## 2D Convolution Calculation Tutorial Exercise

Calculate the convolution between $x\left(n_{1}, n_{2}\right)$ and $h\left(n_{1}, n_{2}\right)$ :

$$
\begin{gathered}
x\left(n_{1}, n_{2}\right)= \begin{cases}1, & \text { when } 0 \leq n_{1}<N_{1} \text { and } 0 \leq n_{2}<N_{2} \\
0, & \text { otherwise }\end{cases} \\
\qquad h\left(n_{1}, n_{2}\right)= \begin{cases}1, & \text { when } n_{1} \leq 0 \text { and } n_{2} \leq 0 \\
0, & \text { otherwise }\end{cases}
\end{gathered}
$$

