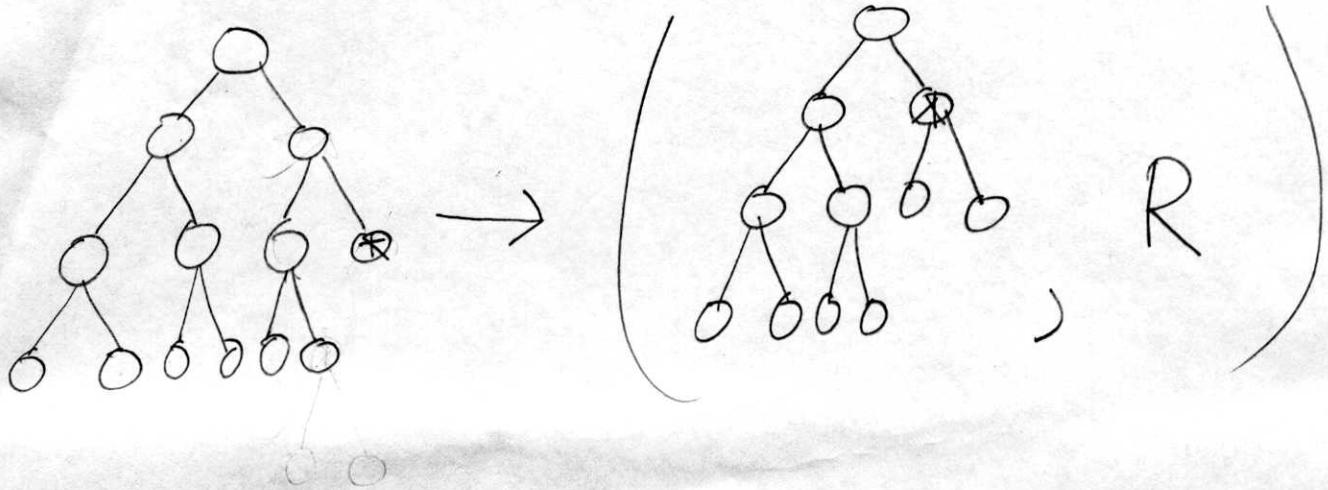
Farewell "Attendance Quiz" for Dr. Z.'s June 30, 2026 DIMACS REU Lecture

NAME: (print!) John Wu

E-MAIL ADDRESS: (print!) john_wu@princeton.edu

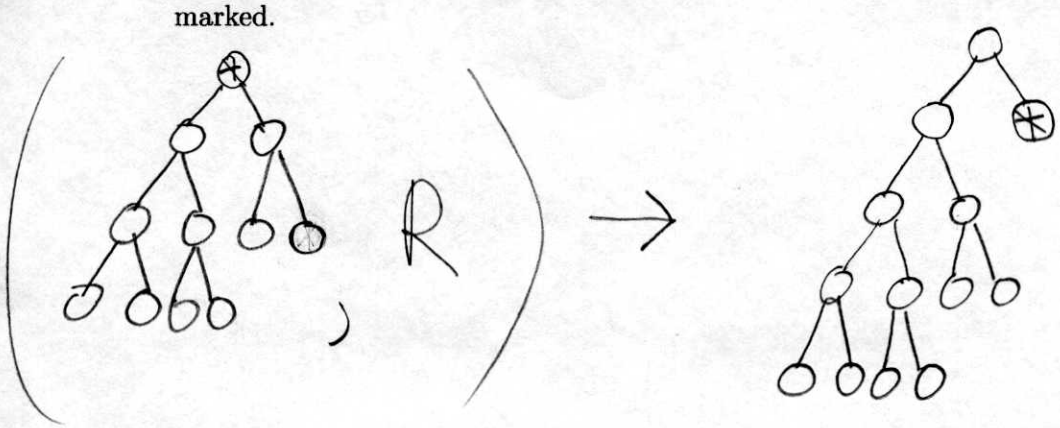
1. Draw a random (complete) binary tree with 7 leaves (and hence 6 internal vertices), Mark one of its leaves, thereby creating a leaf-marked binary tree. Then apply the Rémy mapping to it, outputting a pair [vertex-marked binary tree, member of $\{L, R\}$].



