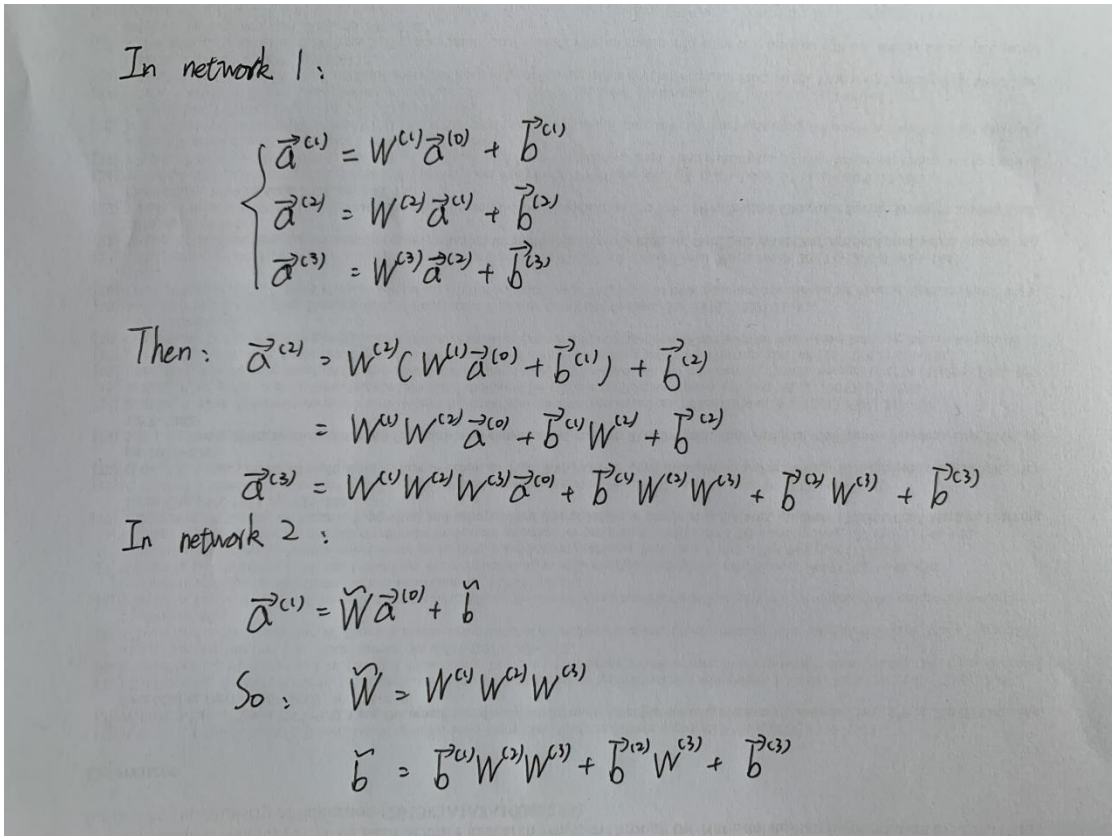
Result:


In network 1:
$\begin{cases} \vec{a}^{(1)} = W^{(1)}\vec{a}^{(0)} + \vec{b}^{(1)} \\ \vec{a}^{(2)} = W^{(2)}\vec{a}^{(1)} + \vec{b}^{(2)} \\ \vec{a}^{(3)} = W^{(3)}\vec{a}^{(2)} + \vec{b}^{(3)} \end{cases}$
Then: $\vec{a}^{(2)} = W^{(2)}(W^{(1)}\vec{a}^{(0)} + \vec{b}^{(1)}) + \vec{b}^{(2)}$
$= W^{(1)}W^{(2)}\vec{a}^{(0)} + \vec{b}^{(1)}W^{(2)} + \vec{b}^{(2)}$
$\vec{a}^{(3)} = W^{(1)}W^{(2)}W^{(3)}\vec{a}^{(0)} + \vec{b}^{(1)}W^{(2)}W^{(3)} + \vec{b}^{(2)}W^{(3)} + \vec{b}^{(3)}$
In network 2:
$\vec{a}^{(1)} = \tilde{W}\vec{a}^{(0)} + \tilde{b}$
So: $\tilde{W} = W^{(1)}W^{(2)}W^{(3)}$
$\tilde{b} = \vec{b}^{(1)}W^{(2)}W^{(3)} + \vec{b}^{(2)}W^{(3)} + \vec{b}^{(3)}$