



A 10x10 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 non-zero entries scattered throughout the grid.

The image displays a 10x10 grid of 100 small dot patterns. Each pattern is a unique combination of 10 binary digits (0s and 1s), arranged in a 2x5 grid of dots. The patterns are organized into four groups of 25, corresponding to the four quadrants of the 10x10 grid. The patterns are arranged in a way that they can be read as a sequence of 100 binary digits, which can be converted into a decimal number. The patterns are arranged in a way that they can be read as a sequence of 100 binary digits, which can be converted into a decimal number. The patterns are arranged in a way that they can be read as a sequence of 100 binary digits, which can be converted into a decimal number.

A 3x10 grid of dots representing a sparse matrix. The dots are arranged in a pattern that suggests a banded structure with some off-diagonal elements.

• • •

... ..
... ..
... ..

... ..

... ..