2. Draw a random (complete) binary tree with 11 vertices (6 of which are leaves, and 5 of which are internal vertices), Mark one of these vertices, and also pick a random member of $\{L, R\}$, hence getting a pair

$$[vertex-marked \quad binary \quad tree\,,\, a] \quad , a \in \{L, R\}.$$

Apply the reverse Rémy map and output a binary tree with 13 vertices where one of its 7 leaves is marked.



Farewell "Attendance Quiz" for Dr. Z.'s June 30, 2026 DIMACS REU Lecture

NAME: (print!) Ryan Liu

E-MAIL ADDRESS: (print!) ryanliu[illegible]2023@gmail.com

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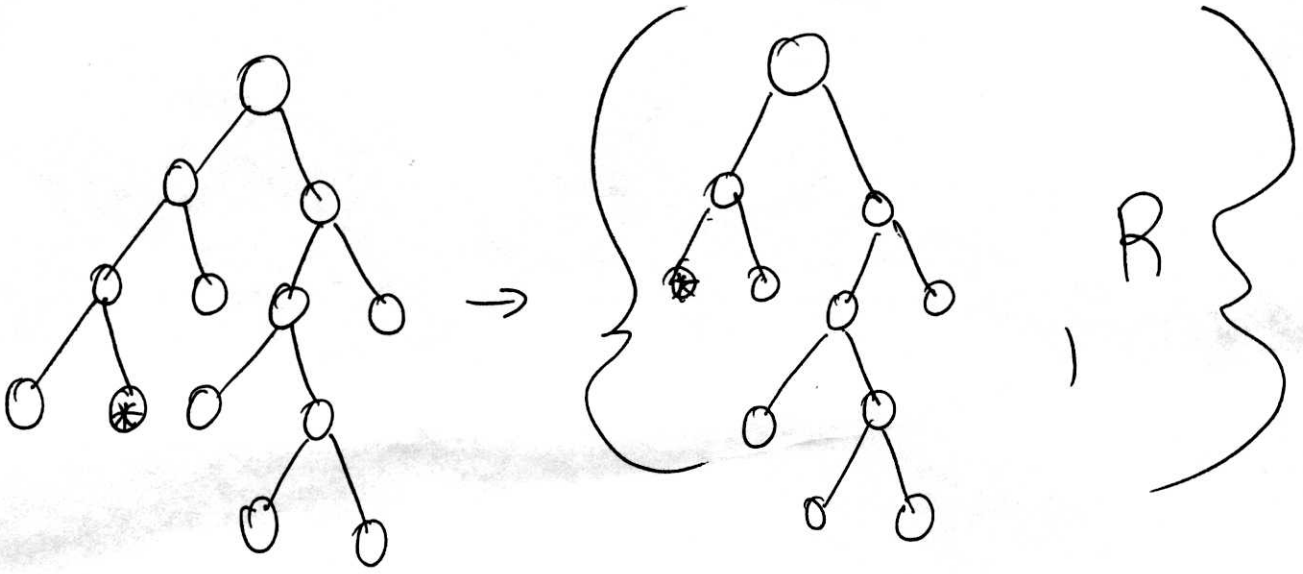

