|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Threshold | Learning rate | Input | Output | Bias weights |
| 6 | 0.01 | [1,1]  [1,0]  [0,1]  [0,0] | 1  0  0  0 | [0, 0, 0]  [-0.01, 0, 0]  [-0.01, 0, 0.01]  [-0.02, 0, 0.01]  [-0.02, 0.01, 0.01 ]  [-0.02, 0.01, 0.02] |
| 5 | 0.10 | [1,1]  [1,0]  [0,1]  [0,0] | 1  0  0  0 | [0, 0, 0]  [-0.1, 0, 0]  [-0.1, 0, 0.1]  [-0.2, 0, 0.1]  [-0.2, 0.1, 0.1] |
| 5 | 0.89 | [1,1]  [1,0]  [0,1]  [0,0] | 1  0  0  0 | [0, 0, 0]  [-0.9, 0, 0]  [-0.9, 0, 0.9]  [-1.4, 0, 0.9] |

Conclusion

* Threshold for and function is 5.
* With the increasing the value of learning rate, the bias value decreases and that of weights increases