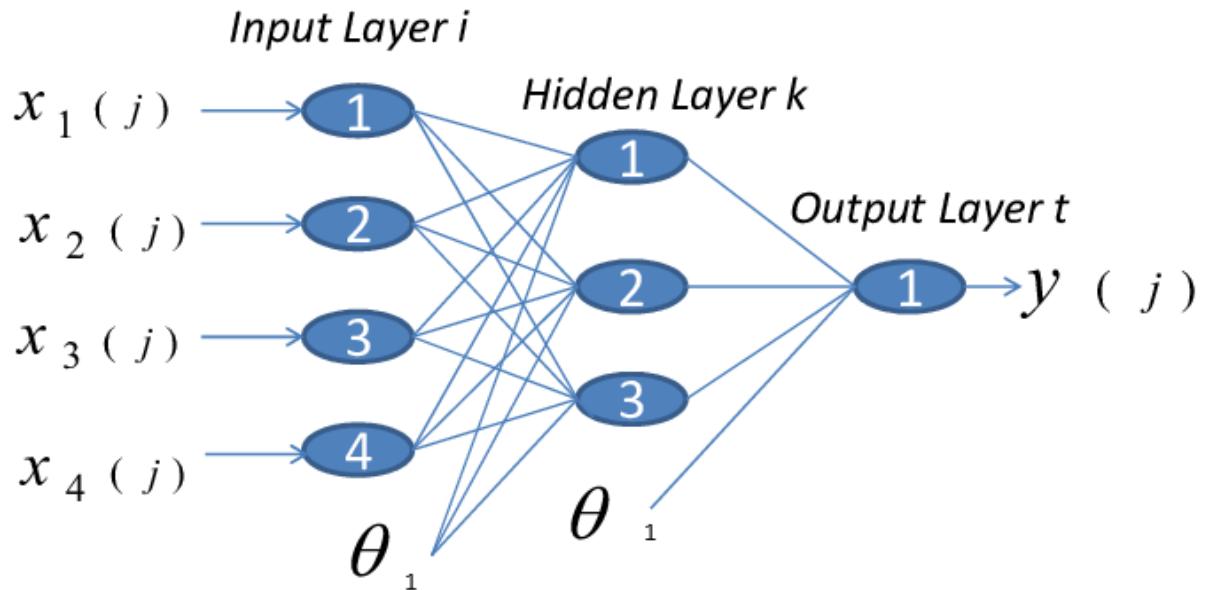


Self Check #13

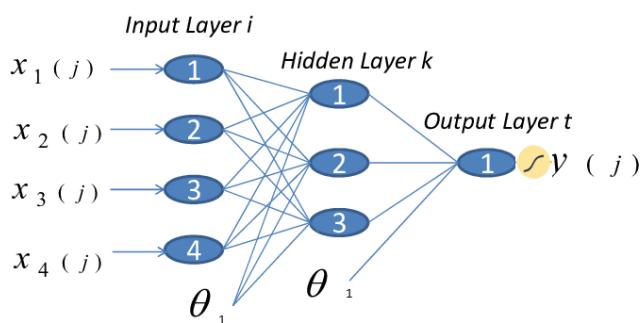
Maybe this isn't what was intended but I decided to find the relevant diagram online because I'm bad at drawing. I didn't want to draw and scan so I modified an existing one. Since this is a self-check I hope that's ok?

- 1) Four inputs and one output (regression) – the thetas are for the weights the 1 is bias.



A Data-Driven QoT Decision Approach for Multicast Connections in Metro Optical Networks - Scientific Figure on ResearchGate. Available from: https://www.researchgate.net/figure/Neural-network-with-4-input-units-hidden-layer-k-with-3-units-and-one-output_fig1_299599527 [accessed 22 Nov 2024]

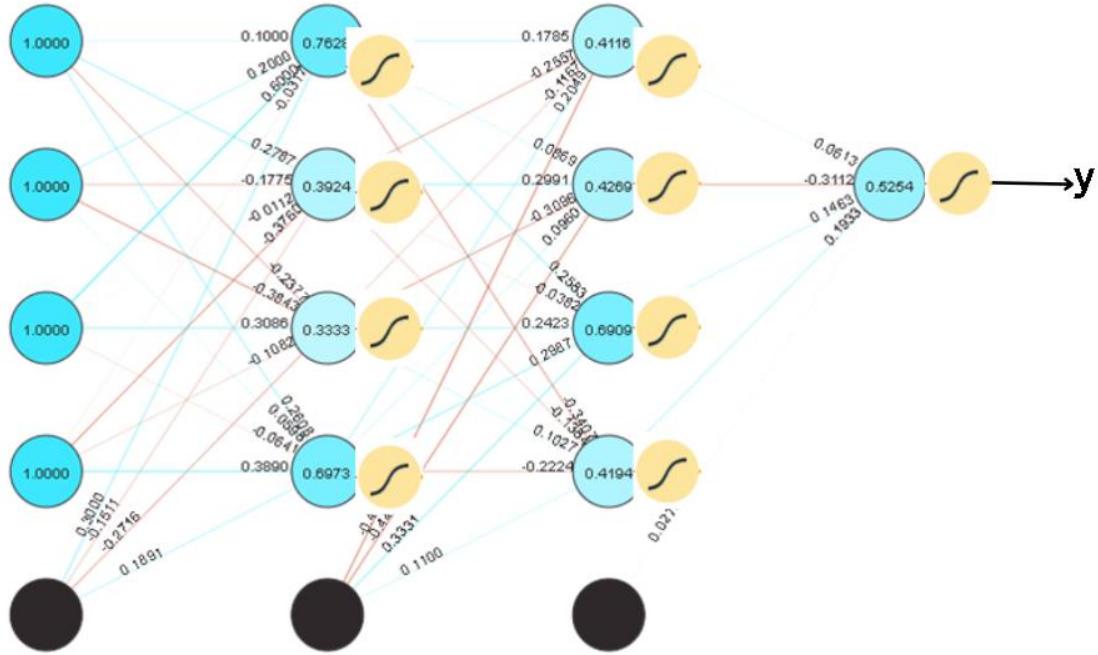
- 2) Same, but logistic



3) N logistic regressions with N =3

I did this one at this cool site, but it doesn't allow labels (Ignore the values):

<https://nnplayground.com/>



So I pasted in the sigmoids in Canva. I probably could have done a better job in Powerpoint, which just occurred to me.