Επανάληψη 1

W1 = 0
W2 = 0

a = x1*w1 + x2*w2

Πλειάδα π1
(0,0) → 0
y’ = f(a) = f(x1*w1+x2*w2) = f(0*0 + 0*0) =f(0) = 0
$E_{\pi 1}$ = |y -y’| = 0-0=0

Πλειάδα π2
(0,1) → 1
y’ = f(a) = f(x1*w1+x2*w2) = f(0*0 + 1*0) =f(0) = 0
$E_{\pi 2}$ = |y -y’| = 1-0=1

Πλειάδα π3
(1,0) → 1
y’ = f(a) = f(x1*w1+x2*w2) = f(1*0+0*0) =f(0) = 0
$E_{\pi 2}$ = |y -y’| = 1-0=1

Πλειάδα π4
(1,1) → 1
y’ = f(a) = f(x1*w1+x2*w2) = f(1*0+1*0) =f(0) = 0
$E_{\pi 2}$ = |y -y’| = 1-0=1

E = $E_{\pi 1}$+$E_{\pi 2}$+$E_{\pi 3}$+$E_{\pi 4}$=0+1+1+1=3
E = ¾ = 0,75 =75%

Επανάληψη 2

W1 = 0.25
W2 = 0.25

a = x1*w1 + x2*w2

Πλειάδα π1
(0,0) → 0
y’ = f(a) = f(x1*w1+x2*w2) = f(0*0.25 + 0*0.25) =f(0) = 0
$E_{\pi 1}$ = |y -y’| = 0-0=0

Πλειάδα π2
(0,1) → 1
y’ = f(a) = f(x1*w1+x2*w2) = f(0*0.25 + 1*0.25) =f(0.25) = 0
$E_{\pi 2}$ = |y -y’| = 1-0=1

Πλειάδα π3
(1,0) → 1
y’ = f(a) = f(x1*w1+x2*w2) = f(1*0.25+0*0.25) =f(0.25) = 0
$E_{\pi 2}$ = |y -y’| = 1-0=1

Πλειάδα π4
(1,1) → 1
y’ = f(a) = f(x1*w1+x2*w2) = f(1*0.25+1*0.25) =f(0.50) = 1
$E_{\pi 2}$ = |y -y’| = 1-1=0

E = $E_{\pi 1}$+$E_{\pi 2}$+$E_{\pi 3}$+$E_{\pi 4}$=0+1+1+0=2
E = 2/4 = 0,50 =50%

Επανάληψη 3

W1 = 0.50
W2 = 0.50

a = x1*w1 + x2*w2

Πλειάδα π1
(0,0) → 0
y’ = f(a) = f(x1*w1+x2*w2) = f(0*0.50 + 0*0.50) =f(0) = 0
$E_{\pi 1}$ = |y -y’| = 0-0=0

Πλειάδα π2
(0,1) → 1
y’ = f(a) = f(x1*w1+x2*w2) = f(0*0.50 + 1*0.50) =f(0.50) = 1
$E_{\pi 2}$ = |y -y’| = 1-1=0

Πλειάδα π3
(1,0) → 1
y’ = f(a) = f(x1*w1+x2*w2) = f(1*0.50+0*0.50) =f(0.50) = 1
$E_{\pi 2}$ = |y -y’| = 1-1=0

Πλειάδα π4
(1,1) → 1
y’ = f(a) = f(x1*w1+x2*w2) = f(1*0.50+1*0.50) =f(1) = 1
$E_{\pi 2}$ = |y -y’| = 1-1=0

E = $E_{\pi 1}$+$E_{\pi 2}$+$E_{\pi 3}$+$E_{\pi 4}$=0+0+0+0=0