, -4.1349e-01, -5.8171e-02, -1.6767e-01,
-7.9080e-02, -1.5082e-01, -1.4065e-01, -3.7674e-02, -6.3211e-03,
2.2355e-02, -2.0005e-02, -8.1383e-02, 1.1004e-01, -2.5327e-01,
-1.1008e-03, 3.0091e-02, -4.4603e-02, -1.0022e-01, 4.3787e-02,
-1.4087e-01, 6.8070e-02, 5.0588e-02, 2.5631e-03, -1.7577e-01,
-7.0479e-02, 9.6455e-02, -1.9177e-01, -7.0883e-02, -1.5265e-01,
-1.4403e-01, -9.5528e-02, 7.3267e-02, -4.4359e-02, -1.8881e-01,
4.0257e-02, 9.3314e-02, -1.0587e-01, -7.0287e-02, -1.4842e-01,
8.1208e-02, -9.1161e-02, -1.7441e-01, 7.5067e-02, -4.9098e-02,
-1.4570e-02, 1.1832e-02, -1.6812e-01, -2.1631e-02, -3.1950e-01,
-1.7004e-01, -1.2046e-01, -7.3821e-02, 3.9287e-02, -1.0189e-01,
-2.2610e-01, -1.0410e-01, 6.3472e-02, -3.7312e-01, 8.1507e-02,
-8.8421e-02, 1.2131e-01, -4.8223e-02, 9.9260e-02, -2.3312e-02,
-6.4151e-02, 3.1125e-02, -1.2014e-01, 1.1303e-01, -3.4945e-02,
-1.0160e-02, 2.1579e-02, -1.8331e-01, 1.1992e-01, -1.2247e-02,
-1.4356e-01, 7.0028e-02, 1.9427e-02, 2.1826e-02, 7.2990e-02,
3.3804e-02, 8.6429e-02, 2.0961e-02, -1.2536e-01, 6.6095e-02,
-5.5763e-02, -1.0381e-01, 2.3255e-02, 9.3778e-02, -7.2319e-02,
-4.1611e-02, -1.4917e-01, 2.9072e-01, 3.9203e-02, 2.2548e-01,
-4.4899e-02, -4.3546e-02, 1.7784e-01, 8.4641e-02, -3.9879e-02,
-1.7313e-01, -1.9835e-02, 2.8930e-03, -9.4620e-03, 1.0995e-01,
-2.0580e-02, -2.8853e-01, -2.0211e-01, -3.4102e-02, 4.1092e-02,
3.4019e-02, -2.5610e-01, -8.7965e-02, 1.0426e-01, -7.3605e-02,
-1.8089e-01, 1.0278e-01, -4.3384e-02, -1.4189e-01, -1.7004e-01,
5.2672e-02, 2.6421e-02, 9.1815e-02, -1.2561e-01, -1.7101e-01,
1.5881e-01, 1.2137e-01, 1.8125e-02, -3.7229e-02, -1.0113e-01,
-7.6667e-02, -1.6506e-01, 1.0511e-01, -8.9890e-03, -7.4076e-03,
-8.8468e-03, 1.5818e-03, 3.7889e-02, -1.0506e-01, -1.0698e-01,
-2.4950e-01, 2.7497e-01, -6.2331e-02, -1.2942e-02, -5.5215e-02,
2.3631e-02, 1.4036e-01, -1.7350e-02, -7.5723e-03, -1.4701e-01,

```
5.4479e-03, 1.2312e-01, 6.3121e-02, -1.0680e-01, 1.3709e-02,
3.6721e-02, -7.3222e-02, -6.7035e-02, 8.7610e-02, -5.2318e-02,
3.9107e-02, 9.0533e-02, 1.4428e-02, -1.8178e-01, -1.8636e-01,
-2.5912e-01, -1.0036e-01, -5.6048e-02, 2.8728e-02, 1.6351e-01,
7.0474e-02, 5.5296e-02, 1.0971e-01, -3.5738e-02, -6.0981e-02,
-9.9062e-03, -8.7932e-02, -2.2010e-01, -2.6987e-02, -1.8397e-02,
2.6601e-01, 1.5348e-01, -1.3528e-01, 2.6585e-01, -2.1558e-01,
-5.0740e-03, -1.0390e-01, -1.3817e-01, -8.6082e-02, 1.1413e-01,
-3.1582e-02, -1.0953e-01, 7.8824e-02, -2.0005e-01, 4.1888e-03,
9.9075e-02, -1.6244e-02, -2.1215e-01, 2.9835e-02, -2.2021e-02,
-2.7684e-02, -6.7619e-02, 9.0008e-03, 8.0460e-02, 2.3421e-01,
6.7078e-02, 6.4170e-02, 1.5502e-01, -2.3487e-01, 4.1903e-02,
-7.4346e-02, -9.0289e-02, 1.3566e-01, -8.4159e-02, -1.2064e-01,
-1.3779e-01, -3.1313e-02, 5.3949e-03, -2.0503e-01, 4.1022e-02,
-2.0397e-01, 2.8636e-02, -2.3166e-02, 7.5660e-02, -1.2059e-02,
-1.8902e-02, -1.3486e-01, 2.2205e-01, -8.1641e-03, -7.8162e-02,
-7.7118e-02, -6.8038e-02, -2.1027e-02, 2.2611e-02, -1.9514e-01,
-1.1054e-01, -8.0846e-02, 1.7828e-01, 7.8665e-02, 2.9035e-01,
-8.5233e-02, -5.9890e-02, 1.8850e-02, 3.1835e-03, 3.8426e-02,
-9.3513e-03, -3.2871e-02, -1.9587e-01, -1.3018e-01, 5.1954e-02,
-1.5099e-01, -1.8852e-01, -6.8980e-02, -1.9417e-01, 6.5683e-02,
-1.3421e-01, -1.0732e-01, 7.0624e-04, -2.2321e-01, -4.2630e-02,
4.8667e-02, -1.0848e-01, -6.5211e-02, -1.8105e-01, -1.3508e-01,
1.2834e-01, -4.0575e-02, -2.2882e-01, 3.5331e-02, -3.5334e-02,
-7.6466e-02, 6.1882e-02, -1.5356e-01, -7.8046e-02, -3.8210e-01,
1.3841e-01, 1.3392e-01, 1.1977e-01, 1.8114e-02, 1.0992e-01,
6.3150e-02, 8.8996e-02, 4.6942e-02, 2.5875e-02, -7.6241e-02,
-7.5945e-02, -1.5529e-01, 4.1442e-02, -1.6733e-01, -4.5510e-02,
2.0818e-01, -2.8171e-02, 1.2531e-01, -8.0664e-02, 2.7337e-01,
-8.9853e-02, 1.5727e-01, 1.5642e-01, 1.3980e-02, -2.6074e-01,
-1.4315e-02, 6.7860e-02, 2.5131e-01, 5.7137e-02, -1.5501e-01,
-3.0316e-02, 4.1841e-02, 1.8873e-01, -1.2275e-01, 2.6487e-02,
-3.3081e-02, -3.5386e+00, 9.8178e-02, -6.6390e-02, -6.7635e-02,
-1.3004e-01, 1.2013e-01, -3.3615e-01, -1.4521e-01, 4.2196e-02,
-2.1043e-02, 1.8154e-02, 1.0486e-02], device='cuda:0')
```

Out[25]: Parameter containing:

```
tensor([[ -0.0191, -0.0248,  0.0210, ..., -0.0635, -0.0426, -0.0209],
        [ -0.0563,  0.0260,  0.0280, ..., -0.0359, -0.0556,  0.0334],
        [  0.0015, -0.0099, -0.0278, ...,  0.0031,  0.0020,  0.0182],
        ...,
        [ -0.0336, -0.0288, -0.0093, ..., -0.0840, -0.0273, -0.0189],
        [ -0.0236, -0.0463,  0.0808, ...,  0.0212,  0.0136, -0.0015],
        [  0.0075, -0.0425,  0.0781, ..., -0.0220, -0.0015,  0.0021]],
        device='cuda:0')
```

Out[25]: Parameter containing:

```
tensor([ -0.1835, -0.0285,  0.0374, ..., -0.0667, -0.1028, -0.0518],
        device='cuda:0')
```

Out[25]: Parameter containing:

```
tensor([[ 0.0007, -0.0095, -0.0073, ...,  0.0531,  0.0196, -0.0722],
        [ 0.0276, -0.0451, -0.0044, ..., -0.0427, -0.0701, -0.0527],
        [ 0.0193,  0.0069,  0.0030, ...,  0.0570, -0.0869,  0.0118],
        ...,
        [ 0.0541,  0.0593, -0.0706, ..., -0.0550,  0.0480,  0.0532],
        [ 0.0060, -0.0122, -0.0412, ...,  0.0054, -0.0784,  0.0653],
        [-0.0451, -0.0309,  0.0035, ...,  0.0092, -0.0679, -0.0263]],
        device='cuda:0')
```

