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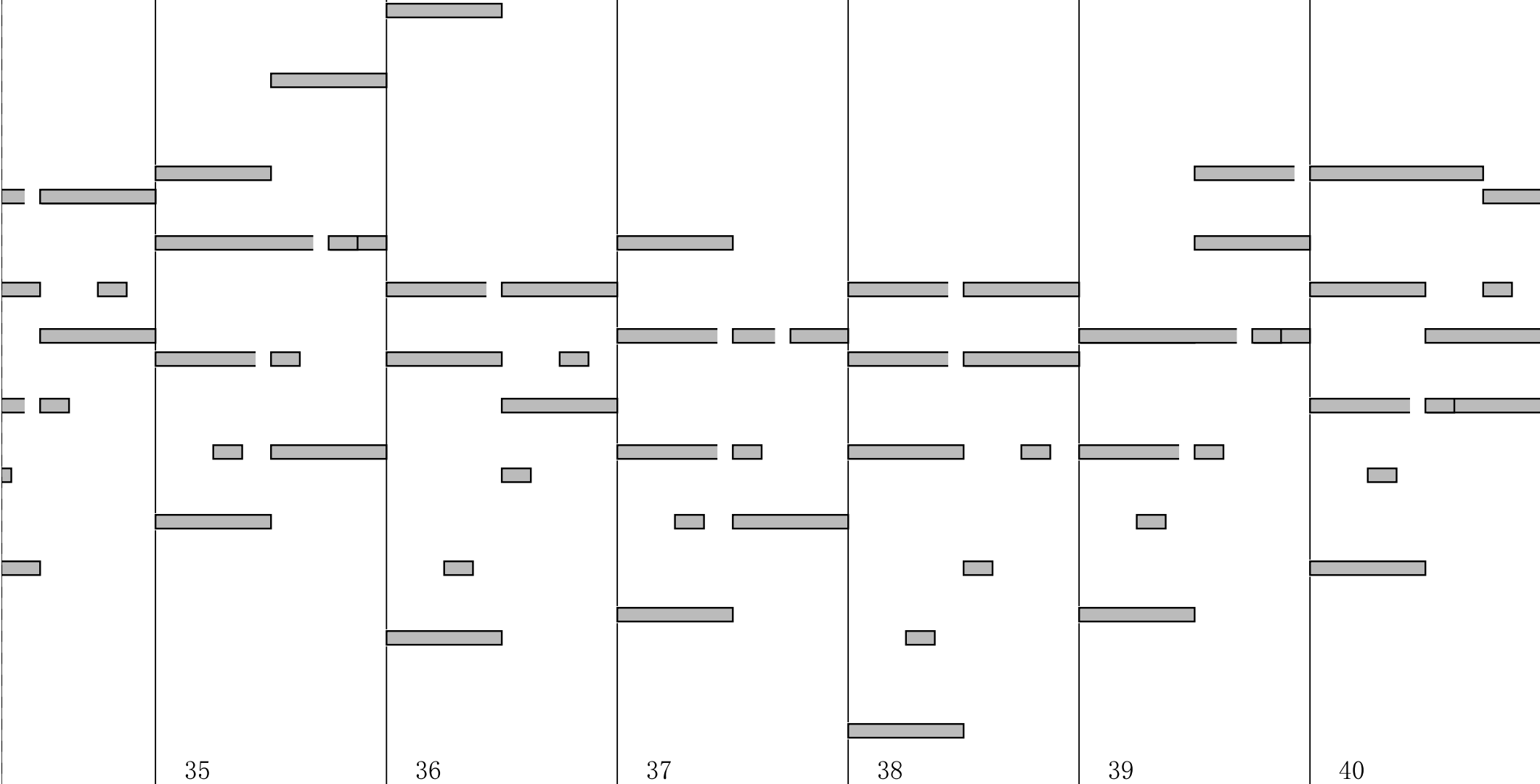
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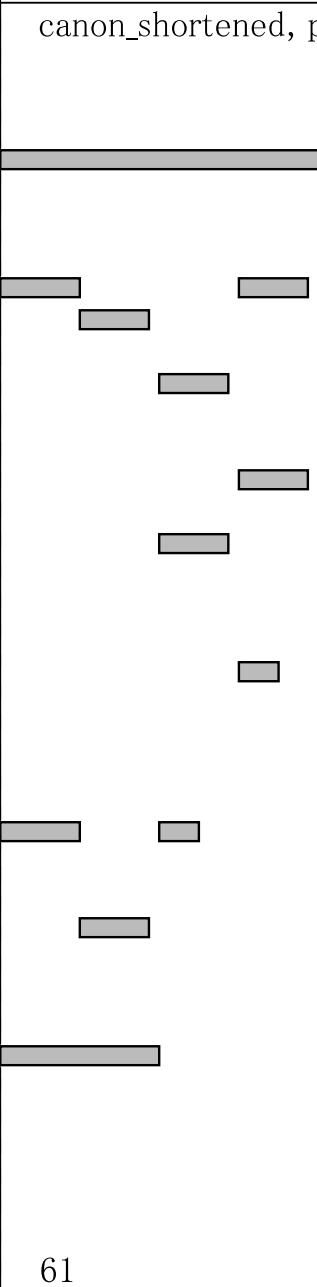
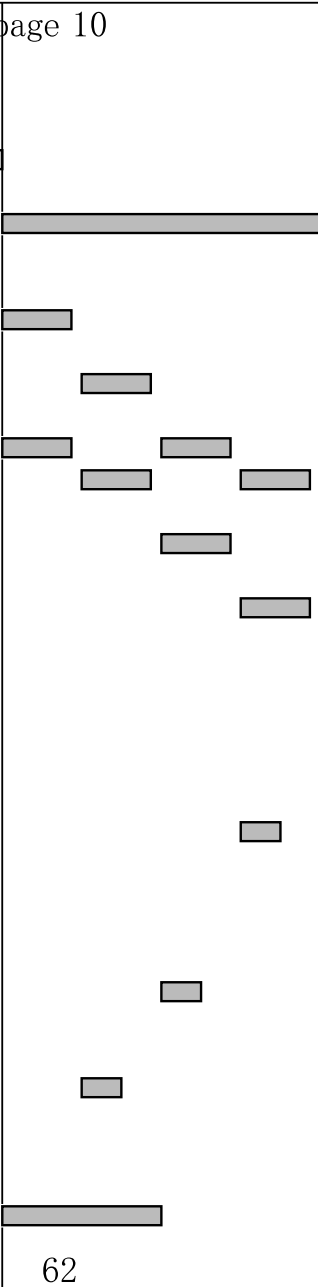
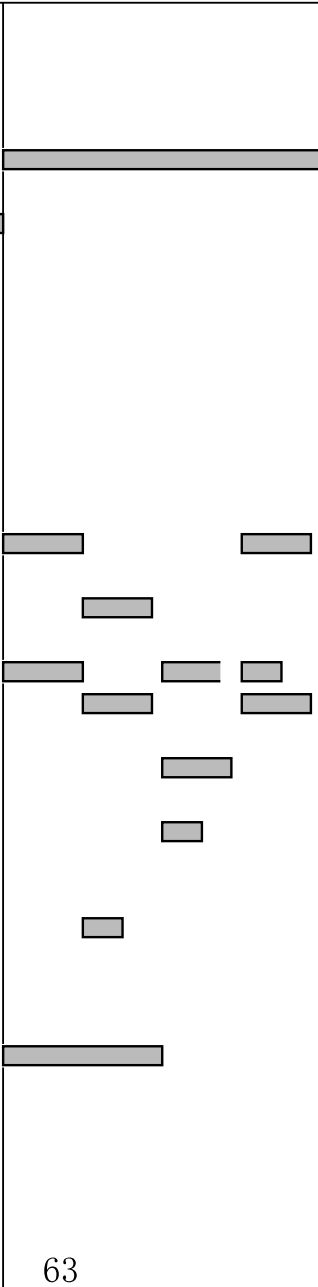
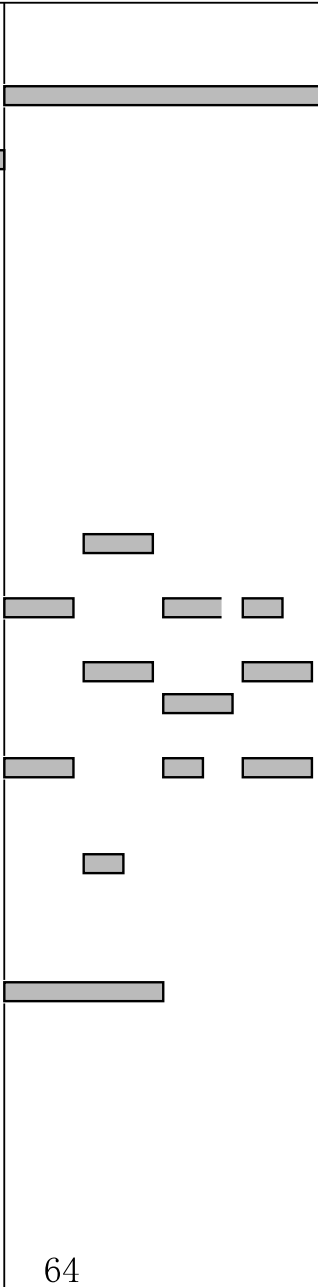
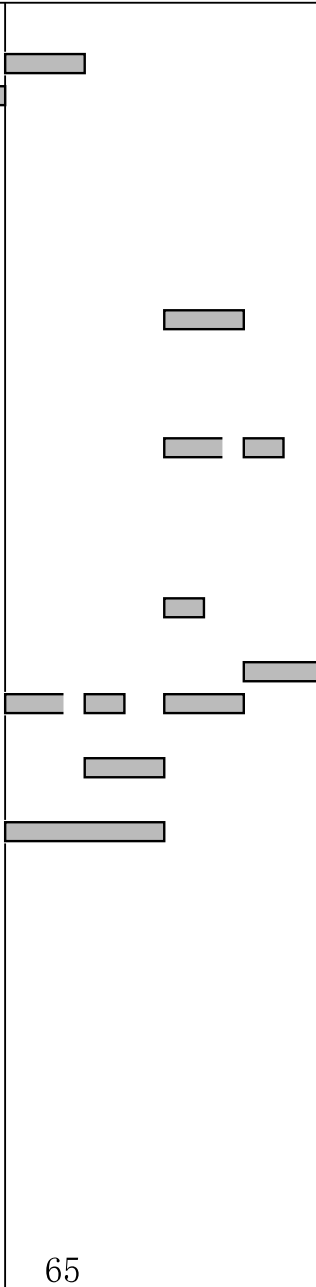
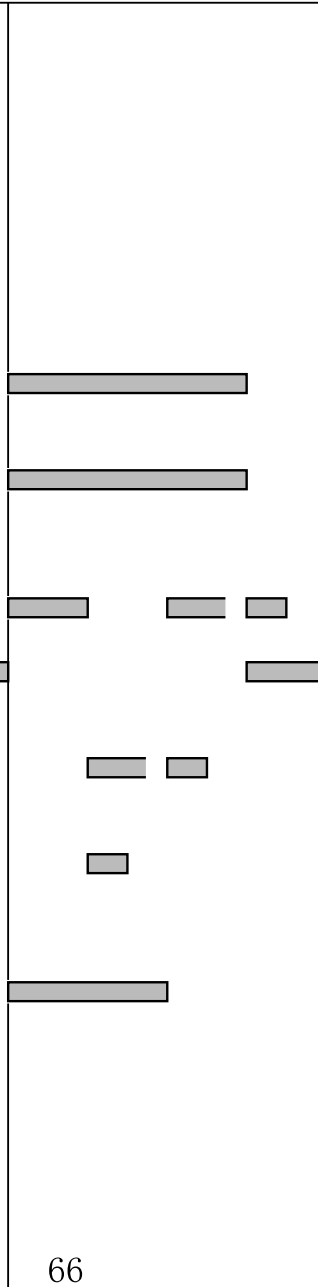
