

A 6x6 grid of squares. A red line starts at the top-left corner of the second row, first column, extends horizontally to the top-right corner of the second row, fifth column, and then turns vertically down to the bottom-right corner of the second row, fifth column. Thick black horizontal lines are placed below the first row, the third row, the fourth row, and the sixth row.

The diagram illustrates the step-by-step construction of a Huffman tree. It shows a grid of 24 rectangular nodes arranged in 4 rows and 6 columns. The nodes are grouped into pairs by horizontal lines, representing the iterative merging of the two smallest nodes in the tree. A red line highlights the first merge step, connecting the first two nodes in the top row.

A 6x6 grid of squares. A red line starts at the top-left corner of the second row, first column, extends horizontally to the top-right corner of the second row, fourth column, and then turns vertically down to the bottom-right corner of the second row, fourth column. Thick black horizontal lines are drawn below the first row, below the third row, below the fourth row, and below the sixth row.

A 6x6 grid of squares. A red line starts at the top-left corner of the second row, first column, extends horizontally to the top-right corner of the second row, fourth column, and then turns vertically down to the bottom-right corner of the second row, fourth column. A thick black horizontal line runs across the entire grid, separating the second row from the third row.

A 6x6 grid of squares. A red line starts at the top-left square and extends horizontally to the top-right square. A thick black line starts at the top-right square and extends horizontally to the bottom-right square.

A 6x6 grid of squares. A red line starts at the top-left corner of the second row, first column, extends horizontally to the top-right corner of the second row, fourth column, and then turns vertically down to the bottom-right corner of the second row, fourth column. Thick black horizontal lines are located at the bottom of the first, third, fourth, and fifth rows.

A 6x6 grid of squares. A red line starts at the top-left corner of the second row, first column, extends horizontally to the top-right corner of the second row, fourth column, and then extends vertically down to the bottom-right corner of the second row, fourth column. Three thick black horizontal lines are drawn across the grid, separating the rows into four groups of two rows each: between the first and second rows, between the third and fourth rows, and between the fifth and sixth rows.

A 6x6 grid of squares. A red line starts at the top-left corner of the second row, first column, extends horizontally to the top-right corner of the second row, fourth column, and then turns vertically down to the bottom-right corner of the second row, fourth column. Four thick black horizontal lines are positioned between the rows: between row 1 and 2, row 2 and 3, row 4 and 5, and row 5 and 6.

A 6x6 grid of squares. A red line starts at the top-left corner of the second row, first column, extends horizontally to the top-right corner of the second row, fourth column, and then turns vertically down to the bottom-right corner of the second row, fourth column. There are four thick black horizontal lines separating the rows: one between the first and second rows, one between the second and third rows, one between the fourth and fifth rows, and one between the fifth and sixth rows.

A 6x6 grid of squares. A red line starts at the top-left corner of the second row, first column, extends horizontally to the top-right corner of the second row, fifth column, and then turns vertically down to the bottom-right corner of the second row, fifth column. Four thick black horizontal lines are positioned between the rows: between row 1 and 2, row 2 and 3, row 4 and 5, and row 5 and 6.

A 6x6 grid of squares. A red line starts at the top-left corner of the second row, first column, extends horizontally to the top-right corner of the second row, fourth column, and then extends vertically down to the bottom-right corner of the second row, fourth column. Three thick black horizontal lines are drawn across the grid, separating the rows into four groups of two rows each: between the first and second rows, between the third and fourth rows, and between the fifth and sixth rows.

A 6x6 grid of squares. A red line starts at the top-left corner of the first square in the second row, extends horizontally to the top-right corner of the fourth square, and then turns vertically down to the top-right corner of the fifth square. Four thick black horizontal lines are positioned between the rows of squares: between row 1 and 2, row 2 and 3, row 4 and 5, and row 5 and 6.