f(x) =

a01 = +1

|  |  |  |  |
| --- | --- | --- | --- |
| x1 | x2 | y | h( x1, x2) |
| 1 | 1 | 0 | 0.61886 |
| 1 | 0 | 1 | 0.5992 |
| 0 | 1 | 1 | 0.60518 |
| 0 | 0 | 0 | 0.57489 |

z = where:

K = # of neurons in current layer

l = current layer

e = destination neuron in next layer

w011 = 0.592897

w021 =0.7841

w111 =0.78411 w121=0.788306

w211 = 0.784976

w221 = 0.71623

w112 = 0.76631

w212 = 0.78263

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

a11 = x1

a21 = x2