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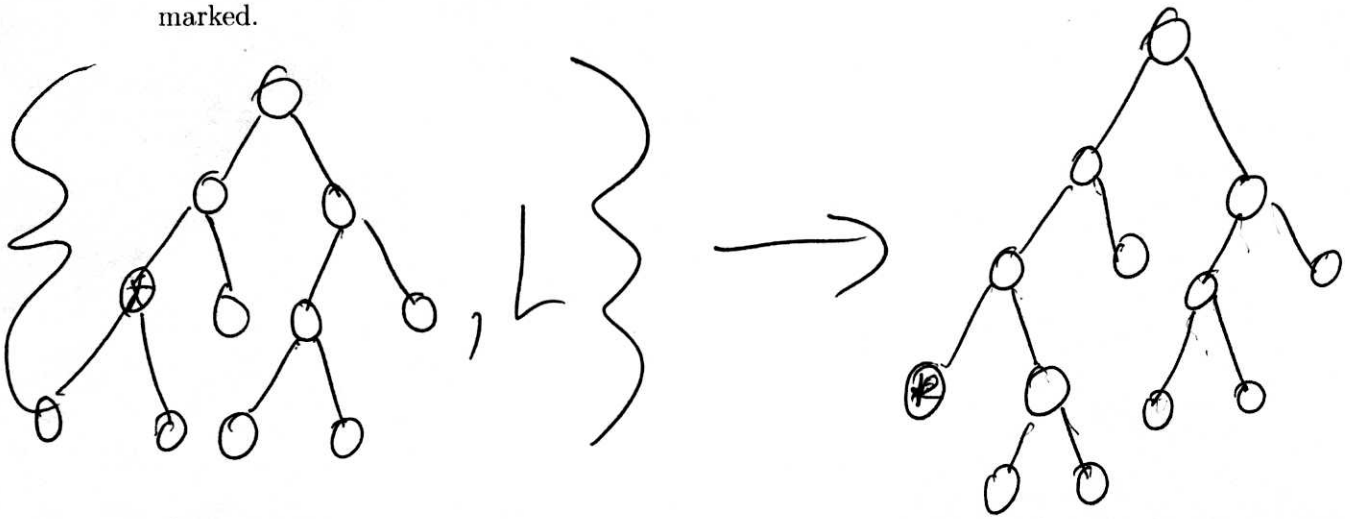
Apply the reverse Rémy map and output a binary tree with 13 vertices where one of its 7 leaves is marked.



Farewell "Attendance Quiz" for Dr. Z.'s June 30, 2026 DIMACS REU Lecture

NAME: (print!) Allison K & Sofia T

E-MAIL ADDRESS: (print!) svtsavetone@gmail.com
aklingler27@amherst.edu

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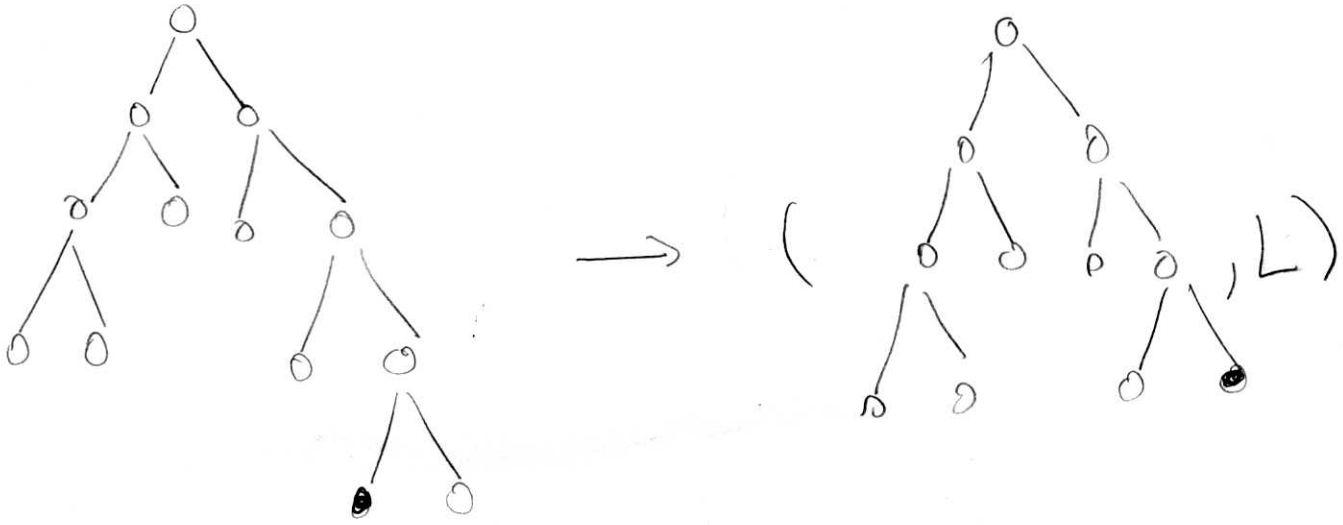