Out[25]: Parameter containing:

```
tensor([ 1.4742e-01,  3.7070e-02, -8.3843e-02, -3.8460e-02,  2.2711e-01,
        -4.6613e-02,  2.1936e-01, -1.4568e-01,  8.7267e-02, -4.2829e-02,
        -6.1668e-02, -3.2675e-02, -4.6184e-02, -2.6378e-02,  1.7590e-01,
         1.1094e-01,  7.7238e-02,  9.7503e-02, -4.1665e-02,  1.6225e-02,
         1.0153e-01, -2.1587e-02,  6.6009e-02,  7.8879e-02, -3.6588e-02,
        -3.9379e-02, -5.9415e-02, -1.5821e-02,  3.6293e-02,  1.7978e-02,
         4.1060e-02, -1.4576e-01, -3.8034e-03,  2.6349e-01,  4.5692e-02,
        -1.2527e-02, -1.3208e-01,  3.6793e-02,  1.5807e-01,  3.3370e-02,
        -2.4569e-01, -9.5867e-02, -4.5103e-02, -6.3565e-02,  2.1211e-02,
        -1.0525e-01, -3.9000e-02, -8.4453e-02,  1.8979e-01,  1.6372e-02,
         9.7994e-02, -5.7477e-02, -1.7605e-01,  1.9268e-01, -1.6691e-01,
        -4.1677e-02, -1.3665e-01, -2.7606e-02, -1.0597e-01,  6.7187e-02,
        -1.6838e-02,  1.1763e-01,  8.3246e-02,  4.0125e-02, -4.1269e-02,
         5.9184e-02,  1.1536e-02,  1.4739e-01, -4.4236e-02,  4.4177e-02,
        -1.0421e-01,  1.7785e-01, -7.0296e-02, -1.3710e-01,  2.1472e-01,
         2.9442e-02, -1.6418e-01,  6.4285e-02,  2.2993e-01,  7.4000e-02,
        -2.6683e-02, -1.6729e-02,  4.7200e-02,  1.2284e-01,  2.1599e-01,
         1.9733e-02,  4.8188e-02,  1.7825e-02,  7.3871e-02, -6.5576e-02,
         1.7034e-02, -1.8212e-02,  1.8770e-02, -3.9686e-02,  1.5419e-01,
         3.6614e-02,  1.8252e-04,  2.8580e-02,  4.1799e-02,  2.5708e-02,
        -3.3214e-02,  1.4400e-01,  4.4634e-02, -1.7984e-02,  3.3123e-01,
         9.1414e-02, -4.3793e-03,  2.8329e-02,  1.3157e-02,  1.7107e-01,
        -1.1813e-01, -1.0014e-02, -4.9955e-02, -2.0646e-03, -9.0714e-02,
         1.6577e-01, -1.1739e-01, -7.0046e-02,  6.4169e-02,  1.3637e-01,
        -1.2361e-01,  3.4241e-02, -2.6567e-01,  1.8483e-01, -1.7025e-01,
         9.3093e-02, -4.4731e-02, -1.0242e-01,  4.7648e-02,  8.2396e-02,
         1.6292e-01, -8.8506e-02, -2.2511e-01,  7.3496e-02,  2.3624e-01,
        -8.1027e-02,  9.0664e-02, -8.3000e-02,  1.7681e-01, -5.4215e-02,
        -5.4544e-02, -5.8135e-02, -8.8457e-02, -1.7532e-01, -5.9635e-02,
         1.7249e-02,  9.6037e-02,  8.1954e-02,  7.8274e-02,  2.1083e-02,
        -7.9633e-03,  1.3881e-01,  1.8887e-01, -5.4276e-02,  1.4720e-01,
        -1.8011e-01,  3.2911e-03, -3.8266e-02, -1.8537e-01, -1.6689e-02,
         1.3816e-01, -9.9126e-02, -2.3931e-02, -1.8245e-01, -7.3306e-03,
        -1.2279e-02,  1.1230e-02, -5.2358e-02,  1.4037e-01,  1.5081e-01,
        -6.5281e-02, -7.3989e-02, -3.6595e-02,  9.5700e-02, -2.7600e-02,
        -7.6365e-02,  2.7453e-02,  7.3026e-02, -2.4521e-02,  6.7127e-02,
        -8.7794e-02, -4.1138e-02,  6.8992e-02,  2.8778e-02,  4.8359e-02,
         2.0010e-02, -1.3671e-01, -1.3715e-01, -1.4701e-01,  3.3187e-02,
         1.8536e-01,  1.3663e-01, -7.9310e-02,  9.4891e-02,  1.3171e-02,
        -3.1445e-02,  2.0686e-01, -9.3796e-02, -2.3643e-01, -8.6811e-02,
        -1.1185e-01, -7.3076e-02,  1.3466e-01, -8.5363e-03, -8.9966e-02,
         9.4186e-02,  3.7858e-02,  6.6983e-03,  7.0991e-02,  3.6066e-02,
        -1.2489e-02, -3.6360e-02, -1.4380e-02, -7.0683e-02, -8.2312e-02,
        -1.6314e-01,  1.8922e-02, -1.1214e-01, -4.7082e-02,  9.6260e-03,
        -7.0042e-02, -3.1501e-02, -4.4914e-02, -8.8045e-02, -9.1433e-02,
         8.7182e-04,  4.1754e-02,  1.2324e-01, -9.5914e-02,  8.2493e-02,
         1.0614e-01,  5.1547e-03, -2.5288e-02, -1.4922e-01,  9.0870e-02,
        -8.6869e-02,  4.7972e-02, -3.5871e-02,  2.0212e-01, -4.7886e-02,
         6.9813e-02, -1.2096e-01,  1.0999e-01, -2.0080e-01,  2.8613e-02,
         2.2057e-01,  1.7171e-02,  5.5219e-02,  6.2087e-02, -7.6944e-02,
         5.1548e-02,  7.6871e-02,  1.5120e-01, -3.7255e-02, -2.1472e-01,
         1.6572e-01, -1.4195e-01, -8.1062e-02,  1.3167e-01, -1.6608e-01,
        -9.1415e-02,  1.3077e-01, -1.9707e-01,  9.1545e-02, -6.7581e-02,
        -7.1271e-02,  6.1503e-02, -1.1758e-01, -1.7305e-02, -1.2583e-02,
         5.9680e-02,  5.6185e-02, -6.8152e-02, -1.8781e-01,  4.2963e-03,
         6.4046e-02, -4.2287e-02, -8.4547e-02, -1.0688e-01,  5.6794e-02,
        -7.3751e-02,  3.3214e-02,  1.1932e-01,  8.7351e-02,  2.6411e-01,
        -7.6780e-02, -1.1176e-01,  5.7239e-03, -1.4203e-01, -3.2756e-02,
        -1.0425e-01, -1.2900e-01, -7.2775e-02, -5.9181e-02,  3.0053e-01,
```


-3.2599e-02, -3.2630e-01, 1.5154e-01, -6.0214e-02, 1.7238e-01,
-3.5213e-02, 1.8985e-01, -1.1104e-02, -4.4856e-02, 1.5325e-01,
6.4934e-02, -4.2492e-03, 5.0935e-02, 7.0388e-02, -1.8119e-02,
-1.1929e-01, -4.1919e-02, -6.1369e-02, -4.3774e-02, -2.2147e-02,
1.2441e-01, 1.3133e-02, 1.9092e-01, -7.8338e-02, -9.2668e-02,
1.4293e-01, 1.7185e-02, 5.7013e-02, 9.8413e-02, 1.2935e-01,
3.1314e-02, 1.2453e-01, -7.5948e-02, 1.5896e-02, 1.3953e-01,
6.1100e-02, -2.2230e-02, 1.8558e-02, 5.0401e-02, -8.0628e-03,
1.0222e-02, -3.7112e-03, 9.6193e-02, 6.6645e-02, -2.1775e-01,
-3.9505e-02, 1.8107e-01, -1.7324e-01, -7.8051e-02, -1.6061e-02,
-7.6087e-02, 3.3019e-02, -2.4290e-02, 2.4923e-02, -1.0999e-01,
5.1563e-02, 1.6481e-01, -3.5329e-02, -1.4518e-01, -4.3705e-02,
-9.8684e-02, 7.7280e-02, 6.2960e-02, 1.8633e-02, -1.9970e-01,
-3.7296e-02, -2.8811e-01, -1.7656e-03, -1.1399e-01, -2.6128e-02,
-5.9073e-02, -1.2812e-01, 9.4780e-02, -1.8134e-01, -1.9207e-01,
1.2840e-01, -7.1548e-02, 8.7052e-02, -8.1722e-02, 1.0483e-01,
4.4959e-02, -2.6025e-03, -2.0348e-02, 1.0166e-01, -9.7531e-02,
-5.9710e-02, -1.1135e-01, -4.5166e-02, -1.1759e-01, -1.5355e-01,
5.8270e-02, -2.7850e-02, 7.3980e-02, -2.9379e-01, -9.3027e-02,
-1.0091e-01, -5.3774e-02, 1.8434e-01, 6.5243e-02, 8.3694e-03,
-7.0454e-02, -1.2531e-02, 4.1575e-02, -4.9110e-02, -2.2104e-01,
4.0588e-02, -4.5926e-02, 8.7237e-02, -3.1749e-03, 6.2486e-04,
7.9405e-03, 1.3508e-01, 3.3318e-02, 1.3077e-01, -9.1464e-02,
3.0630e-02, 6.0547e-02, 1.9958e-01, -6.4158e-02, -3.2648e-02,
-9.0389e-02, 3.5688e-02, -4.6579e-02, 8.1212e-02, 4.6423e-02,
1.0600e-02, -1.7397e-02, -7.2917e-03, 6.4117e-03, -5.2410e-02,
2.0097e-04, -6.0671e-02, 8.3785e-02, 6.6221e-02, -3.6731e-02,
-5.6932e-04, 8.9394e-02, 4.6290e-02, 8.1268e-02, -1.4850e-01,
-2.3173e-02, 1.0493e-01, 2.5929e-01, 1.2321e-02, -3.7594e-02,
1.7202e-02, -1.2162e-01, 1.1978e-01, -2.9173e-02, 1.1362e-01,
-1.2140e-02, -1.1126e-01, -2.7305e-02, -4.6527e-02, -8.4636e-02,
1.2882e-01, 1.2662e-02, 9.3614e-02, 2.1165e-01, -6.4939e-02,
-6.4999e-02, -1.0207e-01, 1.7057e-02, -4.7284e-02, -2.0864e-01,
-5.8024e-02, 2.2196e-01, 4.9178e-02, 1.0599e-01, 1.1510e-02,
-4.9952e-02, 7.8936e-02, 1.1880e-01, 5.3765e-02, -8.0404e-02,
9.9969e-02, 6.0954e-02, -7.9190e-02, -7.4818e-02, -1.3745e-01,
5.8826e-02, -6.3695e-02, 3.5946e-02, 1.1572e-01, -9.9262e-03,
-4.6330e-02, 7.3310e-02, 5.3384e-02, 4.0476e-02, 1.6688e-02,
-4.2930e-02, 2.2152e-02, -9.7256e-02, 2.7186e-01, -2.1299e-03,
-2.4338e-02, 1.4809e-01, 1.2092e-01, -4.7542e-02, -1.1044e-02,
-5.0733e-02, -1.5192e-01, -1.2906e-01, 7.4213e-02, -1.0915e-01,
-9.5458e-02, -1.3657e-02, 6.6633e-02, -3.0449e-02, -5.4909e-02,
-2.8366e-02, 1.7095e-01, 1.8404e-01, -3.7466e-02, 5.4094e-02,
-9.0972e-02, 8.4519e-02, 2.0529e-02, 6.6563e-02, 1.1039e-01,
-1.2394e-02, 1.0748e-01, 1.1631e-01, 1.9060e-01, 5.3941e-02,
1.4360e-01, -6.8296e-02, -1.4641e-01, -1.0701e-01, 4.1835e-02,
1.3958e-01, 2.5005e-01, -1.7836e-01, -1.2309e-01, 5.0313e-02,
1.0434e-01, -8.2223e-02, 4.1815e-02, -6.8245e-02, 3.2921e-02,
5.4353e-02, -8.8367e-02, 5.8293e-03, 1.1591e-01, 2.8675e-02,
-1.1567e-01, -7.5293e-04, 1.6163e-01, 2.3693e-02, -8.0857e-02,
-4.4288e-02, 5.0034e-02, -2.6185e-02, -1.0620e-01, -1.9411e-01,
-6.5164e-03, -1.5667e-01, -1.1121e-01, -2.8373e-02, 2.5031e-02,
5.6617e-02, -1.4551e-01, 6.3255e-03, -7.5279e-02, -1.3374e-01,
-5.9733e-02, -6.0901e-02, -1.0172e-01, 8.0158e-02, -1.2578e-02,
-6.3662e-02, -3.6683e-02, 2.0107e-01, 5.2064e-02, -1.9263e-01,
6.6319e-02, 2.6481e-01, 5.5252e-03, 1.0728e-01, -3.8445e-02,
-4.9111e-03, -1.4496e-01, -9.0708e-02, -4.2051e-02, 1.2620e-02,
-2.9363e-02, 7.4038e-02, -3.0904e-01, -1.4588e-01, -1.1179e-01,
-1.9538e-02, -1.0608e-01, -8.4003e-02, 8.2158e-02, -2.1724e-01,
1.3753e-01, 4.9565e-02, 9.6347e-02, 1.4180e-02, 1.5589e-02,

