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EX.2.4.2.c2d, Sauer3

Find the PA = LU factorization (using partial pivoting) of the following matrices:

c.
$$\begin{pmatrix} 1 & 2 & -3 \\ 2 & 4 & 2 \\ -1 & 0 & 3 \end{pmatrix}$$

$$d. \left(\begin{array}{rrr} 0 & 1 & 0 \\ 1 & 0 & 2 \\ -2 & 1 & 0 \end{array} \right)$$