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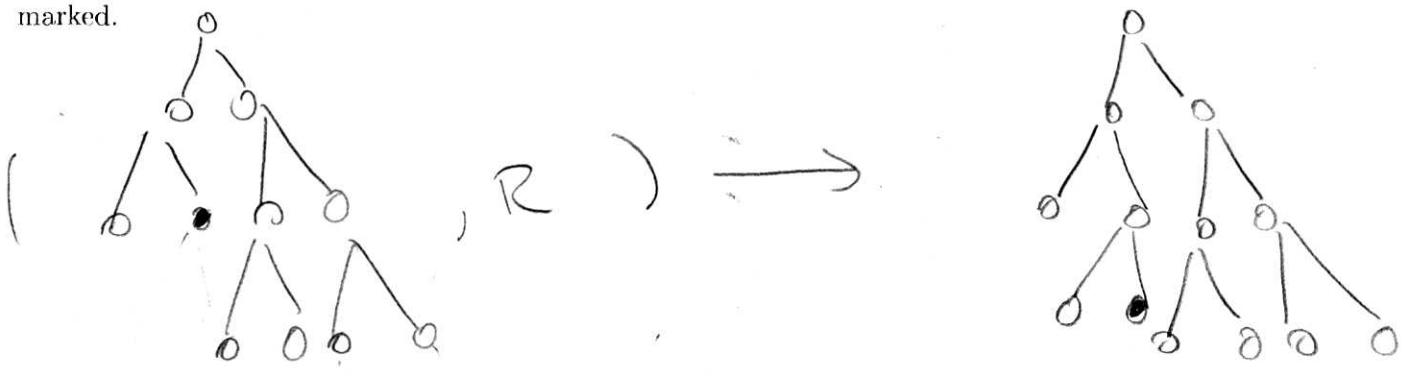
Apply the reverse Rémy map and output a binary tree with 13 vertices where one of its 7 leaves is marked.

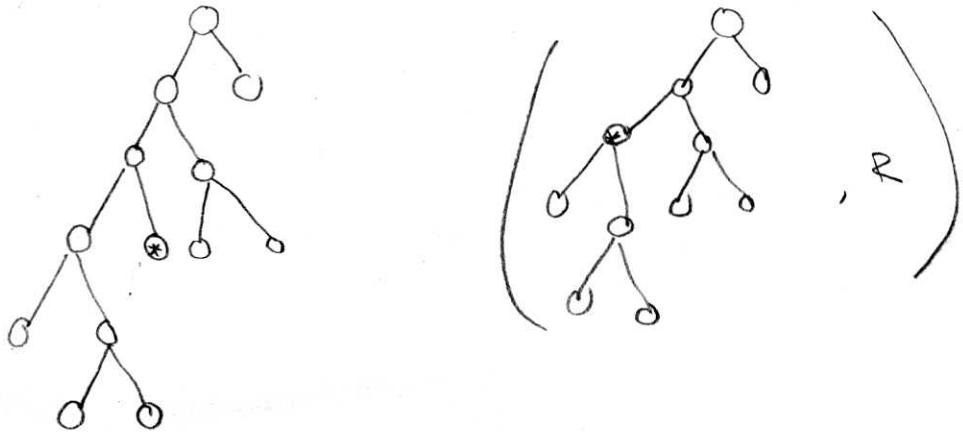


Farewell "Attendance Quiz" for Dr. Z.'s June 30, 2026 DIMACS REU Lecture

NAME: (print!) Lillian MacArthur and Sonia Gutierrez

E-MAIL ADDRESS: (print!) lcmacarthur@college.harvard.edu

1. Draw a random (complete) binary tree with 7 leaves (and hence 6 internal vertices), Mark one of its leaves, thereby creating a leaf-marked binary tree. Then apply the Rémy mapping to it, outputting a pair [vertex-marked binary tree, member of $\{L, R\}$].



