

A heatmap visualization of a 28x28 matrix. The x-axis and y-axis are both labeled with indices from 0 to 27. The color scale on the right ranges from 0.0 (dark red) to -1.0 (dark blue). The matrix exhibits a strong checkerboard pattern, where the diagonal elements (where $i = j$) are dark blue, indicating a value of approximately -1.0. The off-diagonal elements are dark red, indicating a value of approximately 0.0. This pattern suggests a matrix where the diagonal elements are significantly different from the off-diagonal elements, which are all equal.