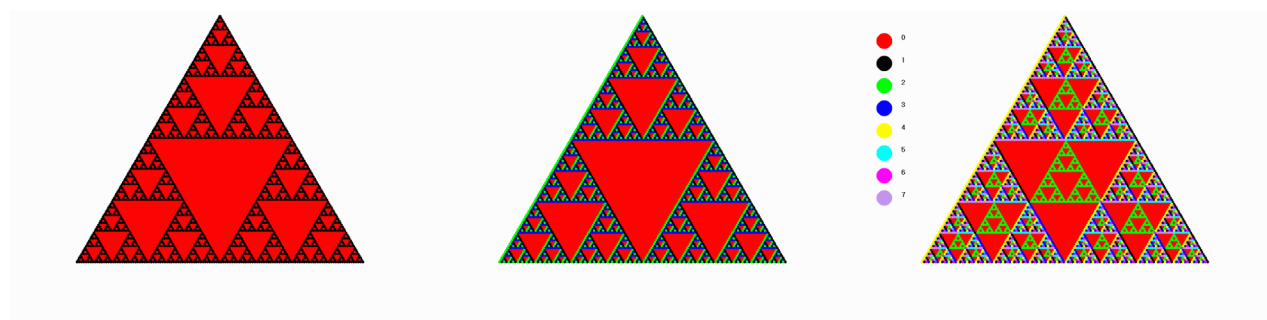


Fractal Dimensions in the PascGalois Triangle

Michael J. Bardzell and Kathleen M. Shannon
Salisbury State University

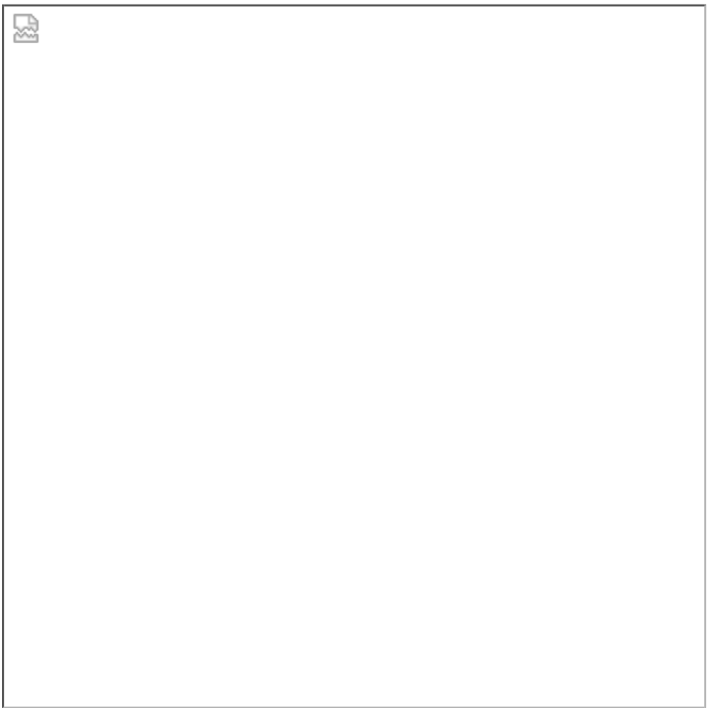


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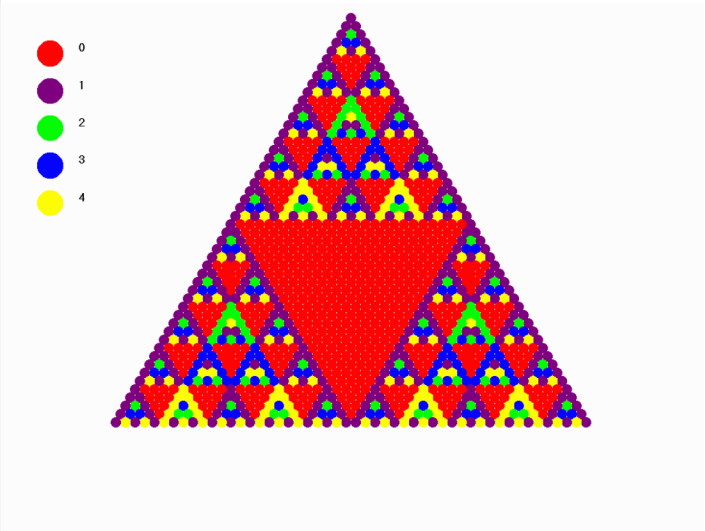
Return to



