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As comparing both the outputs the output obtained by solving manually is

$$\begin{pmatrix} 0.4 & 0 & 0 & 0 & 0 \\ 0 & 0.2 & 0 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0.63 \\ 0 & 0 & 1 & 1 & 0 \\ 0.35 & 0 & 0 & 0 & 0.7 \end{pmatrix}$$

The output obtained after solving it on matlab is

$$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 1 & 1 & 0 \\ 0 & 0 & 0 & 0 & 0 \end{pmatrix}$$