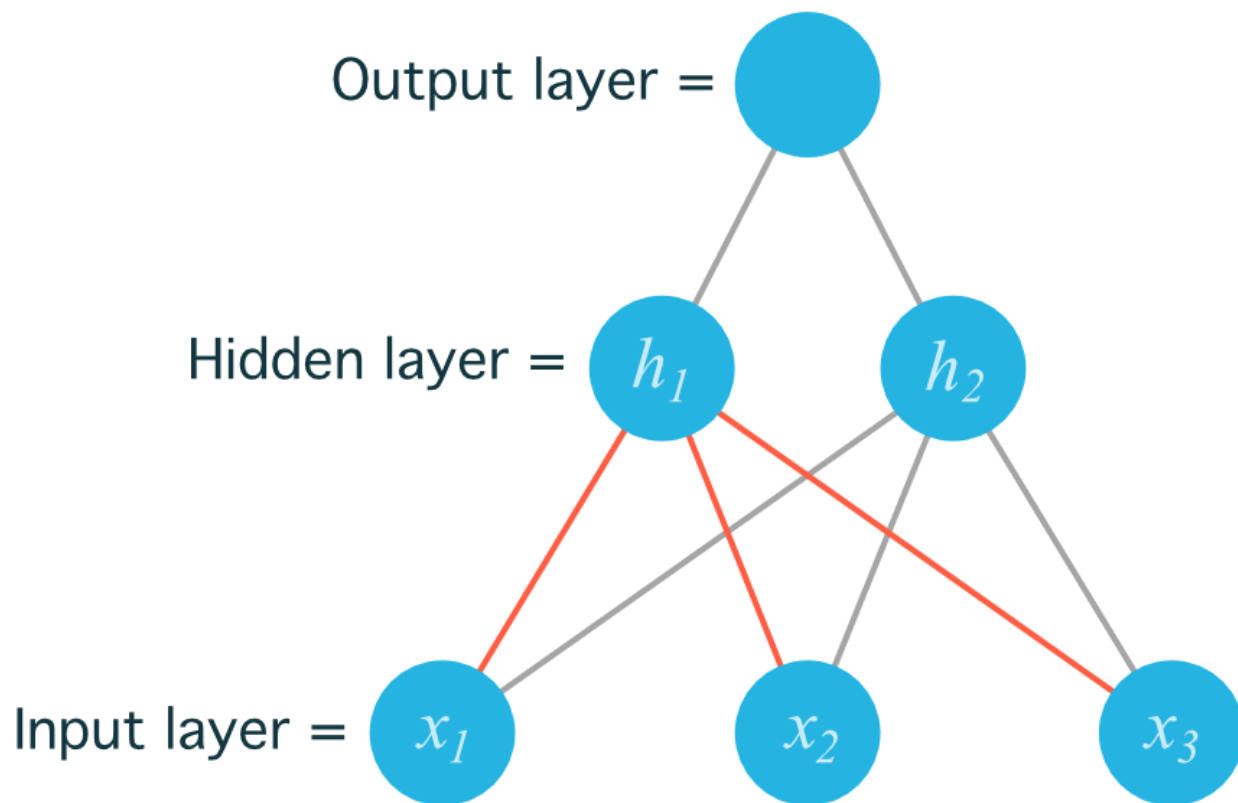For example, the following image shows our network, with its input units labeled x_1, x_2, and x_3, and its hidden nodes labeled h_1 and h_2:

Output layer =

Hidden layer = h_1 h_2

Input layer = x_1 x_2 x_3

The lines indicating the weights leading to h_1 have been colored differently from those leading to h_2 just to make it easier to read.

Now to index the weights, we take the input unit number for the $_i$ and the hidden unit number for the $_j$. That gives us

w_{11}