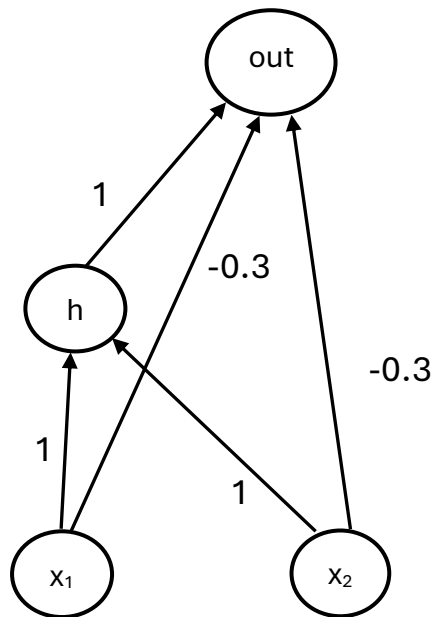


An XOR FFnet with just two neurons. Step activation function with 0.5 threshold.

Notice that the input in addition to going to the hidden neuron is also being routed to the output neuron. When we see transformers, this will be called “residual stream.”



$x_1$	$x_2$	$h$	$out$
0	0		
0	1		
1	0		
1	1		