```
# -*- coding: utf-8 -*-
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import numpy as np
hidden_weights=np.array([[20, -20],
                         [20, -20]])
hidden_b=np.array([-10,+30])
out_weights=np.array([20,20])
out_b=np.array([-30])
X = np.array([[0,0], [0,1], [1,0], [1,1]])
print("Eingabe:")
print(X)
def threshold(x):
    return (x>0).astype(int)
def sigmoid(x):
    return np.round(1/(1+ np.exp(-x)),2)
# --- code ab hier ---
net = np.dot(X, hidden_weights)
net_b = net+hidden_b
h=sigmoid(net_b)
result=np.dot(h,out_weights)+out_b
print("Ausgabe:")
print(sigmoid(result))
```