5.8608e-02, -3.0485e-02, 4.7125e-03, 3.5290e-02, -7.3844e-02,
-1.7687e-01, -5.0057e-02, -2.3194e-02, -1.2454e-01, 1.2410e-01,
-2.9268e-02, 4.1142e-02, -4.6462e-03, -9.1929e-02, -9.5829e-02,
1.0830e-02, -1.6127e-01, 1.4159e-01, 1.7837e-02, -6.9046e-03,
2.1641e-01, 6.0009e-02, 1.3372e-02, 7.5390e-02, 3.9102e-02,
9.7645e-02, 4.1697e-02, -8.0234e-02, 7.0815e-02, -1.1226e-01,
9.3604e-02, -9.8809e-02, -1.5047e-01, 9.9354e-02, -1.7921e-01,
-1.0211e-02, -7.7079e-02, -1.3044e-01, -1.3457e-01, 1.9357e-01,
4.6518e-03, -6.9476e-02, -5.1692e-02, -6.7663e-02, -1.0908e-01,
-5.6892e-02, 8.4825e-02, 3.4855e-02, 1.0277e-01, -6.0358e-02,
8.4503e-02, 3.2591e-03, 1.0939e-01, 1.3847e-01, 1.4354e-01,
2.1572e-01, -1.9716e-02, 3.7590e-02, 1.7441e-02, -4.0748e-02,
-9.9959e-02, 3.4999e-02, -8.3914e-02, -4.2722e-02, -3.6934e-02,
-1.7681e-01, -2.2996e-02, 3.5900e-02, 3.6567e-03, 2.4370e-01,
-1.0878e-01, 1.3169e-01, 6.1603e-02, 4.7538e-02, 3.3878e-02,
1.4593e-01, -6.1482e-02, 4.8504e-02, 1.0490e-01, -1.1283e-01,
7.2752e-02, -1.1336e-01, -6.3339e-02, 5.4154e-02, -1.5548e-01,
2.4468e-02, 3.6184e-02, 6.3734e-02, 1.1217e-01, -6.0243e-02,
1.1302e-02, 5.5617e-02, 3.7498e-01, 2.4536e-02, -1.6837e-02,
-1.2400e-01, -4.3455e-02, -5.3296e-02, -1.9110e-01, 4.7941e-02,
-3.7543e-01, 2.0514e-02, 7.4793e-02, 6.1940e-02, 8.8962e-02,
-4.8476e-03, 1.4482e-01, 1.1913e-01, -1.3620e-01, 1.4721e-01,
4.8921e-02, 1.0098e-01, -9.6508e-03, 7.4400e-02, -5.3239e-02,
2.8332e-03, -1.1136e-01, -7.4086e-02, 1.6612e-02, 6.7475e-02,
-1.6690e-01, 5.7907e-02, -1.2344e-01, -4.5434e-02, -4.2726e-02,
6.3707e-02, 1.0252e-01, 1.5183e-01, -8.1687e-02, 7.4977e-02,
-7.3293e-02, 7.0915e-02, 8.8456e-02, 4.1562e-02, -1.2650e-01,
-3.9583e-02, -7.7091e-02, 1.6454e-01, -3.8317e-02, -5.7675e-02,
6.0621e-02, 1.0760e-01, -1.0047e-01, 1.4727e-01, 1.5075e-01,
-5.5545e-02, 6.8287e-02, -5.3460e-03, 2.6166e-02, -3.2041e-01,
8.6056e-02, 2.1700e-02, 6.4507e-02, 3.3890e-02, 1.4547e-02,
9.3661e-02, -1.4183e-01, 1.3040e-01, -1.5227e-01, 1.0561e-02,
-1.7463e-01, -5.0132e-01, 1.9306e-02, -4.5679e-02, -1.3686e-01,
-1.2724e-01, 2.0268e-01, -3.2110e-01, -3.0132e-01, -5.4694e-02,
-3.1157e-02, 9.4101e-03, -1.7494e-01], device='cuda:0')

Out[25]: Parameter containing:

```
tensor([0.7719, 0.7276, 0.7467, 0.7046, 0.6020, 0.7129, 0.6874, 0.7654, 0.6537,  
        0.7273, 0.7239, 0.7343, 0.6409, 0.7209, 0.8070, 0.6979, 0.7491, 0.7423,  
        0.7071, 0.7518, 0.7342, 0.6973, 0.7495, 0.6849, 0.6996, 0.7083, 0.7183,  
        0.7155, 0.7929, 0.7000, 0.6770, 0.7263, 0.7759, 0.7354, 0.7186, 0.7231,  
        0.7482, 0.7307, 0.6894, 0.7340, 0.7143, 0.7267, 0.8017, 0.7674, 0.6862,  
        0.7410, 0.7315, 0.7736, 0.7029, 0.6945, 0.7104, 0.7669, 0.7408, 0.7178,  
        0.7101, 0.7164, 0.7324, 0.6919, 0.7072, 0.7701, 0.7464, 0.7033, 0.6870,  
        0.7335, 0.7667, 0.7086, 0.7275, 0.6839, 0.7404, 0.6934, 0.6940, 0.7065,  
        0.7550, 0.7085, 0.7302, 0.7078, 0.7493, 0.7044, 0.6315, 0.7135, 0.7576,  
        0.7096, 0.7069, 0.6991, 0.7203, 0.7266, 0.7323, 0.6116, 0.7460, 0.7304,  
        0.7277, 0.7041, 0.6871, 0.7139, 0.6708, 0.6725, 0.6649, 0.7728, 0.7033,  
        0.7502, 0.6791, 0.7065, 0.7013, 0.7608, 0.6921, 0.7510, 0.7043, 0.7130,  
        0.6855, 0.7151, 0.7697, 0.6768, 0.7338, 0.7198, 0.6813, 0.7081, 0.7636,  
        0.7410, 0.7959, 0.7228, 0.7186, 0.7520, 0.7301, 0.7116, 0.7160, 0.7385,  
        0.7108, 0.7007, 0.6930, 0.6996, 0.7200, 0.7256, 0.7406, 0.7617, 0.7192,  
        0.7248, 0.7310, 0.7305, 0.7470, 0.6933, 0.7941, 0.7795, 0.7245, 0.7361,  
        0.6942, 0.7319, 0.7069, 0.7533, 0.7276, 0.7538, 0.7267, 0.6789, 0.6660,  
        0.7135, 0.7111, 0.7514, 0.7231, 0.7434, 0.6991, 0.7260, 0.6972, 0.7197,  
        0.7268, 0.7428, 0.7044, 0.7313, 0.7350, 0.6986, 0.7144, 0.7049, 0.6692,  
        0.7352, 0.7304, 0.6980, 0.6952, 0.7533, 0.7420, 0.7253, 0.6489, 0.8120,  
        0.7644, 0.7670, 0.7266, 0.7124, 0.7157, 0.7564, 0.6714, 0.7179, 0.6427,  
        0.7273, 0.7073, 0.6711, 0.6691, 0.7366, 0.7231, 0.6354, 0.6690, 0.7302,  
        0.6606, 0.7117, 0.7015, 0.7020, 0.7683, 0.7017, 0.7148, 0.7144, 0.7066,  
        0.7193, 0.7007, 0.6715, 0.7385, 0.7253, 0.7562, 0.7321, 0.7315, 0.7106,  
        0.7362, 0.7214, 0.6842, 0.7457, 0.7147, 0.7295, 0.7302, 0.6887, 0.7233,  
        0.6737, 0.7608, 0.6971, 0.7085, 0.7666, 0.7399, 0.7525, 0.7179, 0.6534,  
        0.7512, 0.7378, 0.7160, 0.7076, 0.7851, 0.6718, 0.6989, 0.6586, 0.6704,  
        0.6786, 0.6870, 0.7035, 0.7125, 0.7349, 0.7406, 0.7434, 0.7274, 0.7218,  
        0.6812, 0.6653, 0.7203, 0.7556, 0.7223, 0.6935, 0.6903, 0.7265, 0.6332,  
        0.7458, 0.8136, 0.6834, 0.7625, 0.6472, 0.7038, 0.7261, 0.6995, 0.7249,  
        0.7516, 0.7160, 0.7136, 0.7389, 0.7590, 0.7324, 0.7582, 0.7778, 0.7231,  
        0.6960, 0.7352, 0.7598, 0.7509, 0.7124, 0.7090, 0.6901, 0.6805, 0.7431,  
        0.6968, 0.7324, 0.7787, 0.7310, 0.6644, 0.7569, 0.8343, 0.7183, 0.7252,  
        0.6955, 0.7335, 0.7436, 0.7552, 0.7876, 0.7727, 0.7792, 0.6661, 0.7610,  
        0.7161, 0.6773, 0.7837, 0.7211, 0.7177, 0.7085, 0.7353, 0.6822, 0.7822,  
        0.6221, 0.7152, 0.7362, 0.7492, 0.7341, 0.7104, 0.7032, 0.7534, 0.7380,  
        0.7575, 0.7191, 0.7782, 0.7424, 0.7316, 0.7150, 0.7269, 0.7028, 0.7152,  
        0.7554, 0.6677, 0.7152, 0.7204, 0.7209, 0.7203, 0.6723, 0.7696, 0.7459,  
        0.7909, 0.7636, 0.7219, 0.6870, 0.7275, 0.7823, 0.7413, 0.7295, 0.7376,  
        0.7124, 0.6901, 0.7466, 0.7111, 0.6517, 0.6711, 0.7175, 0.7248, 0.7289,  
        0.7511, 0.7300, 0.6864, 0.7456, 0.6268, 0.7416, 0.7319, 0.7286, 0.6111,  
        0.6851, 0.7296, 0.7252, 0.7379, 0.7271, 0.7034, 0.7230, 0.7121, 0.7130,  
        0.7327, 0.7374, 0.7153, 0.7418, 0.7072, 0.7831, 0.7067, 0.6980, 0.7312,  
        0.7325, 0.6521, 0.6911, 0.6812, 0.7102, 0.7051, 0.7621, 0.7573, 0.6412,  
        0.7331, 0.6715, 0.7164, 0.7092, 0.7620, 0.6692, 0.6819, 0.6952, 0.7243,  
        0.7302, 0.7432, 0.7387, 0.7316, 0.7460, 0.7127, 0.7717, 0.6843, 0.6998,  
        0.7594, 0.7159, 0.7409, 0.7686, 0.6684, 0.7221, 0.6996, 0.7245, 0.7544,  
        0.7255, 0.7160, 0.7385, 0.7943, 0.6868, 0.7386, 0.6865, 0.7353, 0.7298,  
        0.7094, 0.7360, 0.7566, 0.7353, 0.7287, 0.7261, 0.6941, 0.7407, 0.7072,  
        0.7458, 0.7231, 0.7693, 0.7651, 0.6786, 0.7450, 0.7089, 0.6769, 0.7202,  
        0.7785, 0.7721, 0.7481, 0.7105, 0.7153, 0.7268, 0.7445, 0.7273, 0.7634,  
        0.7096, 0.6847, 0.7616, 0.7846, 0.6342, 0.6731, 0.7139, 0.7051, 0.7299,  
        0.7224, 0.6561, 0.7448, 0.7636, 0.7060, 0.6886, 0.6542, 0.7306, 0.7376,  
        0.7207, 0.7951, 0.7730, 0.6853, 0.7228, 0.7198, 0.7310, 0.8069, 0.7504,  
        0.7636, 0.6986, 0.7522, 0.7543, 0.7283, 0.7390, 0.7834, 0.7266, 0.6982,  
        0.8200, 0.6683, 0.7263, 0.6941, 0.6996, 0.7289, 0.7469, 0.7199, 0.7175,  
        0.7586, 0.7439, 0.7172, 0.6461, 0.7168, 0.7093, 0.7489, 0.7334, 0.7339,  
        0.6914, 0.7019, 0.7179, 0.7268, 0.7151, 0.7112, 0.7157, 0.7114, 0.7172,  
        0.7578, 0.7153, 0.7222, 0.7253, 0.6848, 0.6426, 0.6501, 0.7528, 0.7297,
```

