Step 1 - Convolution

$$
\begin{array}{|c|c|c|}
\hline
1 & 0 & -1 \\
\hline
2 & 0 & -2 \\
\hline
1 & 0 & -1 \\
\hline
\end{array}
$$

Image Source: eonardoaraujosantos.gitbooks.io