The function of hidden units is to represent information and features of the input, that is hidden layers aim to find out and fuse the refined and important representation of input to output.

f1 weights

[-11.8456, -11.9196],

[ -7.2450, -7.2462]

f1 bias

[ 5.0632, 10.4682]

f2 weights

[-14.9431, 13.5212]

f2 bias

[-6.0782]