0.6848, 0.6863, 0.7616, 0.7435, 0.7467, 0.7078, 0.6747, 0.6969, 0.7040,
0.7320, 0.7203, 0.7707, 0.7404, 0.6765, 0.7623, 0.7109, 0.7398, 0.7427,
0.6989, 0.7144, 0.6980, 0.7957, 0.7245, 0.7167, 0.7163, 0.7976, 0.7262,
0.7220, 0.7326, 0.7154, 0.6845, 0.7526, 0.7015, 0.7251, 0.7429, 0.6957,
0.7232, 0.7244, 0.7327, 0.6055, 0.6549, 0.7215, 0.6577, 0.6936, 0.6955,
0.7183, 0.7166, 0.7073, 0.7939, 0.7342, 0.7369, 0.7328, 0.7393, 0.7292,
0.7204, 0.7319, 0.7344, 0.6831, 0.6342, 0.6817, 0.6844, 0.7290, 0.7325,
0.7497, 0.7523, 0.7355, 0.7248, 0.7136, 0.7273, 0.6777, 0.7209, 0.7391,
0.7719, 0.7195, 0.7347, 0.7063, 0.7157, 0.7291, 0.7691, 0.7036, 0.7720,
0.6797, 0.7511, 0.7132, 0.7718, 0.6405, 0.7789, 0.7017, 0.7119, 0.7272,
0.7535, 0.7206, 0.7251, 0.7234, 0.7266, 0.7301, 0.7585, 0.7113, 0.7355,
0.7108, 0.7164, 0.7451, 0.7121, 0.6231, 0.7331, 0.7215, 0.6611, 0.7539,
0.7071, 0.7166, 0.7132, 0.7512, 0.7124, 0.7283, 0.7187, 0.7456, 0.6563,
0.7280, 0.7699, 0.6896, 0.7358, 0.6944, 0.7380, 0.7349, 0.7204, 0.7567,
0.7579, 0.6762, 0.7204, 0.6220, 0.7298, 0.7320, 0.8361, 0.7076, 0.6892,
0.7007, 0.7372, 0.7701, 0.7472, 0.7771, 0.7473, 0.7318, 0.7297, 0.7258,
0.7282, 0.7021, 0.7005, 0.7256, 0.7532, 0.7301, 0.7267, 0.7683, 0.7325,
0.7490, 0.7403, 0.7582, 0.6581, 0.6484, 0.6465, 0.7307, 0.7169, 0.7459,
0.6822, 0.7320, 0.0984, 0.7027, 0.7214, 0.7253, 0.7332, 0.7431, 0.7431,
0.6361, 0.6928, 0.7421, 0.8317, 0.6983, 0.7368, 0.7244, 0.7464, 0.7277,
0.7232, 0.6973, 0.7218, 0.7227, 0.7113, 0.7225, 0.7448, 0.7025, 0.7219,
0.7613, 0.7166, 0.7489, 0.7162, 0.7444, 0.6784, 0.7441, 0.7171, 0.7295,
0.7104, 0.7365, 0.6926, 0.6930, 0.7042, 0.6972, 0.8277, 0.7433, 0.7355,
0.7485, 0.6972, 0.7301, 0.6685, 0.7416, 0.7510, 0.7427, 0.7346, 0.7065,
0.7539, 0.7274, 0.7313, 0.7173, 0.7370, 0.6912, 0.6989, 0.7077, 0.7351,
0.1386, 0.6997, 0.7189, 0.7483, 0.7132, 0.7513, 0.7188, 0.7032, 0.7137,
0.6881, 0.6834, 0.6303], device='cuda:0')