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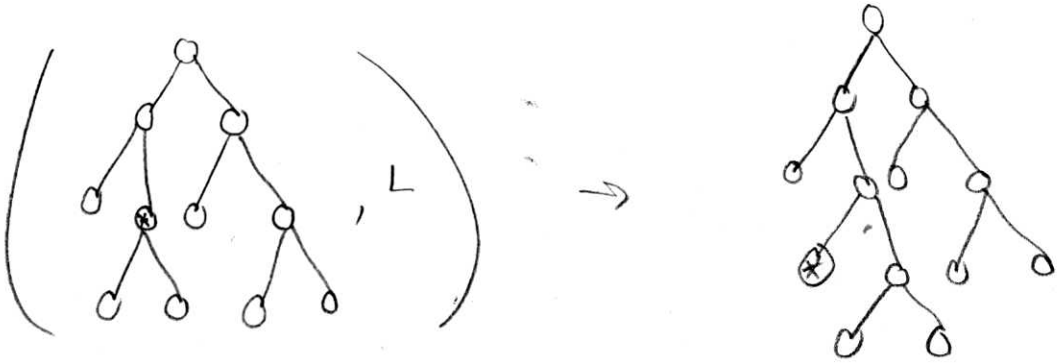
Apply the reverse Rémy map and output a binary tree with 13 vertices where one of its 7 leaves is marked.



Farewell "Attendance Quiz" for Dr. Z.'s June 30, 2026 DIMACS REU Lecture

NAME: (print!) Neil Krishnan

E-MAIL ADDRESS: (print!) neilkrishnan1@gmail.com.

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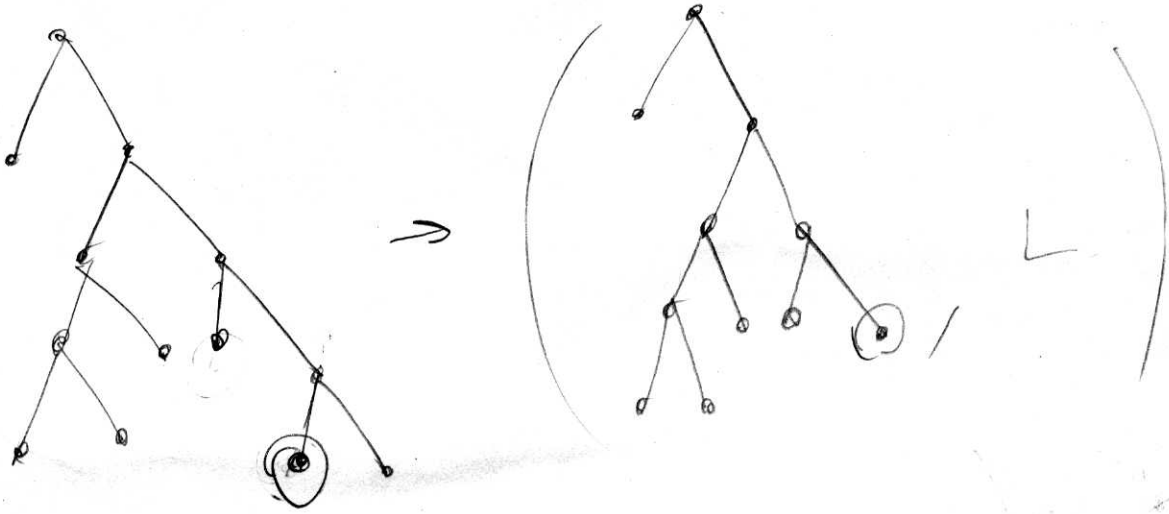
Very cool by John!



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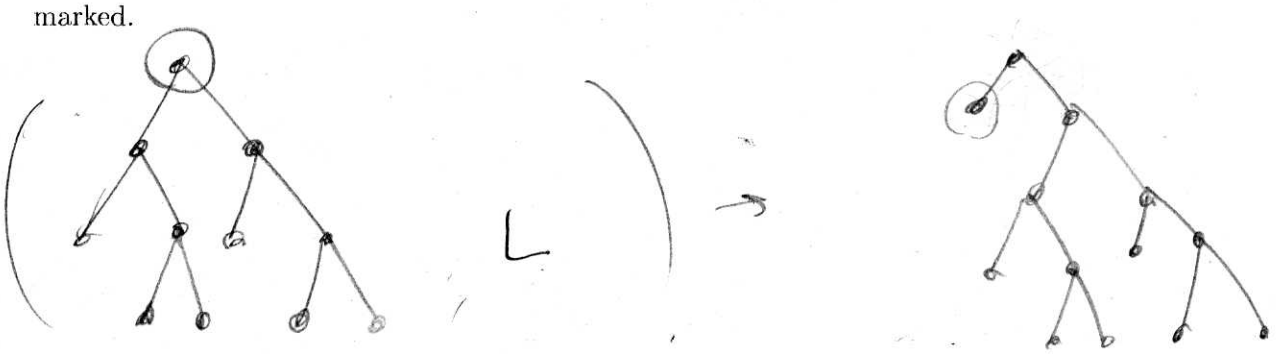
Apply the reverse Rémy map and output a binary tree with 13 vertices where one of its 7 leaves is marked.



