

*Satin Doll*

$$1 = C$$

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The figure consists of four panels, each showing a grid of sites. The sites are colored blue or red. The panels are labeled with  $2^-$  and  $5^7$ ,  $2^-$  and  $5^7$ ,  $3^-$  and  $6^7$ , and  $3^-$  and  $6^7$ . The diagrams illustrate the evolution of a cluster of blue sites from a single site at the top left.

A horizontal number line is shown, ranging from 0 to 10. The numbers 0, 2, 4, 6, 8, and 10 are labeled below the line. A light blue shaded rectangular region covers the segment of the number line between the numbers 2 and 5.

Diagram illustrating the evolution of the 17th row of Pascal's triangle for three different values of  $n$  (5, 7, and 9). The rows are shown as horizontal bars with labels indicating the binomial coefficients.

- Row 1 (n=5): 1, 7, 21, 35, 35, 21, 7, 1
- Row 2 (n=7): 1, 7, 21, 35, 35, 21, 7, 1, 1, 7, 21, 35, 35, 21, 7, 1, 1
- Row 3 (n=9): 1, 7, 21, 35, 35, 21, 7, 1, 1, 7, 21, 35, 35, 21, 7, 1, 1

The diagram illustrates four stages of a sequence of operations. Each stage is represented by a horizontal bar divided into segments. The segments are labeled with numbers 1 through 7, and some are highlighted in blue. The stages are labeled below the bars:  $6^{-7}$ ,  $2^7$ ,  $6^{-7}$ ,  $2^{7+\text{add } b_9}$ ,  $2^{-7}$ , and 5. The first stage shows a sequence of operations: 2, 1, 7, 6, 7, 1. The second stage shows: 2, 1, 7, 6, 7, 1. The third stage shows: 2, 1, 7, 6, 7, 1. The fourth stage shows: 2, 3, 1, 2.

