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7.2.4

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[illegible]

Figure 12.5: A sequence of triangles illustrating the construction of the Cantor set. The first row shows a single triangle with vertices labeled 1, 2, 3. The second row shows four triangles, with the middle two labeled 4, 5, 6, 7. The third row shows sixteen triangles, with the middle four labeled 8, 9, 10, 11. The fourth row shows sixty-four triangles, with the middle sixteen labeled 12, 13, 14, 15. The triangles are arranged in a way that shows how the middle third of each side is removed at each step.