

MLP

```
class MLP:
    def __init__(self, layers):
        self.layers = layers

    def __call__(self, x):
        for layer in self.layers:
            x = layer(x)
        return x
```

Layers

```
class Layer():  
    def __init__(self):  
        self.params = []  
        self.grads = []  
  
    def __call__(self, x):  
        return x  
  
    def backward(self, grad):  
        return grad  
  
    def update(self, params):  
        return
```