

Bird Dog

$$1 = G$$

Boudleaux Bryant

The image displays 20 Young diagrams arranged in a 5x4 grid, representing partitions of the integer 7. The diagrams are organized into 5 rows and 4 columns. The first row shows the partition 5^7 . The second row shows partitions with one part of size 5 and others of size 1 or 3. The third row shows partitions with one part of size 4 and others of size 1 or 3. The fourth row shows partitions with one part of size 3 and others of size 1 or 4. The fifth row shows partitions with one part of size 2 and others of size 1 or 4. The diagrams are colored in shades of blue and green, with some parts highlighted in yellow. The partitions are labeled with their corresponding Young diagrams and the number 7.

Diagram illustrating the 7th stage of the construction of the Cantor set. The diagram shows three vertical lines representing the boundaries of the intervals. The first line is labeled 5^7 at the bottom. The second line is labeled 4^7 at the bottom. The third line is labeled 5^7 at the bottom. Between the first and second lines, there are four horizontal bars labeled 2, 2, 2, 2, and two bars labeled 1. Between the second and third lines, there are four horizontal bars labeled 3, 3, 3, 3, and two bars labeled 1. Above the third line, there are four horizontal bars labeled 5, 6, 7, and 4, and two bars labeled 2. The top of the diagram is labeled 1, 2.

Diagram illustrating a matrix structure with a staircase pattern of blocks. The matrix is partitioned into blocks along the diagonal, labeled 1, 5⁷, 2, 3, 4, 5, 6, 7. The blocks are arranged such that the matrix is upper triangular. The blocks are labeled with numbers 1 through 7, and the diagonal blocks are labeled with powers of 5. The matrix is enclosed in large square brackets.

3.

1 5 3 2 6 $b7$ 1 5 4 3 1 5⁷ 1