for threshold=1 , learning\_rate=0.1

input label prediction weight bias

[1 1] 1 0 [0.1 0.1] 0.1

[1 0] 1 1 [0.1 0.1] 0.1

[0 1] 1 1 [0.1 0.1] 0.1

[0 0] 0 1 [0.1 0.1] 0.0

final prediction for [0 0]:0

For threshold=2 , learning\_rate=0.01

input label prediction weight bias

[1 1] 1 0 [0.01 0.01] 0.01

[1 0] 1 1 [0.01 0.01] 0.01

[0 1] 1 1 [0.01 0.01] 0.01

[0 0] 0 1 [0.01 0.01] 0.0

[1 1] 1 1 [0.01 0.01] 0.0

[1 0] 1 1 [0.01 0.01] 0.0

[0 1] 1 1 [0.01 0.01] 0.0

[0 0] 0 0 [0.01 0.01] 0.0

final prediction for [0 0]:0

For threshold=5 , learning\_rate=0.02

input label prediction weight bias

[1 1] 1 0 [0.02 0.02] 0.02

[1 0] 1 1 [0.02 0.02] 0.02

[0 1] 1 1 [0.02 0.02] 0.02

[0 0] 0 1 [0.02 0.02] 0.0

[1 1] 1 1 [0.02 0.02] 0.0

[1 0] 1 1 [0.02 0.02] 0.0

[0 1] 1 1 [0.02 0.02] 0.0

[0 0] 0 0 [0.02 0.02] 0.0

[1 1] 1 1 [0.02 0.02] 0.0

[1 0] 1 1 [0.02 0.02] 0.0

[0 1] 1 1 [0.02 0.02] 0.0

[0 0] 0 0 [0.02 0.02] 0.0

[1 1] 1 1 [0.02 0.02] 0.0

[1 0] 1 1 [0.02 0.02] 0.0

[0 1] 1 1 [0.02 0.02] 0.0

[0 0] 0 0 [0.02 0.02] 0.0

[1 1] 1 1 [0.02 0.02] 0.0

[1 0] 1 1 [0.02 0.02] 0.0

[0 1] 1 1 [0.02 0.02] 0.0

[0 0] 0 0 [0.02 0.02] 0.0

final prediction for [0 0]:0

**Minimum Threshold:-2**