

## *The Gospel Train*

$$1 = C$$

## African-American Spiritual

The diagram illustrates the construction of a 5x5 matrix  $A$  through a series of operations. The matrix is defined by the following rows and columns:

- Row 1:  $1, 3, 5, 6, 1$
- Row 2:  $3, 1, 1, 1, 1$
- Row 3:  $5, 6, 1, 1, 1$
- Row 4:  $6, 1, 1, 1, 1$
- Row 5:  $1, 1, 1, 1, 1$

The construction process is shown in a 5x4 grid of diagrams. Each diagram consists of four vertical lines. The first three lines have horizontal bars representing the first three columns of  $A$ , with numbers 1, 3, 5, or 6 indicating the row index. The fourth line has a single number indicating the row index of the fourth column. The diagrams are arranged in a grid, with the first row showing the initial state and subsequent rows showing the result of applying a sequence of operations. The operations are labeled as 1, 3, 5, and 6, corresponding to the rows of the matrix  $A$ . The final diagram in the bottom right shows the completed matrix  $A$ .

4.

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