Explanation of modified points (required)
TODO: 1. Write unipolar sigmoid function (lambda = 1).
```
double y = 0.0;
double lambda = 1.0;
y = 1 / (1 + exp(-lambda * x));
```

TODO: 2. Calculate the inner product.
```
double inner = 0.0;
for(size_t i = 0; i < length; i++){
  inner = inner + v1[i] * v2[i];
}
```

TODO: 3. Calculate the error of the output layer for backpropagation.
```
mlp->output_errors[i] = diff * (output - (output * output));
error += (diff * diff) / 2.0;
```

TODO:: 4. Update weight based on backpropagation.
```
weights[i][j] = weights[i][j] + learning_rate * errors[i] * inputs[j];
```

Discussion (if needed)

Comments (if needed)