```
Example 3: TikZ matrix, annotations on matrix
1 % \usepackage{amssymb}
2 % \usepackage{tikz}
  % \usetikzlibrary{matrix, shapes.misc}
4 \tikzset{
    m common/.style={draw, inner sep=1pt},
    mo/.style={m common, circle},
    mx/.style={m common, cross out}
8 }
10 \begin{tikzpicture}[baseline=(magic-2-1.base)]
    \matrix (magic) [matrix of nodes,
     left delimiter={[], right delimiter={]]},
      above delimiter=\{, below delimiter=\}] {
      8 & |[mo]|1 & |[mx]|6 \\
      3 &
                5 &
                         7 \\
      4 &
                9 &
                          2 \\
16
    };
    \draw[thick, blue] (magic-3-1.west) -- (magic-3-3.east);
    \node[xshift=10pt] at (magic-2-3.east) {$\checkmark$};
  \end{tikzpicture}
```

```
Example 4: nicematrix, add above and below delimiters
1 % \usepackage{nicematrix}
2 % \usetikzlibrary{calc}
 \[
   \begin{pNiceArray}{CCC}[last-col, first-row, create-extra-nodes,
       code-for-first-row=\phantomDepth{10pt},
       code-after={
         \drawAboveDelimiter{\lbrace}{1-1}{1-3}{yshift=.7em, blue}
         \drawBelowDelimiter{\rbrace}{3-1}{3-3}{yshift=-.7em, teal}
8
       }]
     10
     1 & 2 & 3 & L_1 \\ % see `texdoc nicematrix`, sec. 6
     4 & 5 & 6 & L_2 \\
     7 & 8 & 9 & L_3
   \end{pNiceArray}
  \]
                            0 \ 0 \ 0
                               2
                                 3 \setminus L_1
                              5 6 L_2
                               8 \ 9 / L_3
```