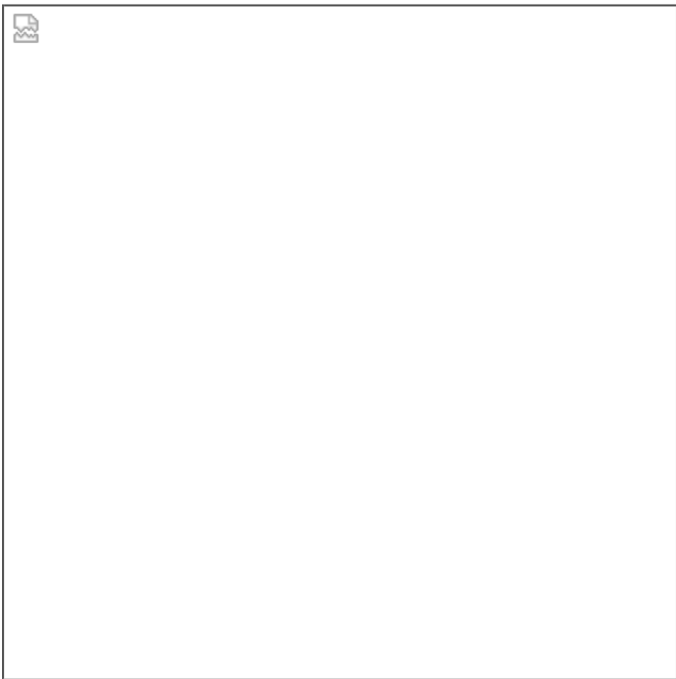
$\mathbb{Z}_5$



$\Rightarrow$

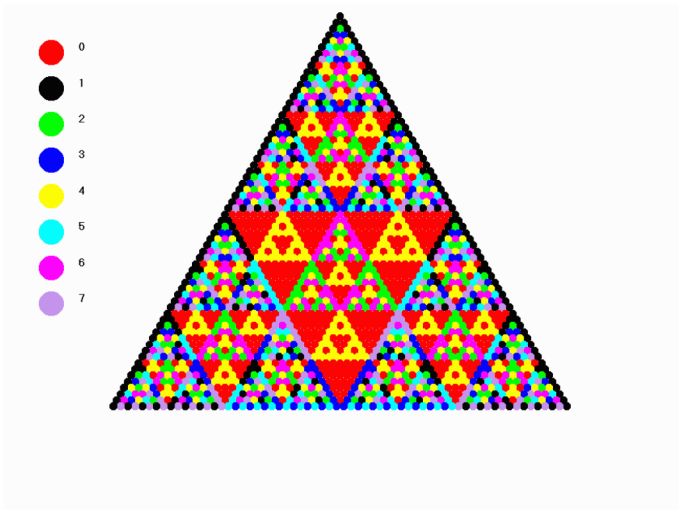


$\mathbb{Z}_8$

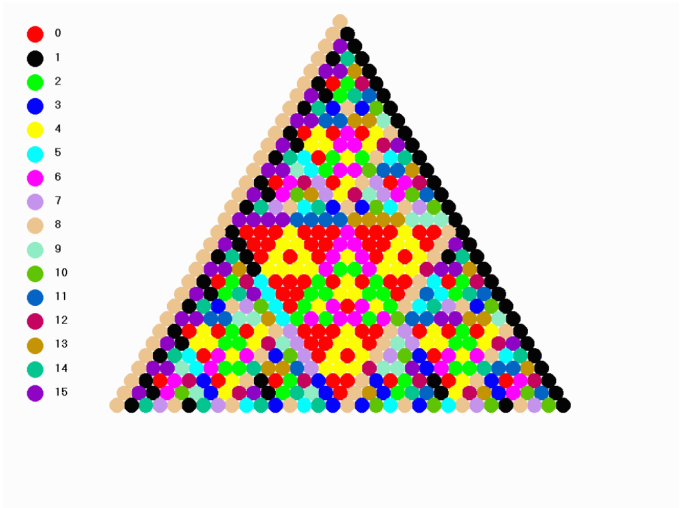
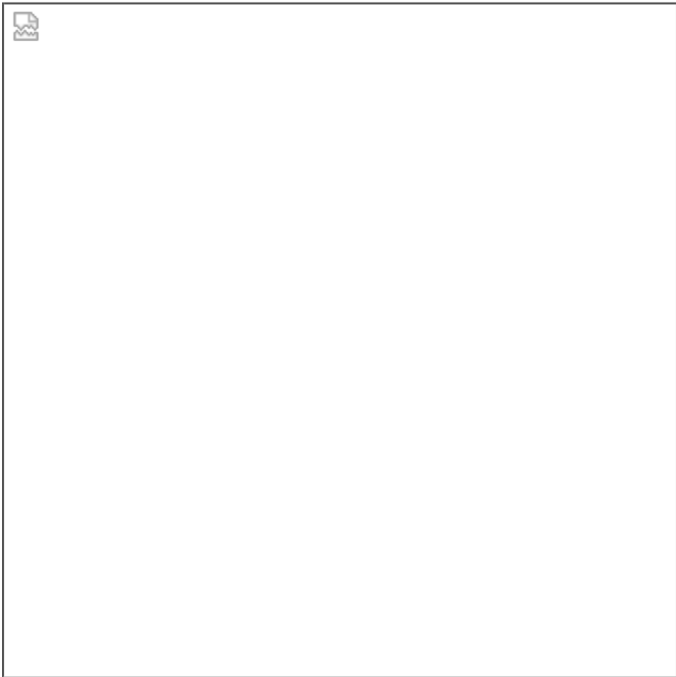


