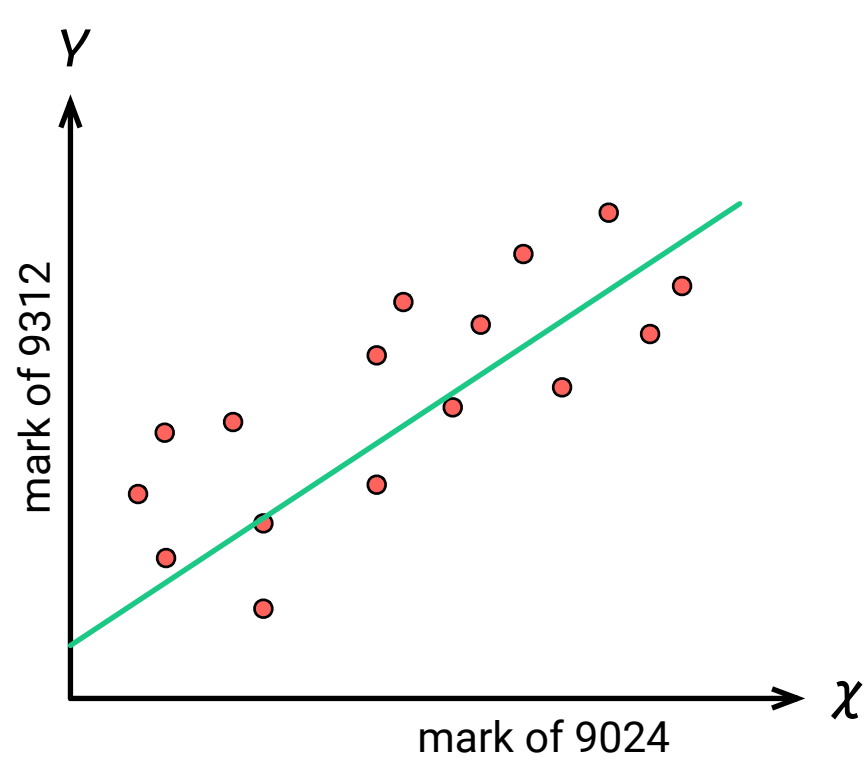
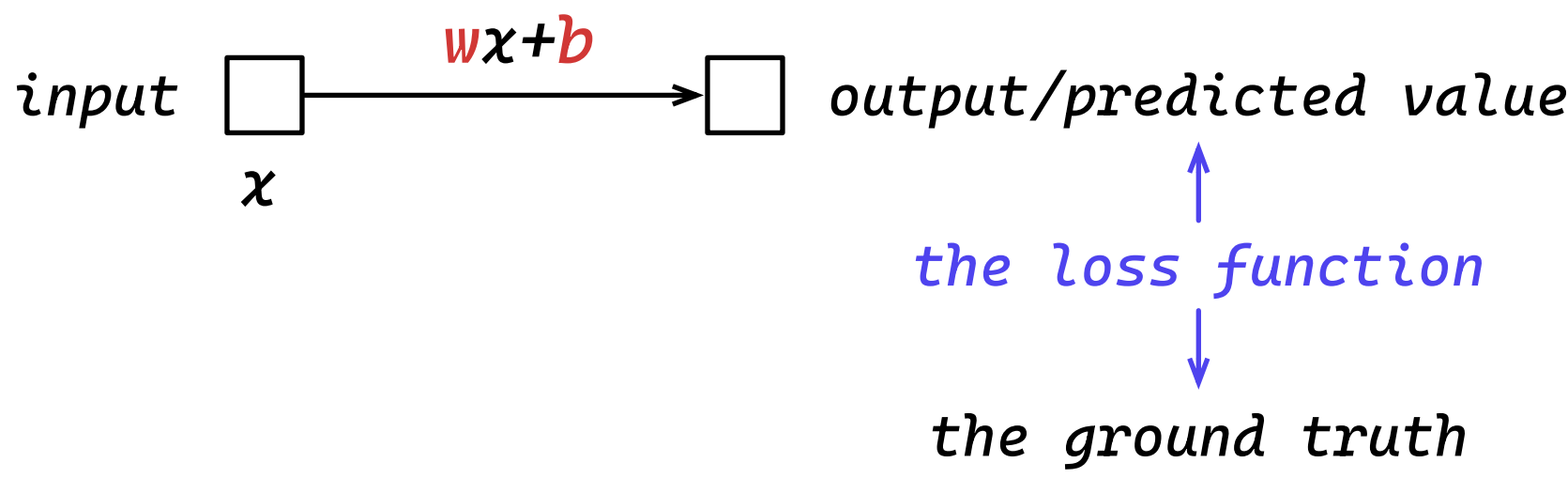
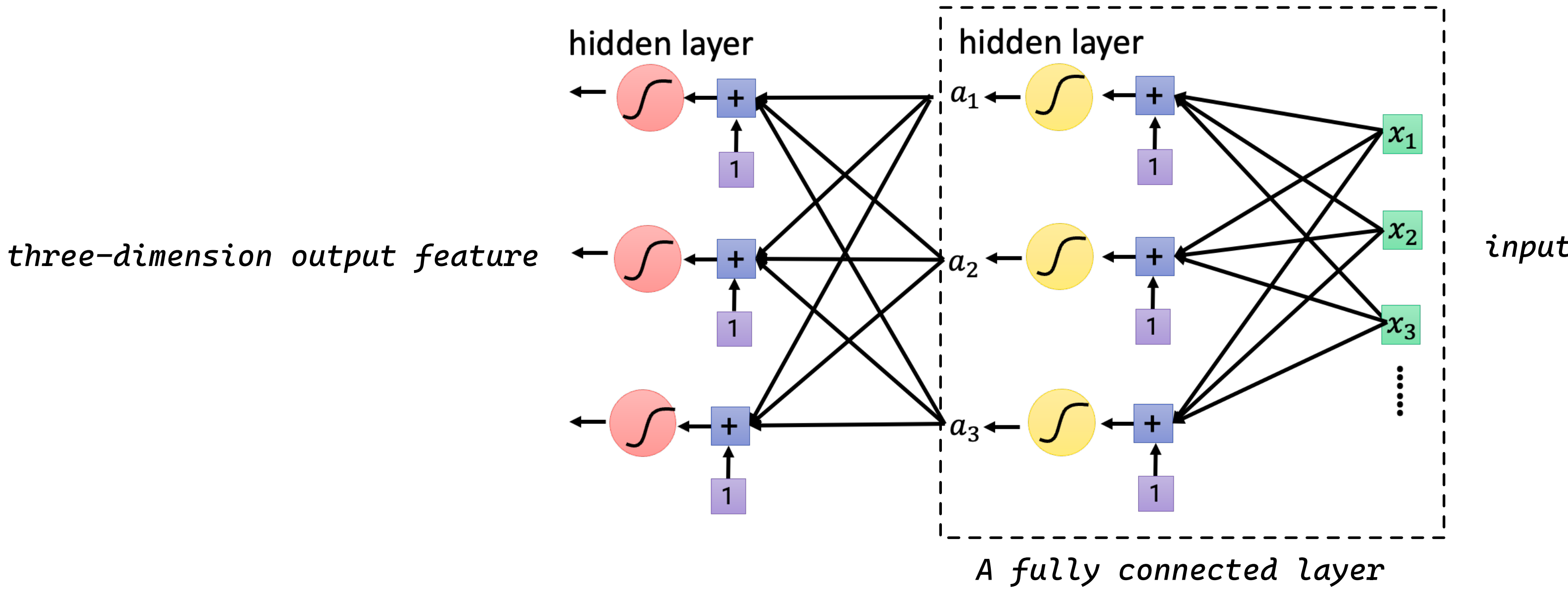


