

If a positive point () is on the negative region of the line

First add 1 to it's coordinates (1,3) to (1,3,1)

Then perform this calculation

Line coordinate + learning rate * point coordinate then the new line is formed

Visa versa for Negative () point
Is on positive region
First add 1 to it's coordinates (1,3) to (1,3,1)
Then perform this calculation
Line coordinate - learning rate *point coordinate then the new line is formed