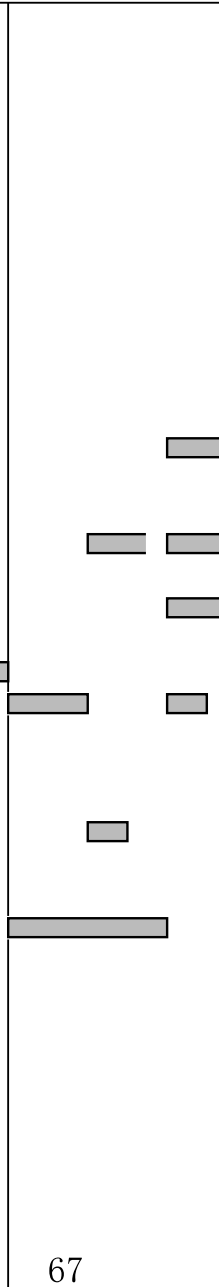
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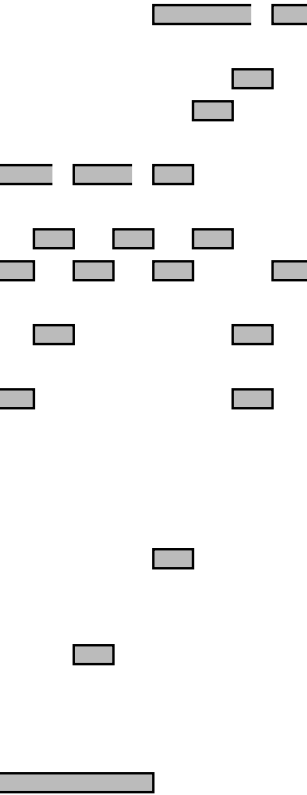

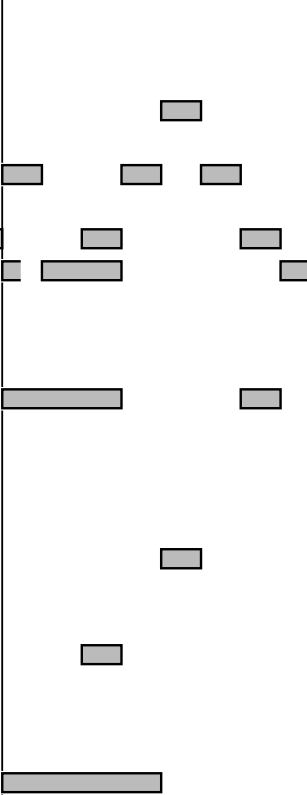
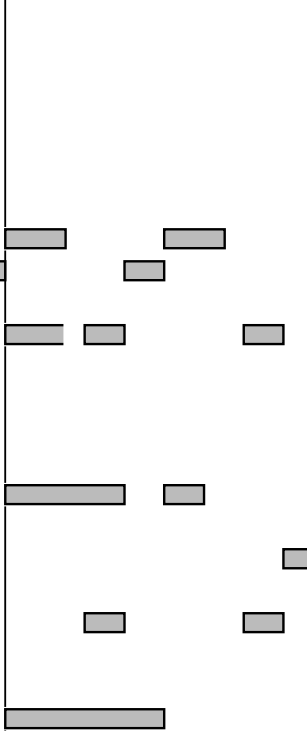
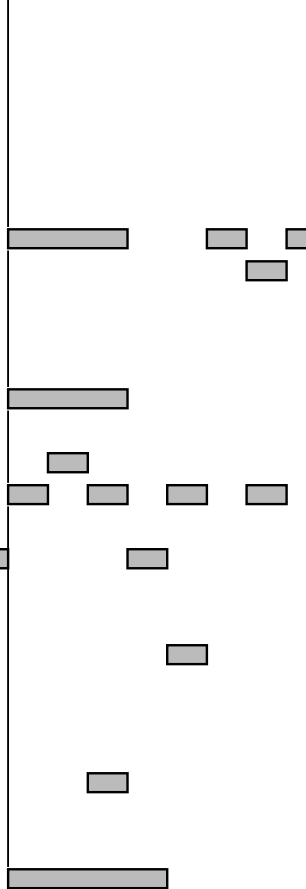
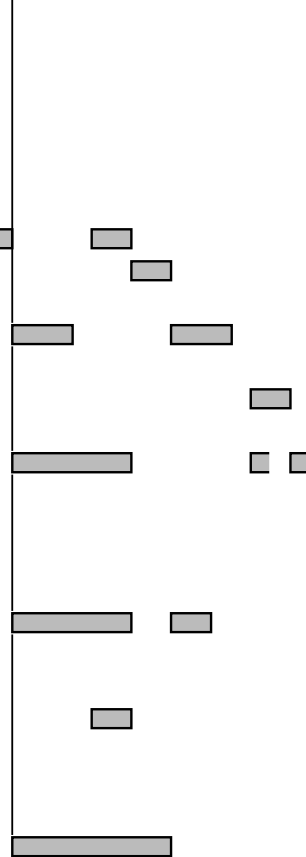
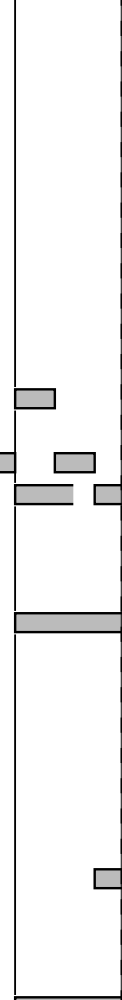
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Figure 10: A visualization of the canonical form of the matrix  $A$  for the example in Figure 9. The figure consists of seven panels, labeled 101 through 107, each showing a different row of the matrix. The rows are arranged vertically, and the columns are arranged horizontally. The panels are separated by vertical lines. The matrix is represented by a grid of gray rectangles, where the width of each rectangle corresponds to the value of the element in that position. The rectangles are arranged in a way that shows the structure of the matrix, with some rows having more elements than others. The overall pattern of the matrix is complex, with many non-zero elements. The figure is titled "Figure 10: A visualization of the canonical form of the matrix  $A$  for the example in Figure 9." and is located on page 16 of the document.

