```
In [ ]: import torch as t
        import numpy as np
        import torch.nn as nn
        import torch.nn.functional as F
        import torch.optim as optim
        #Author: 坚定的唯物主义鼠鼠
In [ ]: data=np.genfromtxt('./data/data_处理后.csv',delimiter=',',dtype='float32')
        data=data[1:,:]
        np.random.set_state(np.random.get_state())
        data=np.random.permutation(data)
        tu=t.from_numpy(data[:519,2:])
        tc=t.from_numpy(data[:519,1:2])
        tc=F.one_hot(tc.long().view(-1),2).float()
        vu=t.from_numpy(data[519:,2:])
        vc=t.from_numpy(data[519:,1:2])
        vc=F.one_hot(vc.long().view(-1),2).float()
In [ ]: class Net(nn.Module):
            def __init__(self, *args, **kwargs) -> None:
                super().__init__(*args, **kwargs)
                self.model=nn.Sequential(
                    nn.Linear(30,256),nn.ReLU(),
                    nn.Linear(256,64),nn.ReLU(),
                    nn.Linear(64,2)
            def forward(self,x):
                return self.model(x)
        def train(epoches, model, opt, lossfn, traindata, trainlabel):
            for epoch in range(epoches):
                opt.zero_grad()
                output=model(traindata)
                loss=lossfn(output,trainlabel)
                loss.backward()
                opt.step()
                if epoch%1000==0:
                    print('epoch:{},loss:{}'.format(epoch,loss.item()))
In [ ]: model=Net()
        epochs=10000
        optimizer=optim.SGD(model.parameters(),lr=0.0001)
In [ ]: train(epochs, model, optimizer, nn. CrossEntropyLoss(), tu, tc)
        epoch:0,loss:24.11726188659668
        epoch:1000,loss:0.21015366911888123
        epoch:2000,loss:0.2041037231683731
        epoch:3000,loss:0.20008163154125214
        epoch:4000,loss:0.19666464626789093
        epoch:5000,loss:0.19382183253765106
        epoch:6000,loss:0.19079194962978363
        epoch:7000,loss:0.1881030946969986
        epoch:8000,loss:0.1857258379459381
        epoch:9000,loss:0.18392398953437805
```

Accuracy: 96.000000 % 总数: 50.000000 正确数: 48.000000