**GRADIENT DESCENT**

**Initial Values:**

W: -2

B: -2

Eta: 1.0













Epoch:

As epoch increases for the initial values, the error index continuously decreases, approaching zero.

**Change in Learning Rate:**

Eta: 0.5









Observation:

Decreasing the learning rate gives higher error at much lower epoch.

**Change in Weights and Bias:**

W: -3

B: -3









Observation:

Increasing the weights and biases gives lower error at higher epoch.

**Adding new Inputs:**

