f(x) =

a01 = +1

|  |  |  |  |
| --- | --- | --- | --- |
| x1 | x2 | y | h( x1, x2) |
| 1 | 1 | 0 | 0.0278 |
| 1 | 0 | 1 | 0.9549 |
| 0 | 1 | 1 | 0.9618 |
| 0 | 0 | 0 | 0.0262 |

w112 = -16.45

w212 = 21.27

w011 = 6.445 w021 = 0.426

w111 = -15.62 w121 = -2.139

w211 = 16.060 w221 = 2.025

w211

w221

w121

w021

w111

w011

z = ∑

z = ∑

w212

w112

a22 = f(z)

f

a12 = f(z)

f

z = ∑

h( x1, x2)= ak3

a13 = f(z)

f

y

z = where:

K = # of neurons in current layer

l = current layer

e = destination neuron in next layer

a11 = x1

a21 = x2

Total Error: 0.004955