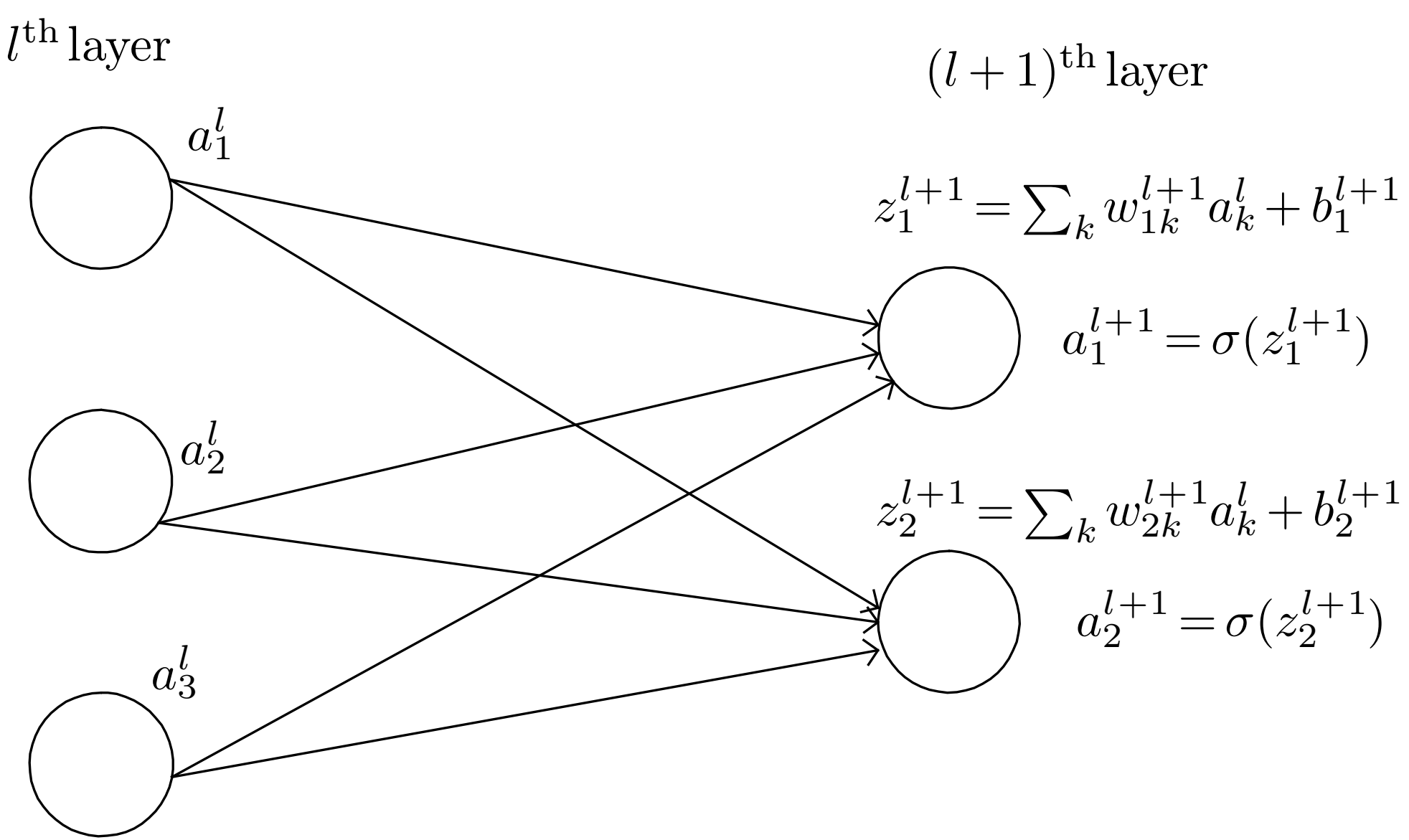
l^{th} layer
$(l+1)^{\text{th}}$ layer
a_1^l
a_2^l
a_3^l
$z_1^{l+1} = \sum_k w_{1k}^{l+1} a_k^l + b_1^{l+1}$
$a_1^{l+1} = \sigma(z_1^{l+1})$
$z_2^{l+1} = \sum_k w_{2k}^{l+1} a_k^l + b_2^{l+1}$
$a_2^{l+1} = \sigma(z_2^{l+1})$