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D₈

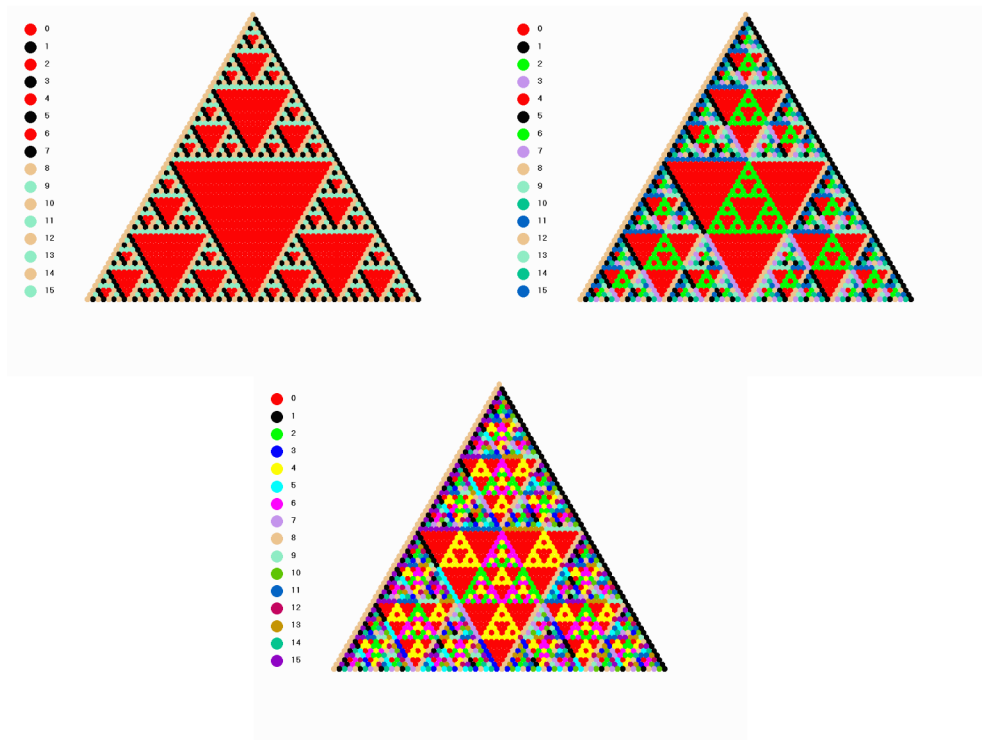


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zoom out
mod out



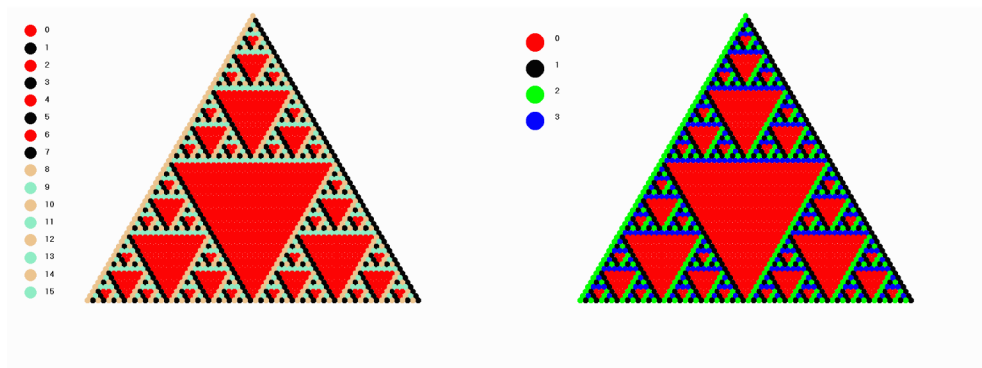
D₈



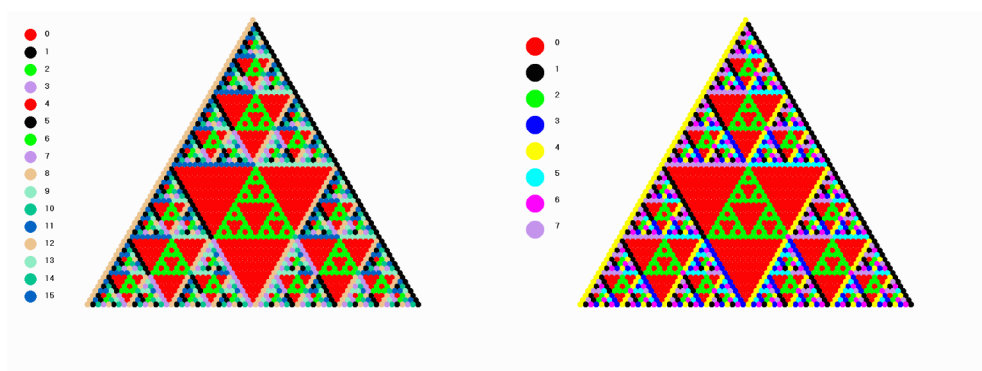