101	102	103	104	105	106	107
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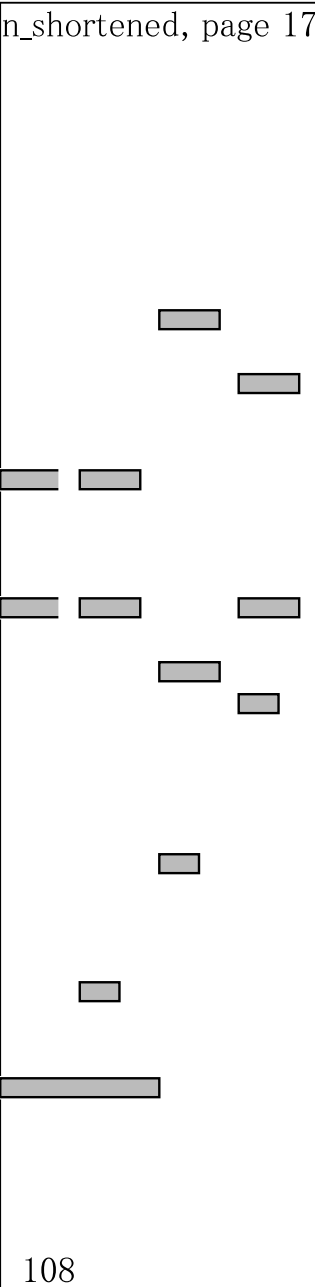
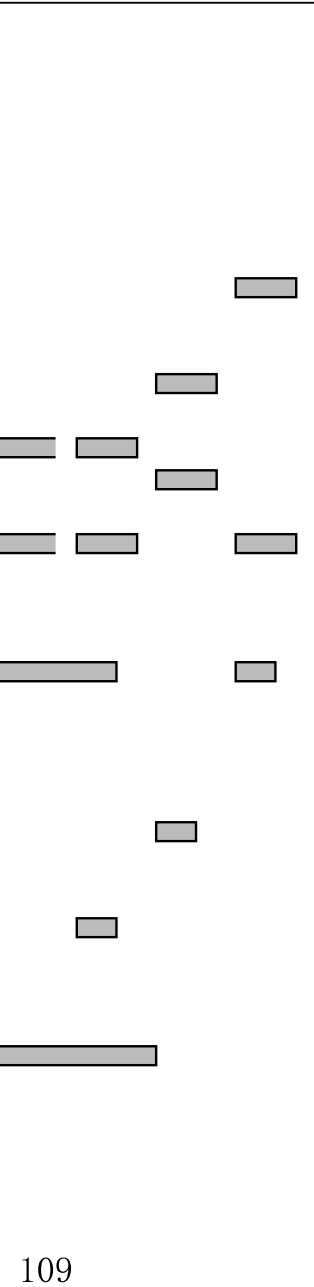
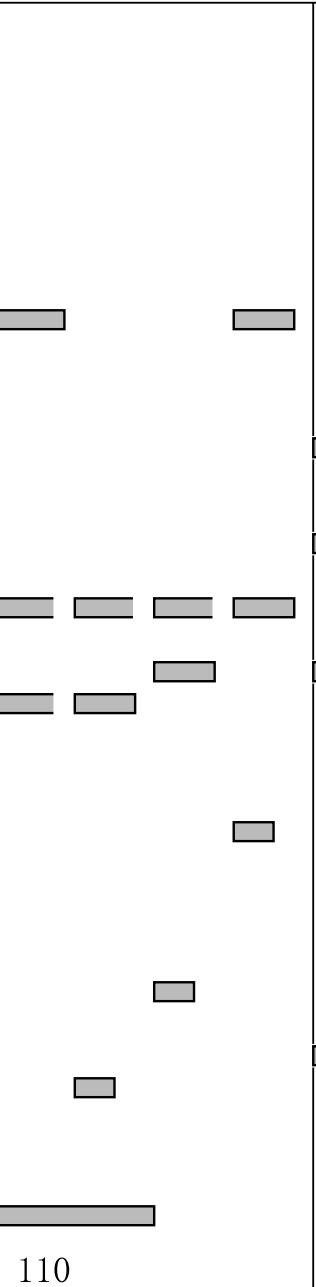
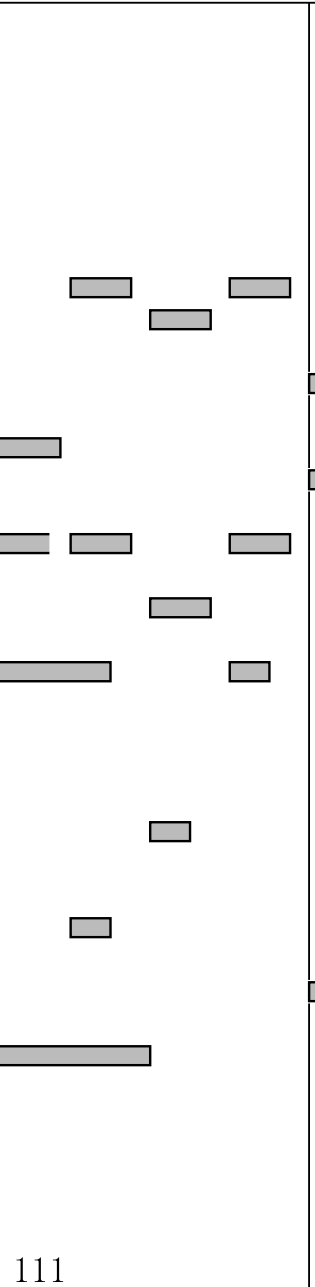
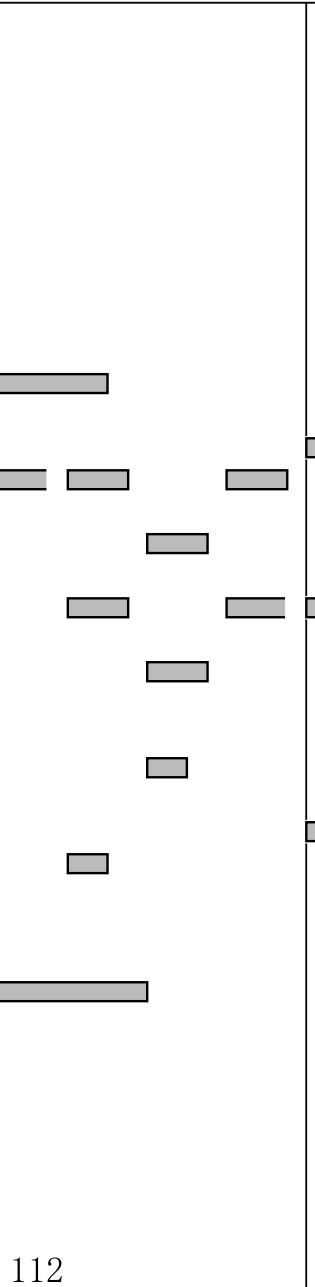
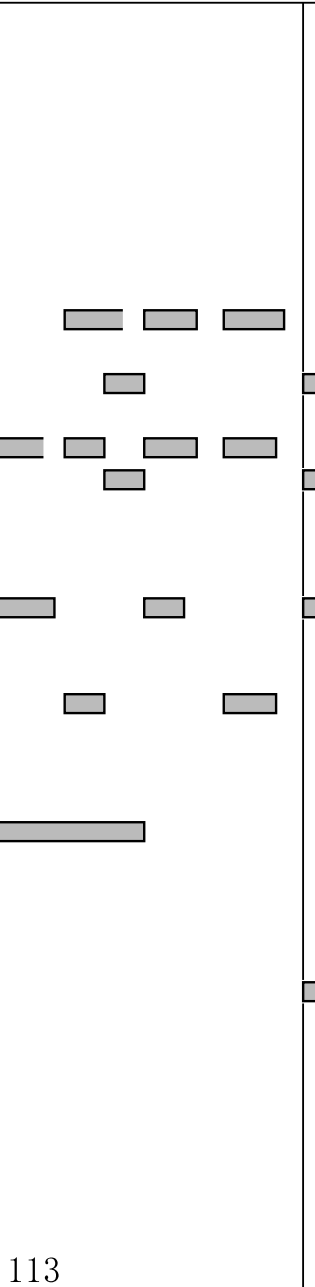