Farewell "Attendance Quiz" for Dr. Z.'s June 30, 2026 DIMACS REU Lecture

NAME: (print!) CLARICE ANDORNO

E-MAIL ADDRESS: (print!) CLARYANDO2004@GMAIL.COM

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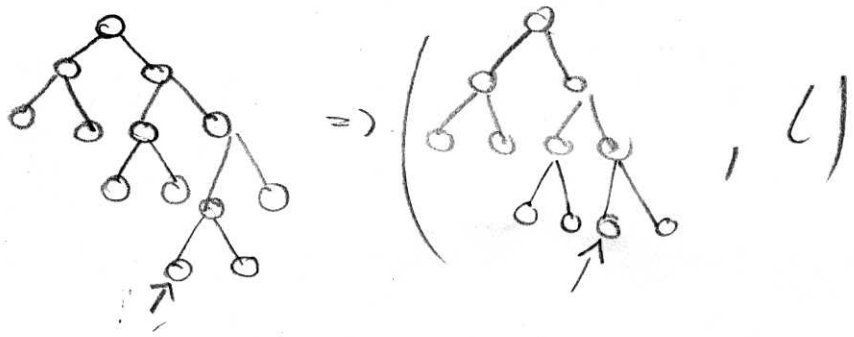

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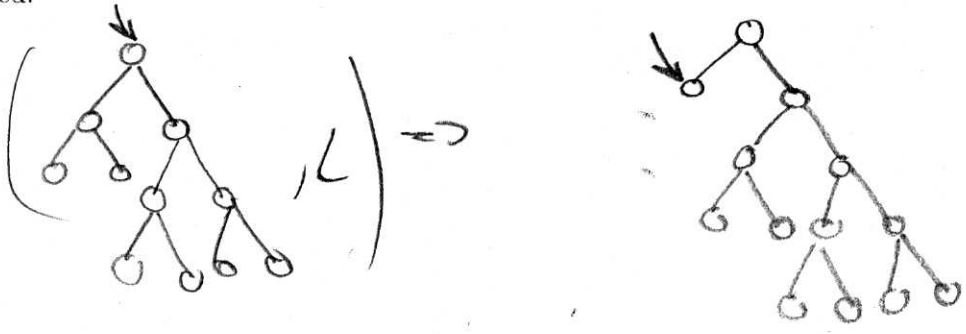
Apply the reverse Rémy map and output a binary tree with 13 vertices where one of its 7 leaves is marked.



Farewell "Attendance Quiz" for Dr. Z.'s June 30, 2026 DIMACS REU Lecture

NAME: (print!) Eli Yallon

E-MAIL ADDRESS: (print!) yallon eli@gmail.com

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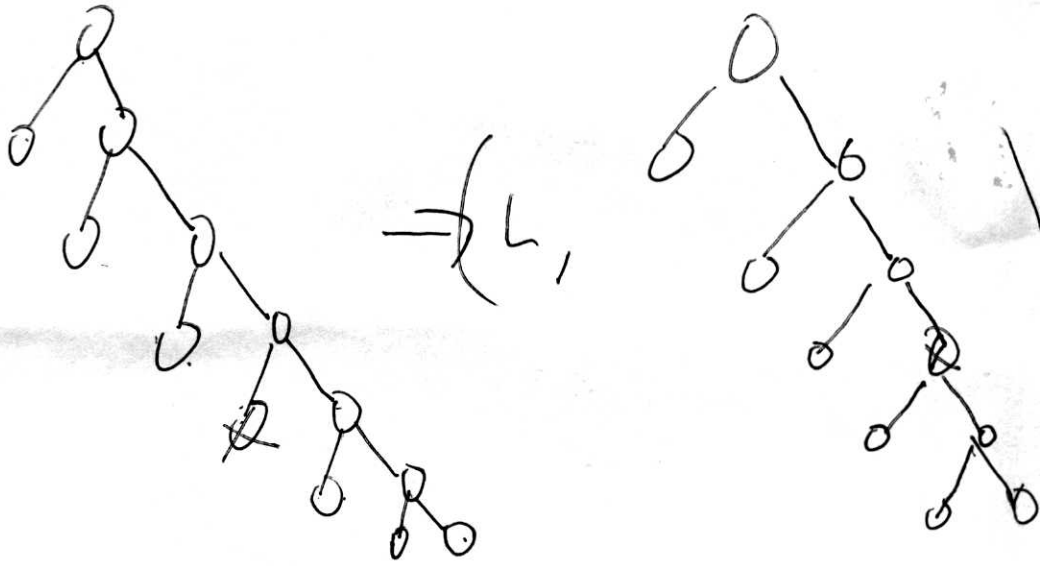

