



Figure 1 illustrates the iterative construction of a fractal curve. The diagrams show the replacement of a segment of length 1 foot with a pattern of segments that sum to 1 foot. The process is repeated, creating a self-similar fractal curve.

Diagram 1: A single segment of length 1 foot.

Diagram 2: The segment is replaced by a pattern of segments: one half inch (0.5 feet) and one half inch (0.5 feet). The total length is 1 foot.

Diagram 3: The segment is replaced by a pattern of segments: one half inch (0.5 feet), one half inch (0.5 feet), and one half inch (0.5 feet). The total length is 1 foot.

Diagram 4: The segment is replaced by a pattern of segments: one half inch (0.5 feet), one half inch (0.5 feet), and one half inch (0.5 feet). The total length is 1 foot.

Diagram 5: The segment is replaced by a pattern of segments: one half inch (0.5 feet), one half inch (0.5 feet), and one half inch (0.5 feet). The total length is 1 foot.

Diagram 6: The segment is replaced by a pattern of segments: one half inch (0.5 feet), one half inch (0.5 feet), and one half inch (0.5 feet). The total length is 1 foot.

Diagram 7: The segment is replaced by a pattern of segments: one half inch (0.5 feet), one half inch (0.5 feet), and one half inch (0.5 feet). The total length is 1 foot.

Diagram 8: The segment is replaced by a pattern of segments: one half inch (0.5 feet), one half inch (0.5 feet), and one half inch (0.5 feet). The total length is 1 foot.

Diagram 9: The segment is replaced by a pattern of segments: one half inch (0.5 feet), one half inch (0.5 feet), and one half inch (0.5 feet). The total length is 1 foot.

Diagram 10: The segment is replaced by a pattern of segments: one half inch (0.5 feet), one half inch (0.5 feet), and one half inch (0.5 feet). The total length is 1 foot.

Diagram 11: The segment is replaced by a pattern of segments: one half inch (0.5 feet), one half inch (0.5 feet), and one half inch (0.5 feet). The total length is 1 foot.

Diagram 12: The segment is replaced by a pattern of segments: one half inch (0.5 feet), one half inch (0.5 feet), and one half inch (0.5 feet). The total length is 1 foot.

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