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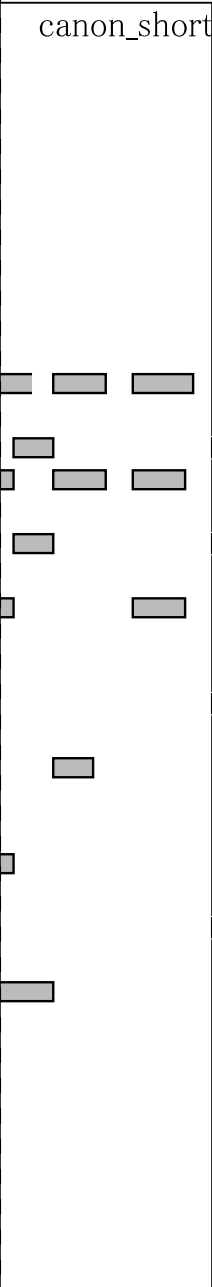
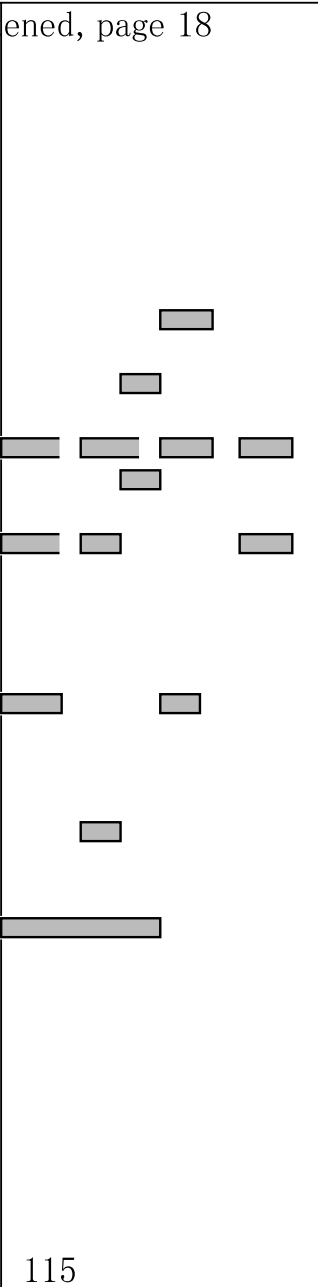
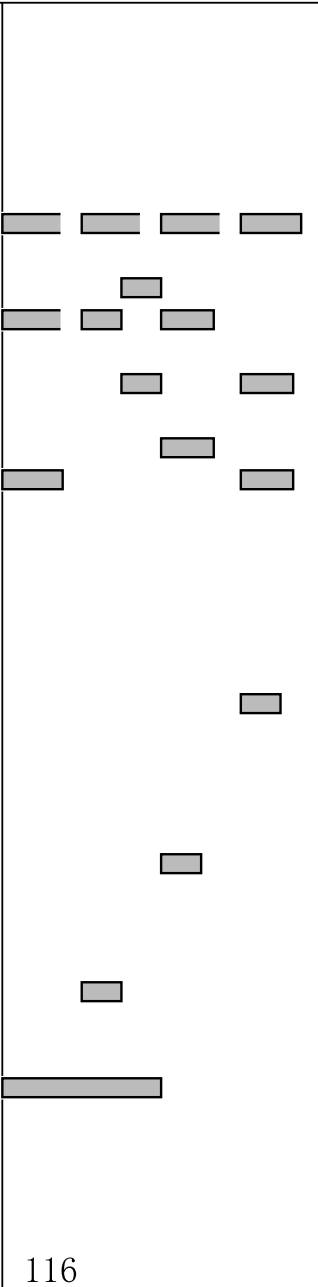
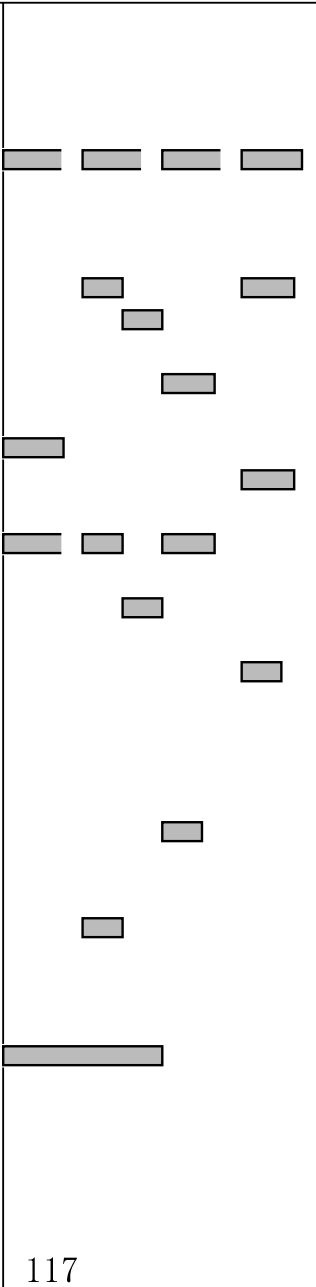
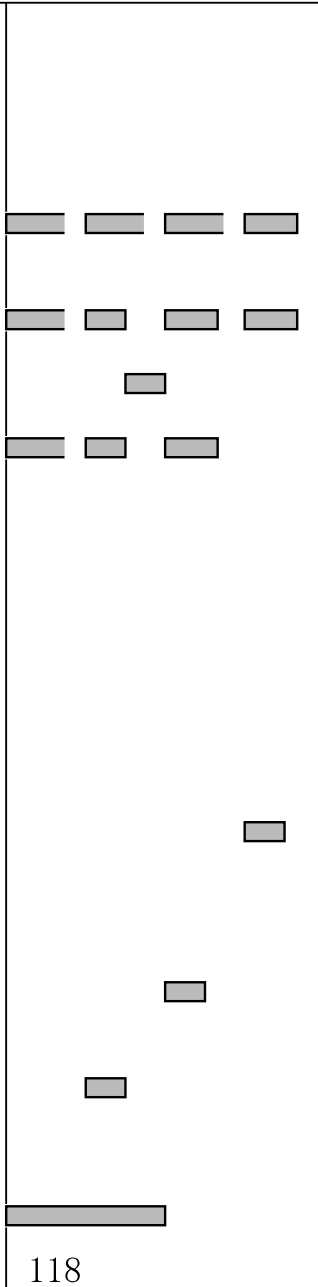
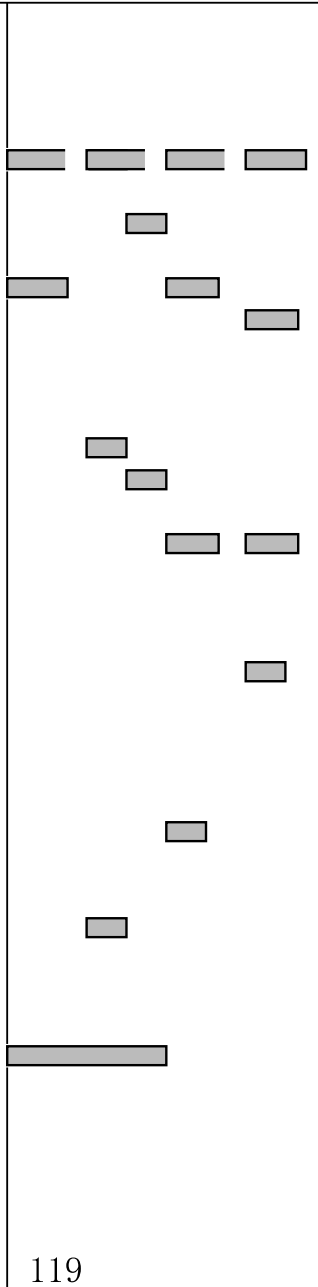
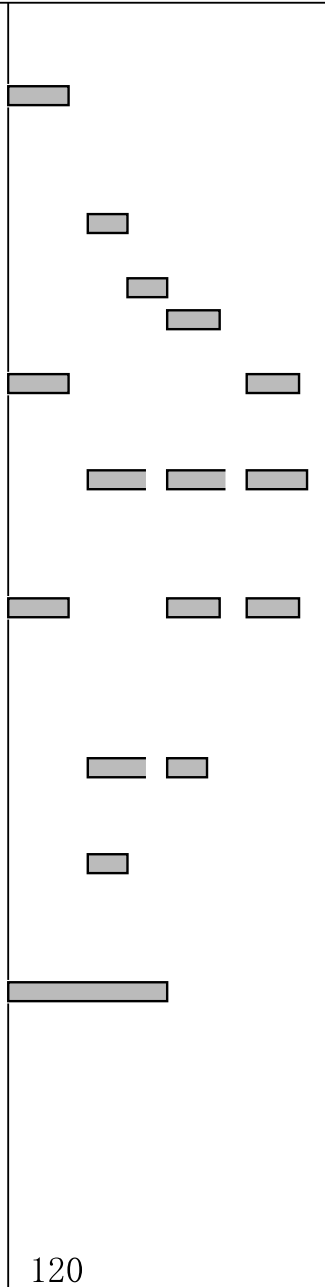
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Figure 10: A visualization of the canonical form of the 2D Ising model on a square lattice, showing the distribution of spins (up and down) across the lattice. The figure is divided into six panels, labeled 141 through 147, representing different configurations or states of the model. Each panel displays a grid of spins, with up spins (represented by black squares) and down spins (represented by white squares) distributed across the lattice. The panels show various patterns of spin arrangements, including clusters, boundaries, and overall distributions, illustrating the complexity of the canonical form.



[illegible]