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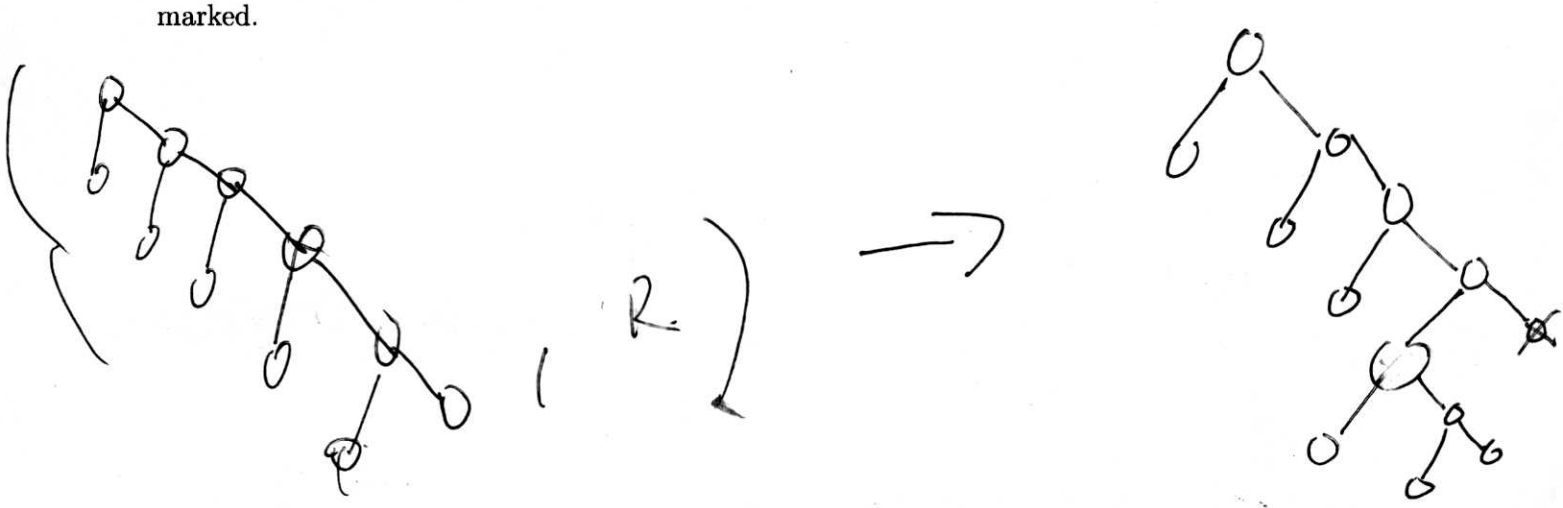
Apply the reverse Rémy map and output a binary tree with 13 vertices where one of its 7 leaves is marked.



