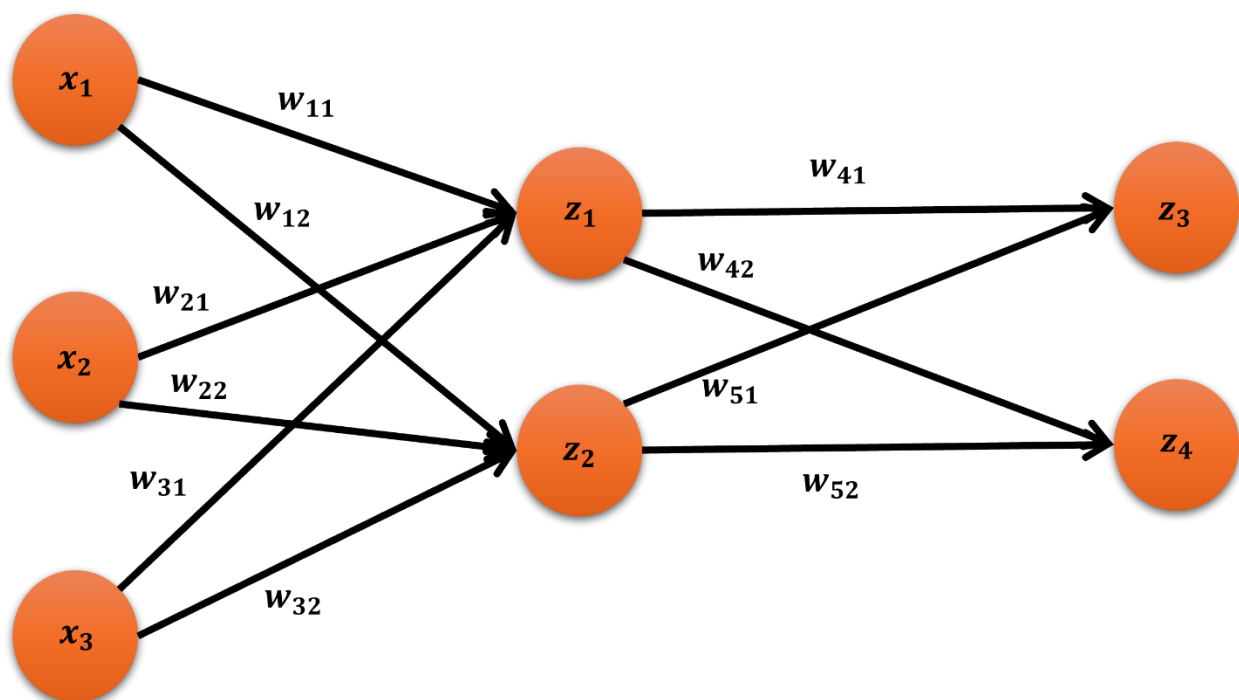


Exercise 1B



Given the inputs, weights and biases.

Input	Value
x_1	10
x_2	30
x_3	20

Weight	Value
w_{11}	0.2
w_{12}	0.7
w_{21}	- 0.1
w_{22}	- 1.2
w_{31}	0.4
w_{32}	1.2
w_{41}	1.1
w_{42}	3.1
w_{51}	0.1
w_{52}	1.7

1. Find the values for each variable below if all neurons in the hidden layer and output layer uses a **Sigmoid activation function**.

	Value
z_1	?
z_2	?
z_3	?
z_4	?
h_1	?
h_2	?
\widehat{p}_1	?
\widehat{p}_2	?