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PRAK-SCPK IF E

```
p1 = [1;1];
p2 = [1;0];
p3 = [0;1];
p4 = [0;0];
p = [p1 p2 p3 p4];
```

Pendefenisian pola input

```
t1 = 1;
t2 = 1;
t3 = 1;
t4 = 0;
t = [t1 t2 t3 t4];
```

Pendefenisian target tiap variabel

```
net = newp([0 1;0 1],1);
```

Membuat *perceptron* yang dapat mengenali pola fungsi logika "*or*" dengan dua (2) variabel x1 dan x2

```
bobot = [-1 1];
net.IW{1,1} = bobot;
```

Pendefinisian bobot awal

```
bias =[1];
net.b{1} = bias;
```

Pendefinisian bias awal *b*=[1]

```
y = sim(net,p);
```

Output

```
net = train(net,p,t)
```

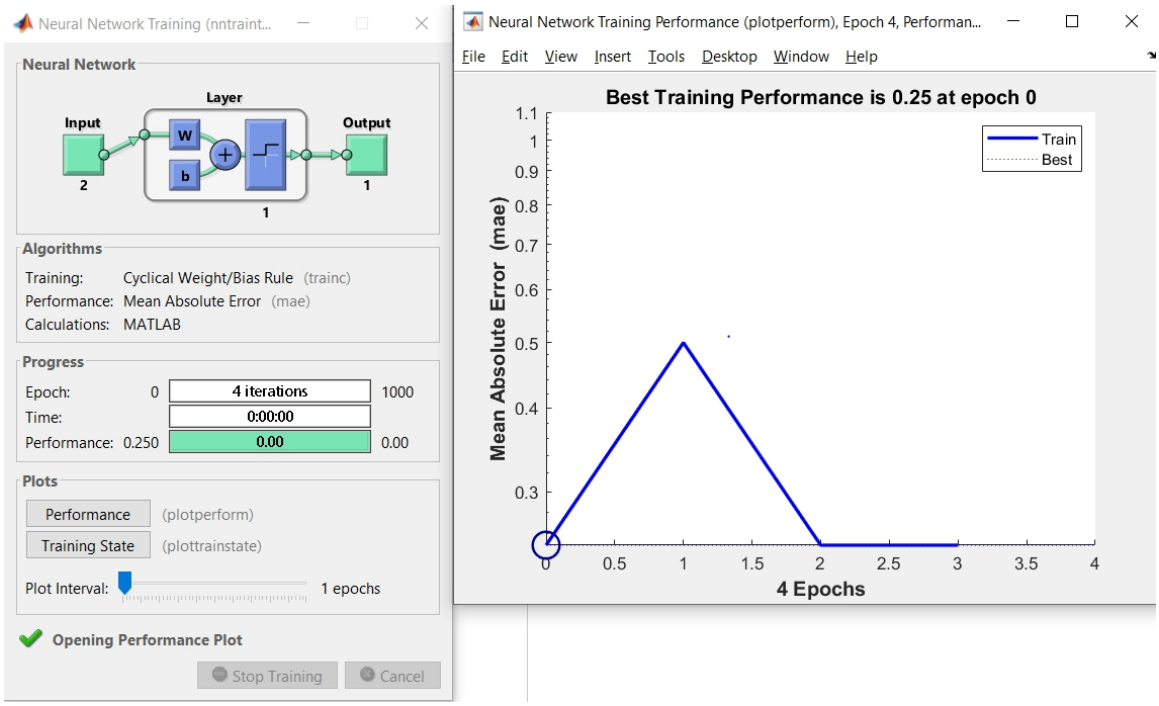
Perintah untuk menjalankan pelatihan *perceptron*

```
disp (net.IW{1,1})
```

Menampilkan nilai bobot optimal

```
disp (net.b{1})
```

Menampilkan nilai bias optimal


Neural Network Training (nntraint...
Neural Network
Layer
Input
W
b
Output
2
1
1
Algorithms
Training: Cyclical Weight/Bias Rule (trainc)
Performance: Mean Absolute Error (mae)
Calculations: MATLAB
Progress
Epoch: 0 4 iterations 1000
Time: 0:00:00
Performance: 0.250 0.00 0.00
Plots
Performance (plotperform)
Training State (plottrainstate)
Plot Interval: 1 epochs
Opening Performance Plot
Stop Training
Cancel
Neural Network Training Performance (plotperform), Epoch 4, Performan...
File Edit View Insert Tools Desktop Window Help
Best Training Performance is 0.25 at epoch 0
Train
Best
Mean Absolute Error (mae)
4 Epochs