Farewell "Attendance Quiz" for Dr. Z.'s June 30, 2026 DIMACS REU Lecture

NAME: (print!) Antigone Stark

E-MAIL ADDRESS: (print!) kgc8tv@virginia.edu

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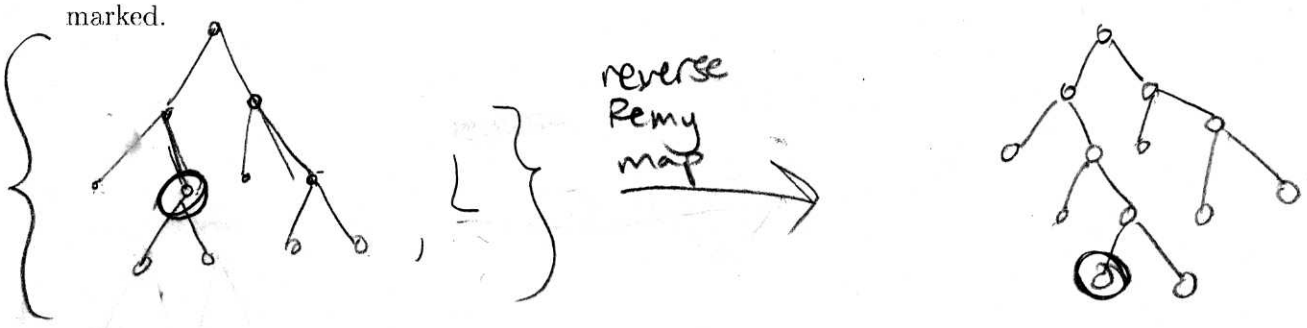
Apply the reverse Rémy map and output a binary tree with 13 vertices where one of its 7 leaves is marked.



Farewell "Attendance Quiz" for Dr. Z.'s June 30, 2026 DIMACS REU Lecture

NAME: (print!) Emmett Mighdoll

E-MAIL ADDRESS: (print!) mighdolle@carleton.edu

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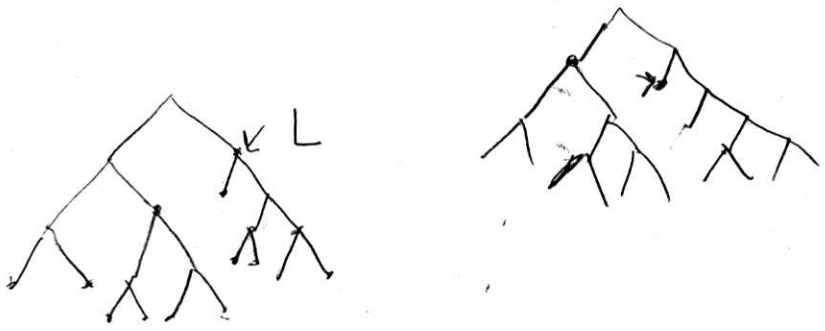
Apply the reverse Rémy map and output a binary tree with 13 vertices where one of its 7 leaves is marked.



Farewell "Attendance Quiz" for Dr. Z.'s June 30, 2026 DIMACS REU Lecture

NAME: (print!) Gal

E-MAIL ADDRESS: (print!) _____

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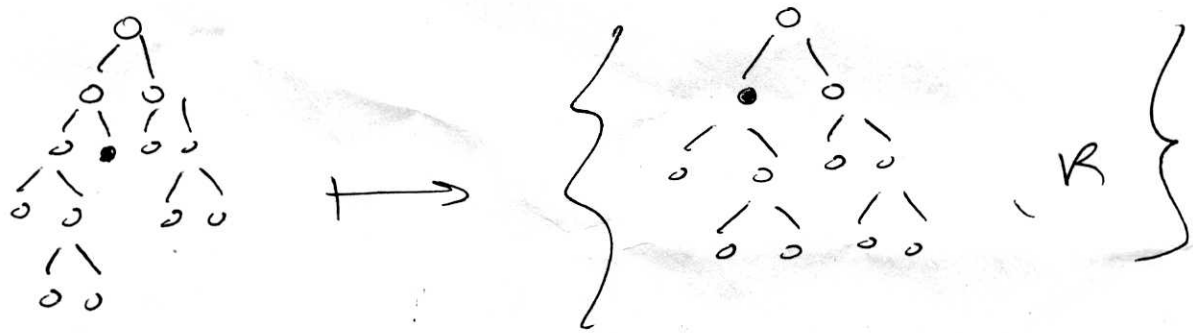

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Apply the reverse Rémy map and output a binary tree with 13 vertices where one of its 7 leaves is marked.