Out[25]: Parameter containing:

```
tensor([-7.5446e-03, -6.1389e-02,  1.1223e-01, -1.4365e-02, -1.1931e-01,
        4.1856e-02, -7.0880e-02,  1.5340e-01, -1.0381e-01,  8.5073e-02,
        -5.8727e-02,  8.9936e-02, -1.9044e-02,  3.7760e-02, -2.6887e-01,
        2.2861e-03, -8.0142e-02,  1.4572e-01, -5.3427e-02,  3.9366e-02,
        -7.3666e-03, -5.8233e-02, -8.7009e-02,  6.1739e-02,  7.3810e-02,
        -3.4941e-02, -9.8284e-02, -3.8084e-02, -2.6368e-02, -1.6921e-01,
        -1.6474e-03,  5.4759e-02, -6.7397e-02,  1.6086e-02, -3.7201e-02,
        -9.6944e-02,  1.1760e-01, -9.6285e-02, -5.1656e-02, -1.6722e-01,
        4.8250e-02,  8.1764e-02, -1.2849e-01, -1.0436e-01, -8.3685e-02,
        6.0792e-02, -4.2033e-02, -6.0170e-02, -4.0768e-02,  1.0562e-01,
        -2.1032e-02, -3.1645e-01, -9.4544e-02, -1.9372e-02,  6.2067e-02,
        1.2038e-01,  7.4609e-02, -2.1464e-02, -6.6425e-02,  8.5980e-02,
        -4.1995e-02, -9.4106e-02, -1.0117e-02, -1.0520e-01, -7.8085e-03,
        1.9745e-02, -8.8574e-04, -1.4940e-01,  3.0540e-02, -7.3468e-02,
        1.1500e-01, -3.7347e-02,  9.5051e-03, -2.1573e-02,  6.4095e-03,
        -9.1370e-03,  2.4876e-02, -2.9391e-02, -1.4193e-01,  8.0722e-02,
        -1.8121e-01,  7.4251e-03, -3.1379e-02, -9.3735e-02, -4.5641e-02,
        5.0307e-02, -4.2647e-02, -5.4733e-01,  6.2220e-02, -4.9955e-02,
        -7.2482e-02,  2.9639e-02, -1.2012e-01, -9.8835e-02,  5.1734e-02,
        1.2088e-01,  3.2503e-02,  5.8041e-03, -8.3129e-02,  2.3732e-01,
        -7.5955e-02, -1.0569e-01, -4.8328e-02, -1.3952e-01, -1.5988e-01,
        -1.1636e-01, -1.5972e-01,  4.5694e-02, -7.3116e-02,  3.7835e-02,
        1.4410e-01, -5.8466e-02,  2.6799e-03,  1.0910e-02, -5.5279e-03,
        3.9544e-02, -2.0168e-02,  9.9504e-02,  1.9360e-01, -7.8285e-02,
        -3.8681e-03,  1.8236e-02,  2.0868e-02, -7.5064e-02,  1.3543e-02,
        -4.3231e-02, -3.7557e-02, -3.7468e-02, -5.7612e-02,  1.3564e-01,
        -1.0053e-01,  4.9335e-03, -3.3666e-02, -1.5096e-02,  2.5926e-02,
        1.7006e-02,  6.7046e-03, -6.5369e-04, -1.2221e-01, -1.3236e-01,
        1.4822e-01,  6.8336e-02, -4.1981e-02, -3.5304e-03, -1.7321e-01,
        3.4241e-02, -4.4047e-02, -5.3114e-02, -6.7519e-02, -2.9836e-02,
        -6.8138e-02, -9.6002e-02, -1.4325e-01,  7.9455e-02, -7.4300e-02,
        2.8721e-02, -3.5486e-02, -7.6438e-02, -7.5712e-02, -9.1557e-03,
        5.3184e-02,  2.1289e-02,  5.4066e-02, -5.0409e-02,  7.8786e-02,
        -1.3976e-02, -1.0535e-02, -8.7352e-02,  5.7336e-02, -4.0265e-02,
        -1.1103e-02, -1.1716e-01, -2.3640e-02,  1.3075e-01, -1.3046e-01,
        -5.3008e-02,  3.3563e-04, -2.1970e-02,  8.8477e-02,  8.7031e-03,
        -6.6502e-02,  3.4753e-02, -4.6519e-02, -5.4386e-02, -5.7414e-03,
        1.0646e-02,  2.3633e-02, -1.5984e-02,  8.4200e-02, -8.2041e-02,
        -9.8891e-03, -7.0380e-02,  7.9469e-02,  9.7565e-02,  6.2136e-02,
        1.3402e-02,  1.7277e-01, -4.5620e-02, -1.7524e-02, -7.6364e-02,
        7.7220e-02,  1.2642e-01, -5.2193e-02,  1.6462e-01,  7.7675e-03,
        -4.9008e-02, -7.4333e-02, -6.9484e-02, -1.0920e-02,  5.3769e-02,
        -1.4849e-01, -3.4076e-02,  8.1170e-02,  9.8274e-02,  6.9373e-02,
        6.0134e-02, -1.4188e-02, -1.1449e-02, -2.2971e-02,  4.8891e-02,
        -4.9518e-02, -1.7983e-02, -4.1326e-02, -3.5087e-02, -2.8504e-02,
        -1.3823e-01, -9.6720e-02, -5.7825e-02,  8.6215e-03, -8.3855e-02,
        -5.9039e-02,  7.9688e-02,  3.6202e-02, -2.3579e-03,  6.3802e-02,
        -3.2805e-03, -1.1183e-01,  1.9688e-02, -1.8995e-01, -8.1195e-02,
        -3.1893e-02,  1.6491e-01, -1.0396e-01,  1.0583e-02,  1.9857e-02,
        1.5199e-02,  3.0032e-03, -4.3254e-02, -2.6719e-02,  5.0401e-02,
        -2.9939e-02, -6.9150e-02, -7.8547e-02, -4.0458e-02,  1.5718e-02,
        -6.3672e-02, -7.0890e-02, -4.7120e-02,  1.1626e-02, -1.8542e-02,
        -1.9388e-01,  5.8673e-03,  1.2191e-01,  4.9249e-02, -5.6142e-02,
        2.8522e-02, -9.7994e-02,  3.0505e-03, -1.6459e-01,  3.5013e-02,
        1.7054e-02,  5.6556e-02,  8.4123e-03, -1.1041e-02, -1.1563e-02,
        7.8770e-02,  3.4464e-02,  5.7198e-02, -8.0963e-02,  7.1256e-02,
        1.3261e-02,  1.0104e-01, -4.5348e-02, -1.9143e-02, -1.3497e-01,
        -1.4423e-01, -1.4256e-01, -7.8401e-02, -3.7549e-02, -1.0017e-01,
        -1.1975e-02, -1.1694e-01,  4.4187e-02, -4.2656e-02, -2.0165e-01,
```

-3.5297e-02, -1.9737e-01, 9.7551e-02, -1.0290e-01, -5.5886e-03,
4.5955e-02, -1.9257e-01, 1.0281e-02, 2.7290e-02, -6.1741e-02,
-3.1445e-02, 8.6218e-03, 5.4873e-05, 2.2014e-02, -9.4139e-02,
-9.8085e-02, 1.4128e-03, -1.4768e-02, 5.0161e-03, -1.0563e-01,
-1.5264e-02, -9.0180e-02, -5.3662e-02, -8.0921e-03, 2.4362e-02,
5.7939e-02, 8.5294e-02, 1.0194e-01, 9.5117e-02, -2.9966e-02,
9.1502e-02, 5.4717e-02, 2.0039e-02, 1.4733e-02, 4.0888e-02,
8.6127e-02, -1.2017e-02, 6.3035e-02, 2.3269e-01, 1.3845e-02,
1.6191e-01, 4.1474e-02, 2.6797e-01, -1.5668e-01, -4.3830e-02,
-6.2771e-02, -8.7685e-02, 9.1305e-02, 2.1469e-02, -1.1283e-01,
2.5250e-02, -9.9193e-02, -1.1893e-01, 2.0205e-02, 7.4755e-02,
-1.0246e-01, 1.1625e-01, -7.9767e-02, -9.2437e-02, -7.2491e-02,
1.4714e-01, 5.6318e-02, -1.4531e-01, -1.9535e-02, 1.7256e-01,
-8.3516e-02, -5.4750e-02, -8.7758e-02, -2.0454e-02, 1.0383e-01,
2.3840e-03, -3.8268e-02, -4.9665e-03, -1.5011e-01, -2.1173e-02,
1.5216e-02, 8.0408e-03, 3.7916e-02, 4.6643e-02, 6.1286e-02,
7.1607e-02, 2.1465e-02, 1.1268e-01, 1.1430e-01, -5.9273e-02,
7.8170e-02, -1.3016e-01, -4.4014e-02, 1.0381e-01, -4.7251e-02,
-7.0546e-02, -1.0522e-02, -1.1511e-01, -1.7613e-04, -1.1453e-01,
-7.3028e-02, -7.9125e-02, 2.6820e-02, 3.0529e-03, -9.1823e-02,
-2.1338e-02, -4.2425e-02, 4.9544e-02, -2.7653e-02, -1.4341e-03,
1.0093e-01, 8.4881e-03, -7.4160e-02, -9.6865e-02, 6.8271e-04,
-5.2932e-02, -2.5144e-02, 2.9367e-02, 6.5124e-02, -8.2487e-02,
1.6717e-02, 5.9311e-02, -1.0696e-01, -1.0874e-01, -2.7083e-02,
-1.6261e-02, -5.6347e-02, -1.3741e-01, 8.0199e-02, -6.0690e-02,
-6.6057e-02, -1.7101e-01, 1.5204e-01, 9.8833e-02, 8.5772e-02,
-9.4571e-03, -2.8292e-02, -1.1043e-01, 7.9775e-02, -4.9199e-02,
5.4961e-03, -3.4916e-02, -4.0266e-02, -4.3829e-02, 1.2528e-01,
-1.3749e-01, -9.3742e-02, 2.7868e-02, -1.3384e-02, -2.6232e-02,
-1.1005e-01, 1.0142e-02, -2.3898e-02, 9.3790e-03, -1.2564e-01,
-1.3790e-03, 1.0445e-01, 1.3076e-01, 2.9802e-02, 1.0123e-01,
-3.6508e-02, 1.0107e-01, 3.2832e-02, -7.3439e-02, 3.2323e-02,
-8.2799e-02, 3.2157e-02, -2.2375e-02, 3.5785e-02, 4.8028e-02,
-6.1925e-02, 4.4481e-02, -8.9819e-03, 6.2639e-02, 6.6146e-02,
-1.9043e-02, -4.9886e-02, -8.2326e-02, 1.7846e-02, 1.2614e-01,
5.0644e-02, 5.8367e-03, 9.1938e-02, 4.9423e-02, 5.2020e-02,
5.5373e-02, -6.1651e-02, -5.1155e-02, -2.9692e-02, 5.9501e-02,
-5.1911e-02, -7.7810e-02, -8.7231e-02, 6.8267e-02, 1.5379e-02,
-6.5386e-02, 4.5924e-02, 1.5934e-02, -4.8078e-03, -6.5578e-02,
-1.3270e-01, 2.3087e-02, 1.3273e-01, 3.6527e-02, 1.6272e-01,
-7.3342e-02, 1.3073e-02, 3.4251e-02, -1.4167e-01, 6.1570e-02,
9.4988e-02, -6.9313e-03, -1.2544e-01, 2.4399e-01, -2.7893e-02,
-2.0549e-02, -5.3440e-02, 4.1738e-02, -4.2862e-02, 4.2234e-02,
-8.1178e-03, -2.0101e-01, -7.9044e-04, -4.5994e-02, 5.0735e-02,
-2.5404e-02, -2.4194e-02, 6.9394e-02, -5.3072e-02, -1.7708e-02,
9.4990e-02, -1.1915e-01, -6.7979e-02, 4.3042e-02, 9.7112e-03,
1.4353e-02, -1.1917e-01, -1.0254e-01, 1.1724e-01, 6.4469e-02,
-3.5539e-02, 3.9013e-02, -7.4035e-02, -1.4367e-01, 3.2935e-02,
2.8348e-03, 7.5215e-02, -2.4788e-01, -1.0482e-01, -1.1776e-01,
2.7517e-02, -7.7161e-02, -1.1860e-02, -1.9414e-01, -1.4120e-02,
3.3228e-02, -4.8254e-02, 5.6046e-03, -1.6005e-02, -1.3293e-01,
-1.7266e-02, 1.3563e-01, -7.4129e-02, -2.1845e-02, -7.0842e-02,
-5.5571e-02, -1.2286e-03, -1.5638e-02, -3.8017e-02, -5.1864e-02,
1.3323e-03, -4.1634e-02, -1.1432e-01, 6.3563e-02, 1.1290e-01,
-5.8409e-02, -2.8079e-02, -7.8069e-02, 5.3177e-03, 4.5742e-02,
-1.2141e-01, -8.8294e-02, 1.4770e-02, -5.8460e-02, 1.7969e-02,
-4.0329e-02, 5.4817e-02, -9.8816e-02, 5.6597e-03, 9.0991e-02,
6.0185e-02, 1.0100e-01, -4.6636e-02, -1.7155e-02, -6.0878e-02,
1.4695e-02, -2.5580e-01, -3.9992e-02, 1.8303e-03, -5.8971e-02,
-1.3248e-01, -1.1682e-01, -9.9008e-02, 1.3301e-01, 1.4137e-01,

```
1.5861e-02, -6.5128e-02, -8.5725e-02, -3.5632e-02, -3.4360e-02,
-3.8899e-02, 8.1968e-04, -2.7217e-02, -1.3088e-02, -9.8447e-02,
-1.6767e-01, 9.0167e-02, -3.0154e-02, 1.1892e-01, 7.4054e-02,
-9.7116e-02, -2.5862e-03, 3.8810e-02, 1.3936e-02, -9.5712e-02,
-4.0197e-02, -7.6350e-02, 2.1588e-02, -5.0121e-02, 7.9458e-02,
-1.1625e-01, 7.9911e-02, 8.2069e-02, 8.7464e-02, -1.4135e-02,
-1.8133e-01, -1.5268e-01, 1.0751e-01, -1.4723e-01, 4.7853e-02,
-3.0018e-02, -1.0134e-02, 4.4890e-02, 3.9012e-02, -9.4776e-02,
-5.7103e-03, 2.6986e-03, -3.6064e-02, 7.9243e-02, 9.8845e-02,
-3.3218e-02, -7.7560e-02, 5.5151e-02, -1.3095e-01, 9.5577e-02,
1.0702e-02, 7.9013e-02, -1.9248e-02, -1.7746e-01, -1.0517e-01,
-4.7528e-02, -1.8113e-02, 5.6209e-03, 1.6537e-02, -3.9371e-02,
5.5974e-03, 1.4615e-01, -9.0202e-02, -6.3012e-02, 4.3701e-02,
1.2433e-01, -1.1720e-01, 3.3237e-03, -5.8693e-02, -5.6986e-02,
-3.6282e-02, 4.5598e-02, -2.1744e-02, -3.1678e-02, 6.7154e-02,
1.4702e-01, 4.0628e-02, -5.8027e-02, 1.6672e-02, 4.7141e-02,
9.9846e-03, -3.0194e-02, 5.2151e-02, -5.8220e-02, -4.9489e-02,
8.3152e-03, 5.6377e-02, -2.8535e-02, -1.0526e-01, -3.0066e-01,
1.8527e-04, -3.1776e-02, -5.0951e-02, 3.3642e-02, -4.0470e-02,
5.2878e-02, 1.7588e-02, 3.6586e-02, 5.9942e-02, -6.1505e-02,
5.5132e-01, -5.0973e-02, 1.2911e-02, 1.3046e-01, 1.2249e-02,
5.8078e-02, 5.9579e-02, -1.2105e-02, 5.8489e-02, 1.7627e-02,
9.1218e-02, -1.1204e-02, -1.4768e-02, -2.5792e-03, 5.8681e-02,
-1.6002e-01, -6.4549e-02, 5.3886e-02, -7.1510e-02, 7.2652e-03,
8.2687e-03, 2.8858e-02, 1.4513e-01, -4.8043e-02, 3.0545e-01,
-1.1496e-01, -1.1850e-01, -7.2191e-02, -2.7301e-02, -5.0881e-03,
-3.1061e-02, -6.1783e-02, 9.0042e-02, 6.1796e-02, 4.7905e-02,
1.6758e-02, 8.9227e-02, -1.2433e-01, -1.5274e-02, 2.5851e-03,
5.1962e-02, -1.1476e-01, -1.5941e-01, 8.1533e-02, -1.0541e-01,
-1.3891e-02, -1.4151e-01, -3.4599e-02, -4.7953e-02, 3.9748e-02,
-9.7437e-02, -7.6169e-02, -1.3058e-01, -9.6488e-02, 1.2258e-01,
6.2147e-02, -3.3763e-02, -9.9307e-02, 2.3898e-02, 1.9527e-03,
-3.5053e-04, -6.3067e-01, -4.7164e-02, 4.7206e-02, 4.3131e-02,
1.4097e-02, -7.4674e-02, 1.9088e-01, -2.4775e-02, -1.4106e-01,
-2.5242e-02, -5.8005e-02, -6.4350e-02], device='cuda:0')
```

