

When a Man Loves a Woman

$$1 = D$$

Calvin Lewis and Andrew Wright

The three diagrams illustrate the construction of a 3D Young diagram for the partition $(6, 5, 1)$ using blue bars and numbers:

- Diagram 1:** Shows the initial construction. A vertical line is labeled 6 at the top and 1 at the bottom. A horizontal bar of length 6 is attached to the top, and a horizontal bar of length 1 is attached to the bottom. A vertical bar of length 5 is attached to the right side of the top bar.
- Diagram 2:** Shows the next stage. A vertical line is labeled 5 at the top and $5/7$ at the bottom. A horizontal bar of length 5 is attached to the top, and a horizontal bar of length 5 is attached to the bottom. A vertical bar of length 3 is attached to the right side of the top bar.
- Diagram 3:** Shows the final stage. A vertical line is labeled 3 at the top and $1^7/5$ at the bottom. A horizontal bar of length 3 is attached to the top, and a horizontal bar of length 1 is attached to the bottom. A vertical bar of length 3 is attached to the right side of the top bar.

A diagram illustrating a sequence of 18 boxes, each containing a number from 1 to 6. The boxes are arranged in a staircase pattern across four vertical lines. The numbers are: 4, 3, 2, 1, 3, 2, 1, 1, 1, 1, 6, 5, 1, 1, 1, 1, 6, 6, 6. The vertical lines are labeled 4, $4/5$, 5, 1, and 5 at the bottom.

Diagram 1: A vertical line with a horizontal bar labeled 6 at position 1.

Diagram 2: A vertical line with a horizontal bar labeled 5 at position $5/7$.

Diagram 3: A vertical line with a horizontal bar labeled 3 at position 6^- and a horizontal bar labeled 4 at position $1/5$.

Diagram 4: A vertical line with a horizontal bar labeled 3 at position $1/5$ and a horizontal bar labeled 2 at position $1/5$.

Diagram illustrating a sequence of 16 horizontal bars (representing elements or steps) arranged in a stepped fashion, colored light blue. The diagram is divided into sections by vertical lines. The top section is labeled "1." and the bottom section is labeled "1". The left side has labels "4" and "4/5", and the right side has labels "5" and "5". The bars are numbered 1 through 6, with some numbers appearing multiple times.

The diagram shows a 2D hexagonal lattice with four vertical lines. Blue bars are placed on the lattice cells, representing a state. The bars are labeled with numbers: 4, 4, 6, 6, 5, 6, 5, 5. The labels 4, 6, and 5 are positioned above the bars, while the label 1 is positioned below the first vertical line, and 1⁷ is positioned below the third vertical line.

4	4 4 4 4	6 6 6	5 6 5	6 5
4			1	1 ⁷

4	4 4	6 6 6	5 5 5 [#] 5	6 1 6
4			1	6 ⁻

1 6	1 6	1 6 6 6 5	D.S. al Coda	
2 ⁷		4/5	5	6 5

1	7 6 5	6 6	D.S.
4/5	5		