





The image displays a 100x100 grid of black dots on a white background. The dots are arranged in a sparse, banded pattern, characteristic of a matrix representation of a discretized system. The main diagonal is densely populated with dots, and there are smaller clusters of dots along the upper and lower diagonals, indicating a banded structure. The overall distribution of dots is uniform across the grid, with no significant gaps or irregularities in the pattern.



A 15x15 grid of black dots on a white background, representing a sparse matrix. The dots are arranged in a pattern that suggests a banded or block-like structure, with some isolated dots and some small clusters. The overall shape is roughly rectangular, with a few dots extending slightly beyond the main grid area.

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