Out[25]: Parameter containing:

```
tensor([[ 0.0158, -0.0157,  0.0201, ..., -0.0036,  0.0106, -0.0306],
        [ 0.0007, -0.0242, -0.0229, ..., -0.0435,  0.0008,  0.0374],
        [ 0.0324, -0.0550, -0.0645, ..., -0.0269,  0.0253, -0.0057],
        ...,
        [ 0.0068, -0.0173, -0.0353, ...,  0.0327,  0.0145, -0.0332],
        [-0.0298,  0.0789,  0.0268, ..., -0.0299,  0.0174,  0.0055],
        [ 0.0100, -0.0220,  0.0103, ..., -0.0363,  0.0436,  0.0691]],
        device='cuda:0')
```

Out[25]: Parameter containing:

```
tensor([ 5.6160e-02, -1.5615e-02,  4.9556e-02, -1.7734e-02, -9.5781e-03,
        -2.6894e-02,  1.1099e-02,  2.7383e-02, -1.2908e-02, -5.1027e-02,
         8.0030e-02,  4.3882e-02,  2.8517e-02,  2.3753e-02,  5.1370e-02,
        -4.9721e-02,  1.7865e-02,  1.5304e-02,  1.2640e-02, -2.1457e-02,
         8.9096e-03, -3.9357e-02,  1.0728e-02, -1.2226e-02,  2.9423e-03,
         5.2770e-02,  3.0733e-02,  2.2748e-02, -7.8693e-02,  2.5595e-02,
         4.9352e-02,  5.9142e-02,  4.1233e-02, -2.9516e-02, -5.1302e-02,
        -2.9786e-02,  1.4607e-02,  4.7241e-02,  5.1797e-03,  3.6946e-03,
        -5.1179e-02,  3.1391e-02, -1.0767e-02, -2.3299e-02,  2.6112e-02,
         3.3958e-02, -4.2226e-02, -2.7321e-02, -2.0930e-02,  1.5854e-02,
        -3.3443e-02, -5.1119e-02,  3.8739e-02, -2.9426e-02,  2.0436e-02,
         4.2113e-02, -7.1059e-03,  3.8786e-02,  5.9041e-02, -6.1503e-03,
         5.6658e-02,  2.6026e-02, -9.4528e-03, -5.0493e-02,  5.1371e-02,
        -2.4864e-02, -2.5655e-02, -1.9131e-04,  2.2694e-02,  5.8078e-02,
        -3.9822e-02,  3.6060e-03,  4.4229e-02,  2.9834e-03, -1.4617e-02,
         4.7670e-02, -1.0635e-02,  3.6796e-02, -5.8675e-02, -3.5152e-02,
         4.0526e-02,  4.3859e-02, -5.0471e-02, -2.5735e-02, -2.1055e-02,
        -2.5106e-02, -1.1527e-02,  6.0184e-03,  2.5420e-02, -1.6811e-02,
         3.5595e-02, -4.3965e-02, -4.0503e-02,  4.5948e-02, -4.9044e-02,
        -3.5967e-02, -8.5366e-04,  6.4954e-02,  8.5904e-03, -2.2882e-02,
        -4.1714e-02, -9.5099e-03, -4.5514e-02, -3.1425e-02,  2.3953e-02,
         4.9840e-02,  2.4484e-02, -6.5113e-02,  4.5991e-02, -3.4030e-02,
        -6.1757e-02, -3.1955e-02, -3.0833e-02,  2.9701e-02, -4.5218e-03,
         3.8575e-02,  3.5328e-02,  1.8820e-02,  3.5449e-02, -4.1635e-02,
         4.5139e-02, -2.1729e-02, -2.1433e-02,  1.8498e-02,  4.7900e-02,
         5.1446e-02,  5.7831e-02,  3.8987e-03,  5.7526e-02,  2.9828e-02,
         3.5863e-02,  3.9613e-02, -2.6187e-02,  2.5008e-02, -5.6375e-03,
        -4.9288e-03, -1.8227e-02, -2.8918e-02,  5.1845e-02,  5.4629e-03,
         1.6554e-02,  1.2765e-02,  5.7101e-02, -2.1891e-02,  3.1944e-02,
        -3.8575e-02,  1.6433e-02, -3.8411e-02,  1.8324e-02,  2.1002e-02,
        -1.6925e-02,  8.8967e-02,  8.8861e-03,  3.3418e-02, -1.7574e-02,
        -3.0701e-02, -8.5752e-04, -2.1456e-02,  2.8014e-05, -7.0903e-02,
        -2.3343e-02,  1.8369e-02, -3.1592e-02,  4.2922e-02, -4.2714e-02,
         5.7214e-02, -3.7406e-02,  4.6316e-02,  2.7325e-02,  2.9027e-02,
        -4.0242e-02, -2.4531e-02,  4.0664e-04, -3.1389e-02,  1.0839e-02,
         3.5892e-02, -3.3977e-02,  3.7386e-02,  1.5183e-02, -3.3377e-02,
        -1.9060e-02,  2.0944e-02,  7.1447e-03,  2.3262e-02, -2.8749e-02,
        -2.8606e-03, -7.2078e-03,  1.3892e-02,  4.1691e-02, -4.4747e-02,
        -1.8574e-02,  4.9854e-02,  3.5543e-02,  4.1848e-02,  5.9828e-02,
         1.0464e-02,  7.4882e-03, -1.9102e-02, -5.0266e-02, -3.9406e-02,
         7.9917e-02, -2.9278e-02, -4.4729e-02,  4.2628e-03, -2.5443e-02,
         3.0518e-02,  2.5100e-02,  3.3237e-02,  1.1544e-02, -6.8377e-02,
         4.2367e-02, -2.8779e-02, -3.2843e-02, -2.7794e-02,  2.1901e-02,
         3.1229e-02, -3.0188e-02, -1.3800e-02,  1.5986e-02, -2.7698e-02,
         5.4697e-02, -3.6980e-02, -2.4600e-02, -1.6651e-02,  1.4033e-02,
         2.3450e-02,  6.2486e-03,  8.1747e-02,  2.8999e-02, -1.6572e-02,
        -3.6481e-02,  3.0400e-02, -9.1264e-03, -5.9189e-02, -1.0151e-02,
         1.9260e-02,  2.1689e-02,  5.2602e-02, -6.1862e-02, -1.0173e-02,
         6.4978e-02, -3.0440e-02,  4.6698e-02,  9.9029e-03, -4.6549e-02,
        -4.7912e-02,  2.9366e-02,  3.5676e-02,  1.9066e-02, -3.2897e-02,
         1.5535e-02, -1.7298e-02,  1.8205e-02, -7.4286e-02, -1.3514e-02,
         1.9552e-02,  5.6346e-02,  5.2751e-02, -2.9521e-02, -3.3180e-02,
        -2.8213e-04, -3.9869e-02,  5.4940e-02,  2.8889e-03,  4.9834e-02,
         2.7360e-02,  7.5986e-03,  1.6103e-02,  2.3958e-02,  2.7964e-02,
        -4.2509e-02,  3.4384e-02, -4.2433e-02, -8.8705e-03, -3.3500e-02,
         1.0572e-02, -3.4162e-02, -5.2492e-02, -1.3269e-03,  7.3261e-02,
         2.2992e-02, -3.2038e-02,  9.0536e-03,  3.2995e-02,  3.7990e-02,
         8.2259e-03,  4.8074e-02, -3.9896e-02,  5.2310e-02, -2.0551e-02,
         3.2087e-02, -6.2894e-02, -5.2535e-02, -2.1539e-03,  1.9940e-02,
```


