

Ca22 Me

$$1 = C$$

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Diagram illustrating the construction of a 7-ary tree from a 5-ary tree. The diagram shows three stages of the process, separated by vertical lines.

- Stage 1 (Left):** A 5-ary tree with root 1 and children 4, 5, 6, b_7 . The root is labeled b_7 below it.
- Stage 2 (Middle):** The 5-ary tree is expanded. The root 1 has children 4, 5, 6, and b_7 . The node b_7 is expanded into a 7-ary tree with root b_7 and children b_7 , 6, 5. The root is labeled b_7^{-7} below it.
- Stage 3 (Right):** The 7-ary tree is further expanded. The root 1 has children 4, 5, 6, and b_7 . The node b_7 is expanded into a 7-ary tree with root b_7 and children b_7 , 6, 5, b_6 , b_7 . The root is labeled b_5^7 below it.

The figure consists of five diagrams arranged horizontally, each showing a 2D cross-section of a 4-manifold. The regions are labeled with b_i and the 4-manifold is labeled below the diagram.

- Diagram 1:** Shows a cross-section with a top region labeled b_7 and a bottom region labeled b_3 . The 4-manifold is labeled $b_6^{\Delta^7}$ on the left and b_6^{Δ} on the right.
- Diagram 2:** Shows a cross-section with a top region labeled b_7 , a small top-right region labeled 1 , a middle-right region labeled b_7 , a bottom-right region labeled b_6 , and a small bottom-right region labeled 5 . The 4-manifold is labeled 4^- .
- Diagram 3:** Shows a cross-section with a top region labeled b_7 , a small top-right region labeled 1 , a middle-right region labeled b_7 , a bottom-right region labeled b_6 , and a small bottom-right region labeled 5 . The 4-manifold is labeled $b_6^{\Delta^7}$ on the left and b_6^{Δ} on the right.
- Diagram 4:** Shows a cross-section with a top region labeled b_7 , a small top-right region labeled 1 , a middle-right region labeled b_7 , a bottom-right region labeled b_6 , and a small bottom-right region labeled 5 . The 4-manifold is labeled 4^- .
- Diagram 5:** Shows a cross-section with a top region labeled b_7 , a small top-right region labeled 1 , a middle-right region labeled b_7 , a bottom-right region labeled b_6 , and a small bottom-right region labeled 5 . The 4-manifold is labeled 4^- .

2.

7 6 5 7 1 2 2 1 5 5 5

1

<p>2⁻⁷ 5⁷</p>	<p>2⁻⁷ 5⁷</p>	<p>1</p>	<p>5 5⁷</p>
<p>2⁻⁷ 5⁷</p>	<p>2⁻⁷ 5⁷</p>	<p>1</p>	<p>2⁻⁷</p>
<p><i>D.C. al Coda</i></p> <p>5⁷</p>	<p>♯</p> <p>4</p>	<p>1</p>	<p>1^{Δ7}</p>