```
def get activation(self, outut val):
def fire(self):
def update weights(self, eta):
```

```
if layer num+1 != len(self.structure)-1:
                network result.append(node.fire())
def back prop(self, output, desired output):
```

```
for node in self.structure[current layer-1]:
            current layer -= 1
        for layer index, layer in enumerate(self.structure):
            print(f"----layer {layer index}")
input1 = Node([], [])
hidden1 = Node([input1, input2], [0.3, 0.3])
hidden2 = Node([input1, input2], [0.3, 0.3])
output = Node([hidden1, hidden2], [0.8, 0.8])
net = Network([[input1, input2], [hidden1, hidden2], [output]])
net.print weights()
net.print weights()
```

```
input1 = Node([], [])
input2 = Node([], [])
hidden1 = Node([input1, input2], [0.8, 0.1])
hidden2 = Node([input1, input2], [0.5, 0.2])
output = Node([hidden1, hidden2], [0.2, 0.7])
net = Network([[input1, input2], [hidden1, hidden2], [output]], .1)
ff = net.feed forward([1, 3])
net.back prop(ff[0], 0.95)
```