5.1031e-02, -4.3199e-02, 2.1520e-02, -5.2446e-02, 3.9762e-02,
-2.0327e-02, -5.1386e-03, 1.9316e-02, -2.8699e-02, -2.0804e-02,
1.2107e-02, -9.0324e-03, 2.5630e-03, -1.5181e-02, -1.8651e-02,
3.1456e-02, -8.8459e-03, 6.2772e-02, 1.6150e-02, 7.2279e-02,
-2.7141e-02, -5.4300e-02, 2.3595e-02, 4.3716e-02, 3.6843e-02,
1.3889e-02, 1.1580e-02, 3.3227e-02, 6.8805e-03, 1.5250e-02,
-2.7125e-02, -2.5106e-02, -1.5856e-02, 1.3705e-02, -9.8064e-03,
3.9719e-03, -9.0546e-03, -5.3919e-04, -1.1562e-02, 3.4188e-02,
-6.8978e-02, 3.3562e-02, 5.9857e-02, 2.3306e-02, 2.1976e-02,
-1.9647e-02, -2.3700e-02, 1.2360e-03, -1.1394e-02, 4.8772e-02,
-4.8796e-02, 4.6266e-02, -1.8491e-03, -1.9384e-02, -5.0530e-02,
-1.0542e-02, 6.7346e-02, 1.8696e-02, 4.0298e-02, 1.7405e-02,
1.8387e-02, -1.3151e-04, -1.0107e-02, -1.4036e-02, 4.7596e-02,
3.6514e-02, 6.2257e-02, -2.9784e-02, -4.8773e-02, 1.7948e-02,
-4.6184e-02, -1.8774e-02, -4.7706e-02, -4.3843e-02, -6.3867e-02,
-2.0349e-02, 1.6023e-02, -2.9823e-02, -2.1681e-02, 2.2179e-02,
-2.5652e-02, -7.3713e-03, -7.7403e-03, -2.7127e-03, 3.0278e-02,
-4.1456e-02, -5.6220e-02, -2.2018e-02, -4.3460e-02, -5.6703e-02,
-8.9603e-03, 4.4782e-02, -7.1275e-02, 4.0770e-02, -7.1573e-02,
4.3063e-02, -1.9120e-02, 1.4956e-02, 2.3453e-02, 4.0699e-02,
-1.2976e-02, 4.5819e-02, 5.9413e-02, 5.5096e-02, 2.3539e-02,
-2.1088e-02, -1.8119e-02, -7.6455e-02, -1.8965e-02, -6.3924e-02,
-4.6277e-02, -3.8302e-02, -3.4954e-02, -5.6927e-03, -3.6463e-02,
1.4106e-02, 4.0770e-02, 3.1897e-02, 2.6678e-02, -5.7827e-02,
1.1630e-02, -1.8930e-02, 1.0600e-02, 1.8271e-02, 6.8653e-03,
-3.8758e-02, -1.5301e-02, -3.5938e-03, 7.5573e-02, 1.6397e-02,
-6.3589e-03, -4.9528e-03, -3.3191e-02, 5.2630e-02, -4.5806e-02,
-2.2278e-02, 7.0098e-02, -1.8787e-02, -5.3607e-02, -3.4565e-02,
-4.0917e-03, -3.8169e-02, -2.2820e-02, 3.7508e-02, 2.8652e-02,
-5.5874e-02, -4.1766e-02, -5.8250e-02, 2.3484e-02, 2.6094e-03,
1.8211e-02, 1.6856e-02, 8.0743e-03, -9.7883e-03, -1.2947e-02,
-2.6253e-02, -1.2163e-02, 1.4352e-02, -3.9120e-02, 3.9666e-02,
-2.4357e-02, 3.4826e-02, -4.8801e-02, 2.7607e-02, -4.4054e-02,
5.2237e-02, -1.6305e-02, 2.0692e-02, -2.2729e-03, 5.0876e-04,
3.3233e-02, 6.6452e-02, 1.7458e-02, 4.5127e-02, -1.6894e-02,
-3.4666e-02, -6.0479e-04, -5.5410e-02, -1.6779e-02, -2.8898e-02,
-3.7786e-02, 3.6038e-02, -1.3861e-02, 4.5317e-02, 5.7390e-02,
4.9708e-02, 1.5157e-02, -4.4718e-02, 4.5842e-02, -5.2727e-02,
2.3235e-02, 6.9078e-03, -3.3027e-02, -5.4589e-02, -1.9344e-02,
-7.9729e-03, 2.8850e-02, 1.5520e-02, -5.1239e-02, 2.2569e-02,
3.8365e-02, -6.4293e-02, -2.6142e-02, -1.1096e-03, 2.7285e-02,
5.8585e-02, 2.8311e-02, 2.2220e-02, -3.3545e-02, -4.1175e-03,
4.8081e-03, 4.0450e-02, 3.1126e-02, 3.5743e-03, 3.1843e-02,
1.3552e-02, 1.6589e-02, -1.5059e-02, 4.4577e-02, -1.8510e-02,
-3.5544e-02, 4.2001e-02, 4.5000e-02, 4.2651e-02, -1.4299e-02,
1.4701e-02, 2.8111e-02, 3.4421e-02, -2.2408e-02, 2.3530e-02,
-3.0534e-02, 4.7569e-02, 6.6474e-02, 2.1040e-02, -9.1746e-03,
-1.2884e-02, -2.1761e-02, 1.9342e-02, -1.1109e-02, 5.2749e-02,
3.2822e-02, 1.4474e-02, -2.1993e-02, 2.9757e-02, 6.9875e-03,
5.1176e-02, 7.8673e-03, 6.0877e-02, 2.3766e-02, 4.6624e-03,
3.0118e-02, 4.4001e-02, 3.6238e-02, 2.3062e-02, 1.0022e-02,
3.9588e-02, -5.0600e-02, -4.2888e-02, -5.6828e-02, 5.7624e-02,
3.5809e-02, 1.5456e-02, -4.3075e-02, 4.2598e-02, 1.2322e-02,
4.3931e-03, 3.3563e-02, -2.6731e-02, -1.7736e-02, -9.4264e-03,
-5.6290e-02, 1.7296e-02, -2.3789e-02, 4.1342e-02, -3.4548e-02,
4.7820e-02, -5.5135e-02, -1.3493e-03, 5.0213e-02, 1.0269e-02,
3.5276e-03, 1.3163e-02, -4.8946e-03, -2.7206e-02, 5.8637e-03,
-2.2221e-02, -4.0419e-02, 6.0872e-02, 2.9829e-02, -3.6254e-02,
2.1709e-02, 2.4254e-02, -4.1526e-03, 4.9024e-02, -8.2717e-02,
1.9687e-02, -1.4811e-02, 3.0634e-02, 2.1470e-03, -5.7557e-02,

```

2.0367e-02, -1.1346e-02, -2.4280e-02, 1.8192e-02, 4.8887e-02,
3.8458e-02, 7.4426e-03, 2.0054e-02, 1.5115e-02, -1.7124e-02,
-3.7070e-02, 2.8116e-02, -1.8716e-02, 3.1474e-02, -1.9053e-02,
1.8387e-02, -4.2874e-02, 4.4328e-02, 3.3000e-02, -2.2720e-02,
-2.5909e-02, 5.0906e-02, 5.5701e-03, -3.5031e-02, -2.8244e-02,
-1.8368e-02, -2.3169e-02, 1.1115e-02, -3.2635e-02, 2.6939e-02,
-6.4069e-02, -2.0338e-02, 2.6279e-02, -5.5624e-02, 2.3424e-02,
-3.4158e-02, 2.7542e-02, -1.0464e-02, 5.0620e-02, 2.1716e-03,
-1.3348e-02, -7.1508e-03, -2.9609e-02, 1.5244e-02, 1.9006e-02,
-3.2739e-02, -4.1901e-02, 2.5726e-02, 4.2998e-02, -2.9792e-02,
-6.9167e-02, -6.5190e-02, 3.9204e-02, 7.0947e-03, 1.2748e-02,
1.7660e-02, -1.9985e-02, 3.6660e-02, 2.2788e-02, -6.5180e-02,
3.5620e-03, -7.6511e-03, 9.5855e-03, -1.1818e-02, -6.7684e-02,
1.9007e-02, -2.8801e-02, 2.0840e-02, 3.0390e-02, 1.8043e-02,
-4.2648e-02, 8.2709e-02, 2.8057e-02, -5.0531e-02, -5.3592e-02,
-6.8525e-02, -4.1827e-03, 6.1828e-02, 3.9369e-02, 1.9500e-02,
1.4696e-02, -1.1128e-02, 2.9017e-02, 1.1276e-02, 2.0429e-03,
-5.7903e-02, -2.6585e-02, 2.5519e-02, 3.2119e-02, -4.2856e-02,
-5.8134e-02, 4.5961e-03, 8.0654e-02, 2.5961e-03, -7.0083e-02,
-2.6660e-02, 6.9048e-02, 7.9891e-02, 6.4292e-02, -2.7861e-02,
7.4235e-02, -5.3219e-02, 4.9632e-02, -3.8443e-02, 4.4696e-02,
-3.8839e-02, 3.8918e-02, 6.0243e-02, 3.6624e-02, 3.5824e-02,
-4.9702e-02, 3.3332e-02, -2.9623e-02, -3.9630e-02, 3.0119e-02,
-2.6195e-02, -5.4578e-02, -2.0544e-02, 4.3132e-02, 5.0108e-03,
4.0142e-02, 4.7972e-02, 2.9642e-02, -3.5840e-03, -2.1168e-02,
5.5871e-03, 2.5286e-02, -4.7284e-02, -2.8481e-02, 2.1560e-02,
1.0271e-02, 3.1470e-02, 3.2887e-02, -4.0321e-02, -1.3623e-02,
-2.8366e-02, -1.0799e-02, -8.5875e-03, -4.1140e-03, -3.8576e-02,
6.1840e-02, 4.2253e-02, -4.5010e-02, -3.1645e-02, 1.9532e-02,
2.4396e-02, 1.0240e-02, 1.5720e-02, -1.2269e-03, 1.7609e-02,
1.3584e-02, 1.6965e-02, -5.5099e-02, -1.6225e-02, -2.5352e-04,
-3.9528e-02, -3.7996e-02, 5.1684e-04, 1.8905e-02, -4.5795e-02,
5.0704e-02, 1.2544e-02, 3.8392e-02, 5.7593e-02, 4.7933e-02,
-6.1473e-02, 4.2064e-02, -3.0060e-02, -5.8234e-02, 2.5630e-02,
-6.3330e-02, -3.4405e-02, -2.0971e-02], device='cuda:0')

