

```
1 using System;
2 using System.Collections.Generic;
3 using System.Linq;
4 using System.Text;
5 using System.Threading.Tasks;
6
7 namespace Neural_Network
8 {
9     class Synapse
10     {
11         public Neuron from;
12         public Neuron to;
13         public double voltage = 0.0;
14         public double weight = 0.0; //only to be set by "to" neuron
15
16         public Synapse(Neuron from, Neuron to) {
17             this.from = from;
18             this.to = to;
19         }
20     }
21 }
22
```