**Supportive problem**

Suppose that we are going to work on AND Gate problem. The gate returns if and only if both inputs are true.

|  |  |  |
| --- | --- | --- |
| X1 | X2 | Y |
| 0 | 0 | 0 |
| 0 | 1 | 1 |
| 1 | 0 | 1 |
| 1 | 1 | 1 |

**weights w1 = 0.6, w2 = 0.6, Threshold = 1 and Learning Rate n = 0.5 are given**

**Wi=Wi+N(actual-Prediction)\*Xi**