```

定义下游任务模型

```

In [27]: # 线性层特征数量
768*6+10

```

Out[27]: 4618

```

In [28]: # 测试取数
matrix = torch.randn(2, 9)
matrix
matrix[:,0:3]
matrix[:,3:6]
matrix[:,6:9]

```

```

Out[28]: tensor([[ -0.1789,  0.6229,  0.3913, -2.3891, -0.4337, -1.1798,  0.1729,  0.437
          9,
                -2.0880],
               [ 0.5925,  0.8063, -2.7395, -0.4684, -0.3303,  0.2800, -0.1441, -0.966
          5,
                -1.3249]])

```

```

Out[28]: tensor([[ -0.1789,  0.6229,  0.3913],
               [ 0.5925,  0.8063, -2.7395]])

```

```
Out[28]: tensor([[ -2.3891,  -0.4337,  -1.1798],
                 [-0.4684,  -0.3303,   0.2800]])
```

```
Out[28]: tensor([[ 0.1729,   0.4379,  -2.0880],
                 [-0.1441,  -0.9665,  -1.3249]])
```

```
In [32]: # 定义下游任务模型
# loader: y,X,Description_1,Description_2,Description_3,Method_1,Method_2,Method_3
# 编码: 'input_ids', 'token_type_ids', 'attention_mask']
class CombinedNetwork(torch.nn.Module):
    def __init__(self):
        super().__init__()
        self.fc1 = torch.nn.Linear(4618, 1024)
        self.act1 = torch.nn.ReLU()
        self.fc2 = torch.nn.Linear(1024, 256)
        self.act2 = torch.nn.ReLU()
        self.fc3 = torch.nn.Linear(256, 1)

    def forward(
        self,
        Description_1,
        Description_2,
        Description_3,
        Method_1,
        Method_2,
        Method_3,
        tabular_data,
    ):
        # 使用预训练模型抽取数据特征
        text_D1 = pretrained(
            input_ids=Description_1[:, 0:512],
            attention_mask=Description_1[:, 1024:1536],
            token_type_ids=Description_1[:, 512:1024],
        )
        text_D2 = pretrained(
            input_ids=Description_2[:, 0:512],
            attention_mask=Description_1[:, 1024:1536],
            token_type_ids=Description_1[:, 512:1024],
        )
        text_D3 = pretrained(
            input_ids=Description_3[:, 0:512],
            attention_mask=Description_1[:, 1024:1536],
            token_type_ids=Description_1[:, 512:1024],
        )

        text_M1 = pretrained(
            input_ids=Method_1[:, 0:512],
            attention_mask=Description_1[:, 1024:1536],
            token_type_ids=Description_1[:, 512:1024],
        )
        text_M2 = pretrained(
            input_ids=Method_2[:, 0:512],
            attention_mask=Description_1[:, 1024:1536],
            token_type_ids=Description_1[:, 512:1024],
        )
        text_M3 = pretrained(
            input_ids=Method_3[:, 0:512],
            attention_mask=Description_1[:, 1024:1536],
            token_type_ids=Description_1[:, 512:1024],
        )
```

```

        combined_features = torch.cat(
            (
                tabular_data,
                text_D1.last_hidden_state[:, 0],
                text_D2.last_hidden_state[:, 0],
                text_D3.last_hidden_state[:, 0],
                text_M1.last_hidden_state[:, 0],
                text_M2.last_hidden_state[:, 0],
                text_M3.last_hidden_state[:, 0],
            ),
            dim=1,
        )
        out = self.act1(self.fc1(combined_features))
        out = self.act2(self.fc2(out))
        out = self.fc3(out)
        return out

model = CombinedNetwork()
# 设定计算设备
model.to(device)

```

```

Out[32]: CombinedNetwork(
  (fc1): Linear(in_features=4618, out_features=1024, bias=True)
  (act1): ReLU()
  (fc2): Linear(in_features=1024, out_features=256, bias=True)
  (act2): ReLU()
  (fc3): Linear(in_features=256, out_features=1, bias=True)
)

```

训练和评估

```

In [33]: # 训练
from transformers.optimization import get_scheduler
import evaluate

# Loader
# y,X,Description_1,Description_2,Description_3,Method_1,Method_2,Method_3
def train():
    # 定义优化器
    optimizer = torch.optim.AdamW(model.parameters(), lr=5e-4)
    # 定义 loss 函数
    criterion = torch.nn.MSELoss()
    # 定义学习率调节器
    scheduler = get_scheduler(
        name="linear",
        num_warmup_steps=0,
        num_training_steps=len(loader),
        optimizer=optimizer,
    )
    # 将模型切换到训练模式
    model.train()
    # 按批次遍历训练集中的数据
    for i, data in enumerate(loader):
        if i > 20:
            break
        # 模型计算

```

```

        out = model(
            Description_1=data[2],
            Description_2=data[3],
            Description_3=data[4],
            Method_1=data[5],
            Method_2=data[6],
            Method_3=data[7],
            tabular_data=data[1],
        )
        # 计算loss并使用梯度下降法优化模型参数
        loss = criterion(out, data[0].unsqueeze(1))
        optimizer.zero_grad()
        loss.backward()
        optimizer.step()
        scheduler.step()

# 按轮次计算R2
#     with torch.no_grad():
#         r2 = evaluate.load("r_squared")
#         r2.add_batch(predictions=out, references=data[0].unsqueeze(1))
# with torch.no_grad():
#     print(r2.compute())

# 在批次中输出R2，便于观察过程
with torch.no_grad():
    r2 = evaluate.load("r_squared")
    result = r2.compute(predictions=out, references=data[0].unsqueeze(1))
    lr = optimizer.state_dict()["param_groups"][0]["lr"]
    print(i, loss.item(), result, lr)

train()

import evaluate
# 设置模型为评估模式
model.eval()
# 禁用梯度计算
with torch.no_grad():
    predicted = model(combined_features) # 得到模型的输出
    predicted=predicted.squeeze(dim=1) # 移除第二个维度
    # 因为evaluate.combine有在回归任务有点问题，因此引入循环
    # 可能是mse返回dict，而r2返回标量，数据类型不一致
    for i in ["mse", "r_squared"]:
        result=evaluate.load(i)
        result.compute(predictions=out, references=data[0].unsqueeze(1))

```

```

0 25243.6328125 -0.004 0.0004875
1 39575.015625 -0.014 0.000475
2 21442.859375 -0.014 0.0004625
3 31315.21484375 -0.277 0.00045000000000000004
4 11896.28125 -0.248 0.0004375
5 9334.63671875 -0.038 0.000425
6 36501.28125 -0.038 0.0004125
7 24619.984375 -0.091 0.0004
8 51342.69921875 -0.007 0.00038750000000000004
9 52586.1015625 -0.032 0.000375
10 22403.240234375 -0.085 0.0003625
11 19013.5546875 -0.193 0.00035
12 50143.015625 -0.008 0.0003375
13 75960.03125 -0.093 0.00032500000000000004
14 34534.32421875 -0.048 0.0003125
15 23440.7734375 -0.116 0.0003
16 32682.828125 -0.47 0.0002875
17 24025.5234375 -0.004 0.000275
18 22701.36328125 -0.006 0.00026250000000000004
19 21046.802734375 -0.019 0.00025
20 30709.419921875 0.001 0.0002375

```

```

Out[33]: CombinedNetwork(
  (fc1): Linear(in_features=4618, out_features=1024, bias=True)
  (act1): ReLU()
  (fc2): Linear(in_features=1024, out_features=256, bias=True)
  (act2): ReLU()
  (fc3): Linear(in_features=256, out_features=1, bias=True)
)

```

```

-----
NameError                                Traceback (most recent call last)
Cell In[33], line 63
    61 # 禁用梯度计算
    62 with torch.no_grad():
--> 63     predicted = model(combined_features) # 得到模型的输出
    64     predicted=predicted.squeeze(dim=1) # 移除第二个维度
    65     # 因为evaluate.combine有在回归任务有点问题，因此引入循环
    66     # 可能是mse返回dict，而r2返回标量，数据类型不一致

NameError: name 'combined_features' is not defined

```