

A 20x20 grid of black squares on a white background, representing a sparse matrix. The squares are distributed across the grid, with some rows and columns being more densely populated than others. The pattern is roughly rectangular, spanning from approximately row 1 to row 19 and column 1 to column 19.



A 12x25 grid of small squares. The squares are arranged in 12 rows and 25 columns. Some squares are filled with black ink, while others are empty. The pattern of filled squares is sparse and irregular, with some rows having more filled squares than others. For example, the first row has 15 filled squares, while the last row has 5 filled squares.

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A 10x25 grid of small squares. The squares are arranged in 10 rows and 25 columns. Some squares are filled with black ink, while others are empty. The pattern of filled squares is sparse and irregular, with some rows having more filled squares than others. For example, the first row has 18 filled squares, while the second row has 24 filled squares. The pattern continues in this manner across the grid.

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The diagram consists of five horizontal rows of small squares. Each square has a thin black border. The first four rows are complete, each containing 20 squares. The fifth row is partially filled, containing only the first six squares from the left.

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The figure displays a 10x25 grid of squares, representing a sparse matrix. The squares are arranged in 10 rows and 25 columns. The pattern of filled squares is symmetric about the main diagonal, which is entirely filled. The matrix is banded, with non-zero elements concentrated within a few diagonals from the main diagonal. The distribution of filled squares is as follows:

- Row 1: 25 squares filled.
- Row 2: 24 squares filled.
- Row 3: 23 squares filled.
- Row 4: 22 squares filled.
- Row 5: 21 squares filled.
- Row 6: 20 squares filled.
- Row 7: 19 squares filled.
- Row 8: 18 squares filled.
- Row 9: 17 squares filled.
- Row 10: 16 squares filled.

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