Ex10

Second iteration

$$\begin{pmatrix}
\Delta 1 \\
\Delta 1 \\
\Delta 1 \\
2
\end{pmatrix} = \begin{pmatrix}
-\frac{1}{5} & \frac{1}{5} \\
-\frac{1}{5} & \frac{1}{5}
\end{pmatrix} \begin{pmatrix}
2.8 \\
-1.6 \\
-1.6 \\
0.4
\end{pmatrix} = \begin{pmatrix}
-0.72 \\
-0.56 \\
1.36
\end{pmatrix}$$

$$\begin{pmatrix} 212^{2} \\ 212^{2} \\ 12^{2} \end{pmatrix} = \begin{pmatrix} 0.7 \\ 0.6 \\ -1.4 \end{pmatrix} + \begin{pmatrix} 0.72 \\ 0.56 \\ +1.36 \end{pmatrix} = \begin{pmatrix} -0.02 \\ 0.04 \\ -0.04 \end{pmatrix}$$

$$\begin{pmatrix}
\Delta u_1 \\
\Delta v_2
\end{pmatrix} = \begin{pmatrix}
-\frac{2}{5} & -\frac{1}{5} & \frac{1}{5} \\
-\frac{1}{5} & -\frac{1}{5} & -\frac{2}{5}
\end{pmatrix}
\begin{pmatrix}
0 & 0.56 \\
-\frac{1}{5} & -\frac{1}{5} & -\frac{2}{5}
\end{pmatrix}
\begin{pmatrix}
0 & 0.56 \\
-\frac{1}{5} & -\frac{1}{5} & -\frac{2}{5}
\end{pmatrix}
\begin{pmatrix}
0 & 0.56 \\
-\frac{1}{5} & -\frac{1}{5} & -\frac{2}{5}
\end{pmatrix}
\begin{pmatrix}
0 & 0.56 \\
-\frac{1}{5} & -\frac{1}{5} & -\frac{2}{5}
\end{pmatrix}
\begin{pmatrix}
0 & 0.5 \\
-\frac{1}{5} & -\frac{1}{5} & -\frac{2}{5}
\end{pmatrix}
\begin{pmatrix}
0 & 0.5 \\
-\frac{1}{5} & -\frac{1}{5} & -\frac{1}{5}
\end{pmatrix}$$

$$\begin{pmatrix}
0.3 \\
0.56 \\
-0.6
\end{pmatrix}$$