

حل:

$$\begin{array}{r}
 \begin{array}{cc} 4 & 3 \end{array} \\
 \hline
 \begin{array}{r}
 \begin{array}{cc} 4 & 1849 \end{array} \\
 \begin{array}{cc} \swarrow & \nwarrow \end{array} \\
 \begin{array}{cc} 1 & 849 \end{array} \\
 \hline
 \begin{array}{cc} 83 & 249 \end{array} \\
 \begin{array}{cc} \swarrow & \nwarrow \end{array} \\
 \begin{array}{cc} 2 & 49 \end{array} \\
 \hline
 \begin{array}{cc} 0 & \end{array}
 \end{array}
 \end{array}$$

$$\sqrt{1849} = 43$$