

## Neural Networks

LATEST SUBMISSION GRADE

100%

1. Consider the following neural network model or class:

1 / 1 point

```
1 class Net(nn.Module):
2     def __init__(self,D_in,H,D_out):
3         super(Net,self).__init__()
4         self.linear1=nn.Linear(D_in,H)
5         self.linear2=nn.Linear(H,D_out)
6
7
8     def forward(self,x):
9         x=torch.sigmoid(self.linear1(x))
10        x=torch.sigmoid(self.linear2(x))
11        return x
```

How many hidden neurons does the following neural network object have?

```
1 model=Net(1,3,1)
```

3

✓ Correct  
correct

2. What's wrong with the following function :

1 / 1 point

```
1 ]:
2 class Net(nn.Module):
3     def __init__(self,D_in,H,D_out):
4         super(Net,self).__init__()
5         self.linear1=nn.Linear(D_in,H)
6         self.linear2=nn.Linear(H,D_out)
7
8
9     def forward(self,x):
10        x=torch.sigmoid(linear1(x))
11        x=torch.sigmoid(linear2(x))
12        return x
```

- ☒ you did not call self.linear1(x) and self .linear2(x)
- ☐ nothing

✓ Correct  
correct