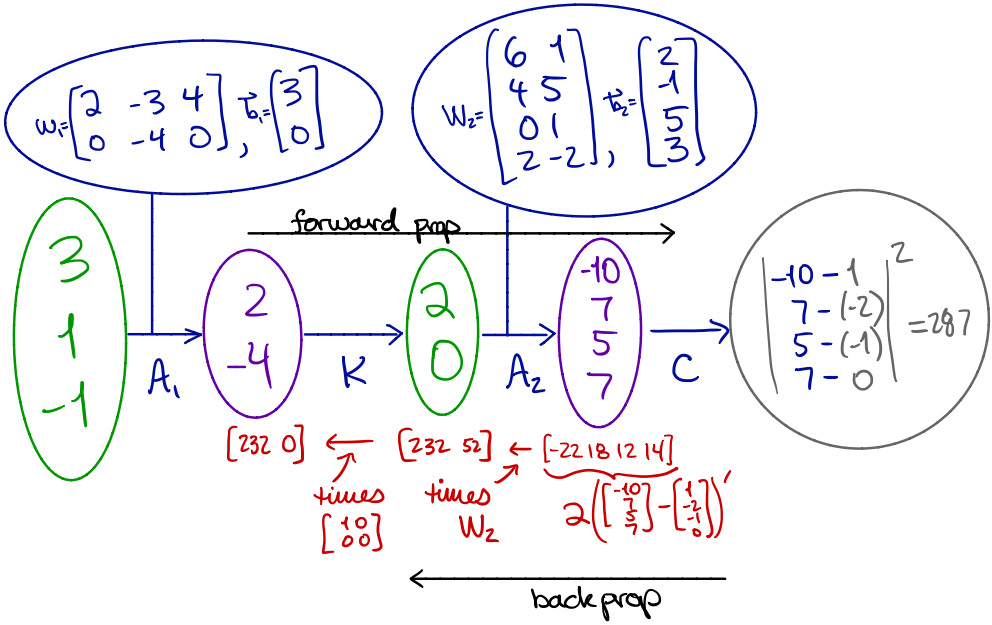

Now the derivative of the final cost with respect to W_1 is

$$\begin{bmatrix} 232 \\ 0 \end{bmatrix} \begin{bmatrix} 3 & 1 & -1 \end{bmatrix} = \begin{bmatrix} 696 & 232 & -232 \\ 0 & 0 & 0 \end{bmatrix},$$

so the suggested change is $\begin{bmatrix} -69.6 & -23.2 & -23.2 \\ 0 & 0 & 0 \end{bmatrix}$