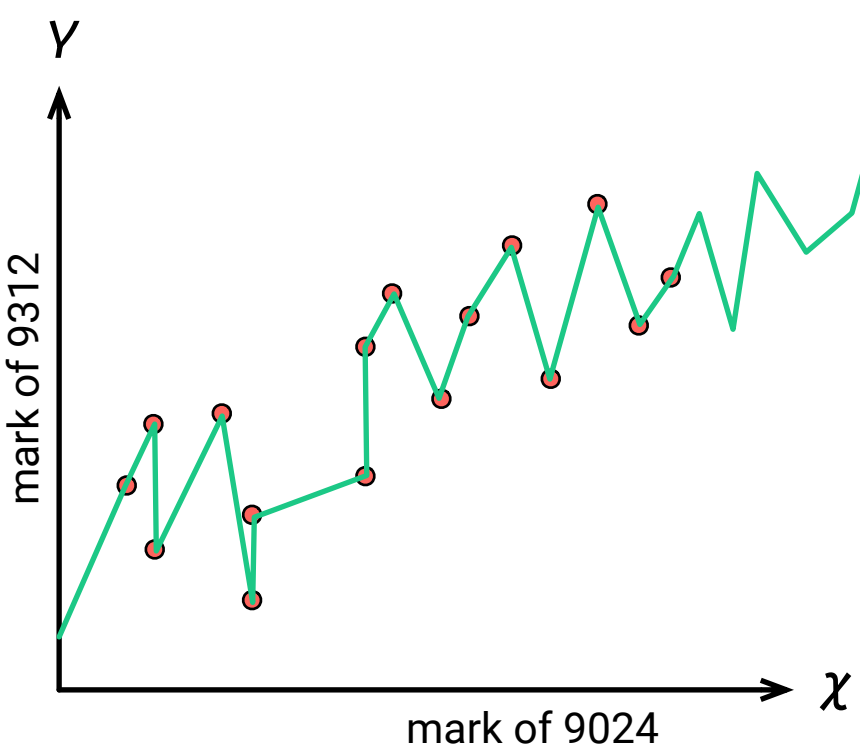
predict marks of 9312 based on 9024



sometimes you need a feature instead of a single value  
you need a complex function instead of a linear function

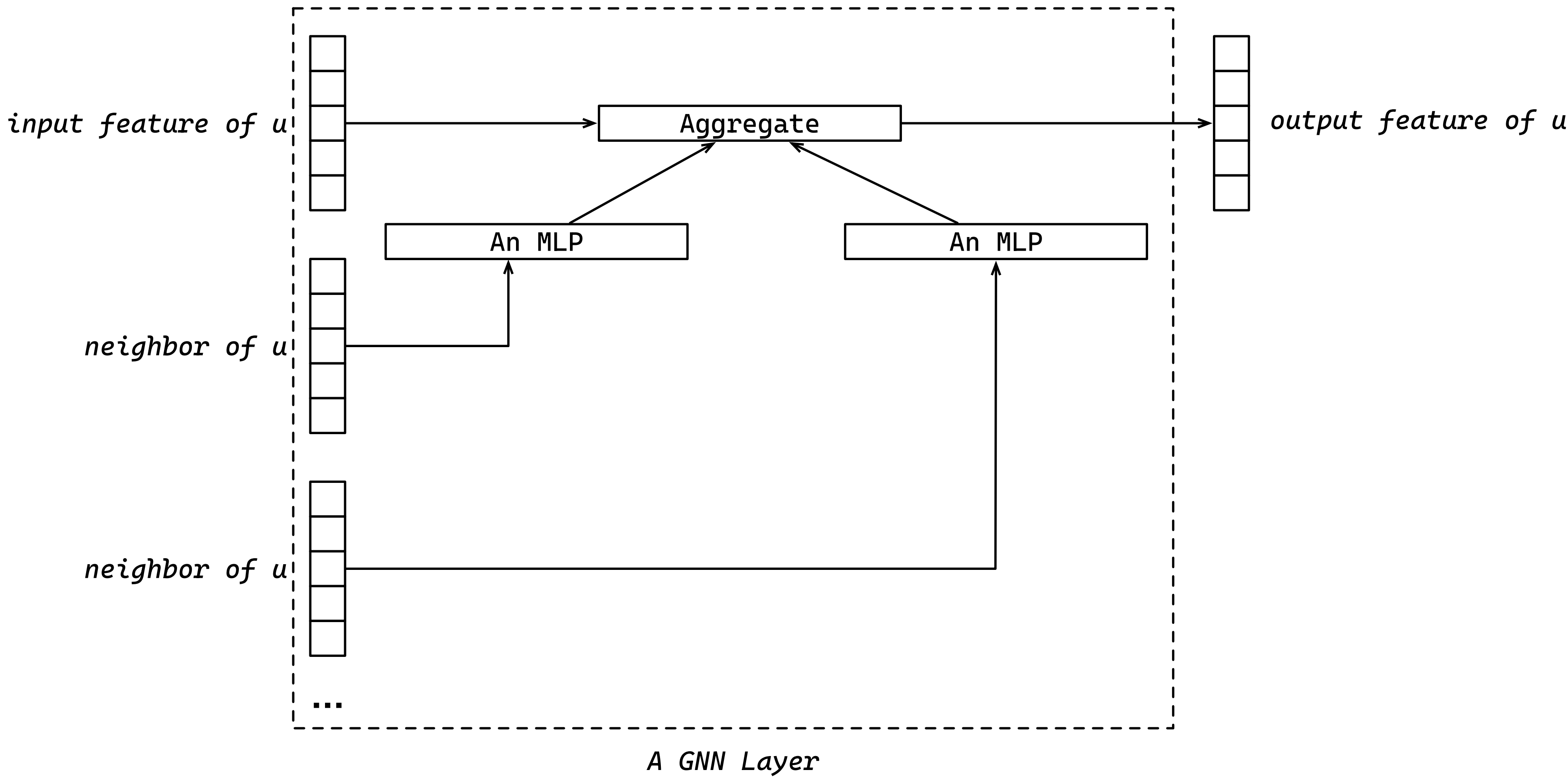


too many layers → over fitting

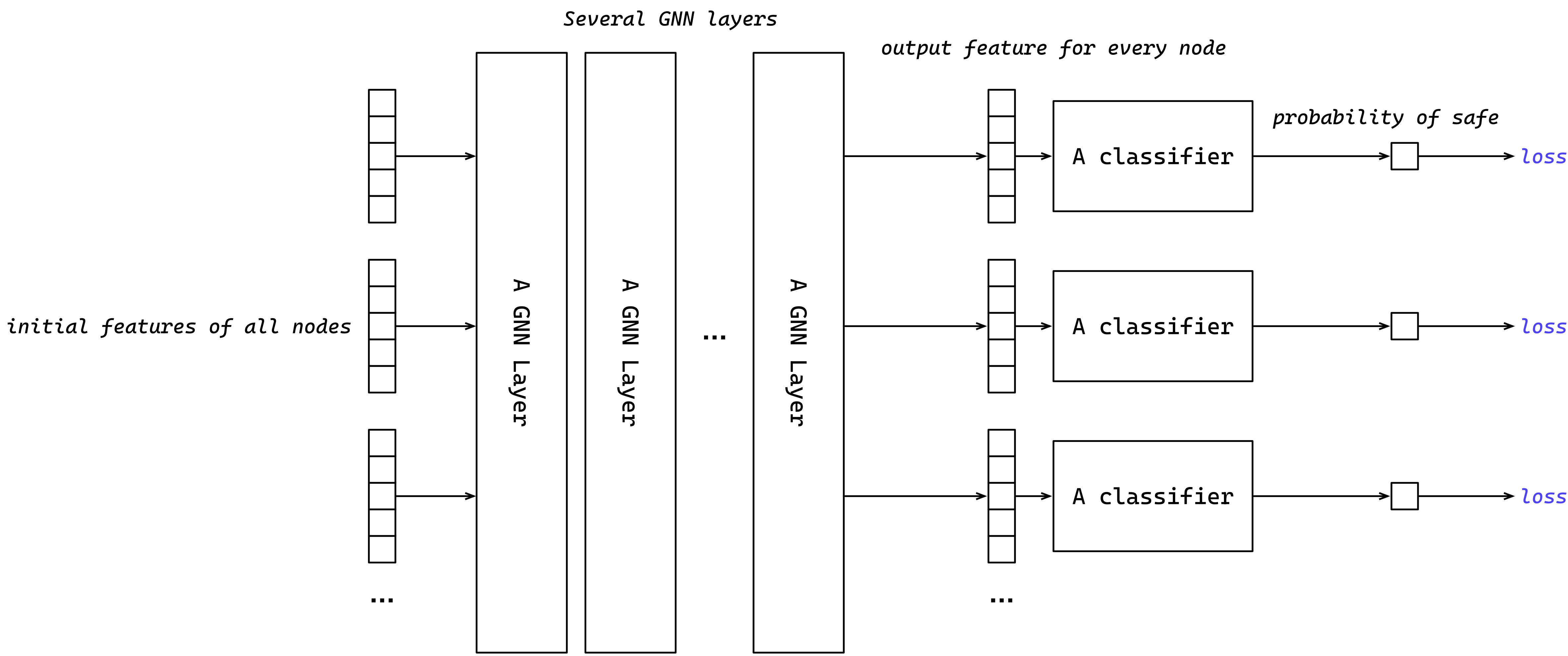


A MLP (multilayer perceptron) contains several fully connected layers

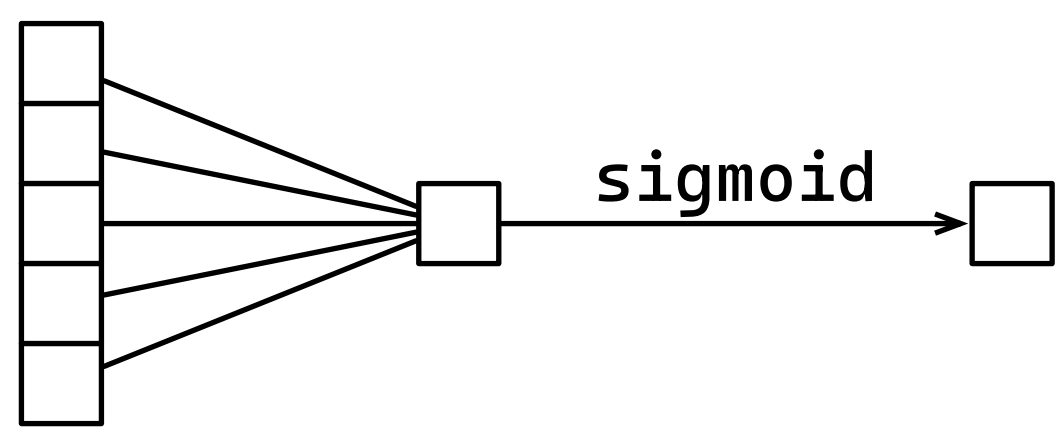
what happens for every node  $u$  in one GNN layer



The case to detect whether each node is safe or toxic



classifier: a fully connected layer



Sigmoid

$$\sigma(x_i) = \frac{1}{1 + e^{-x_i}}$$

- Used only when you want to restrict the range of your embeddings