[Back to the main D₈ page](#)
[Identify the triangles](#)



D_8 mod 45 degree rotations and $Z_2 \times Z_2$



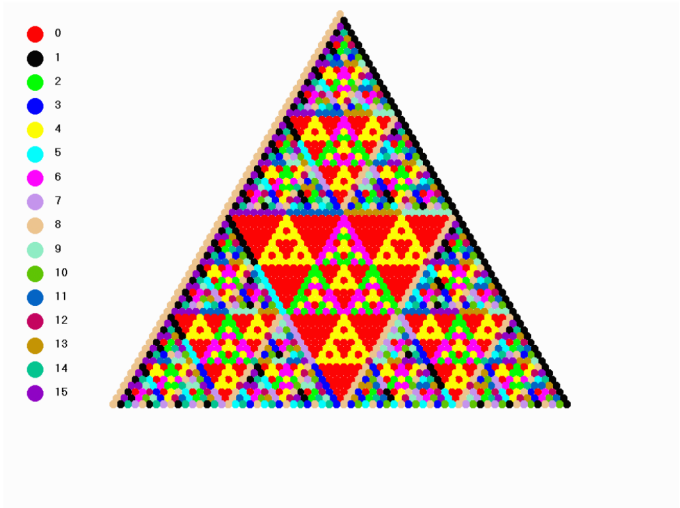
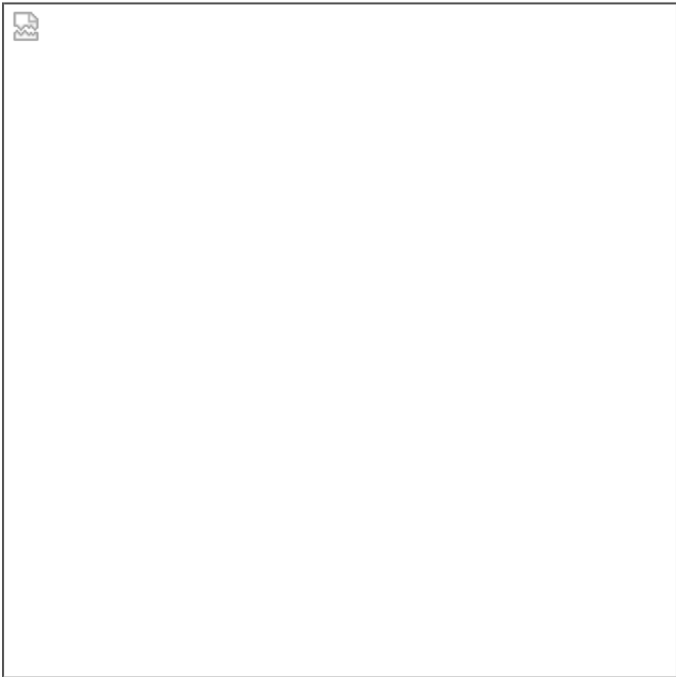
D_8 mod 180 degree rotations and D_4



[Back to the main \$D_8\$ page](#)



D₈

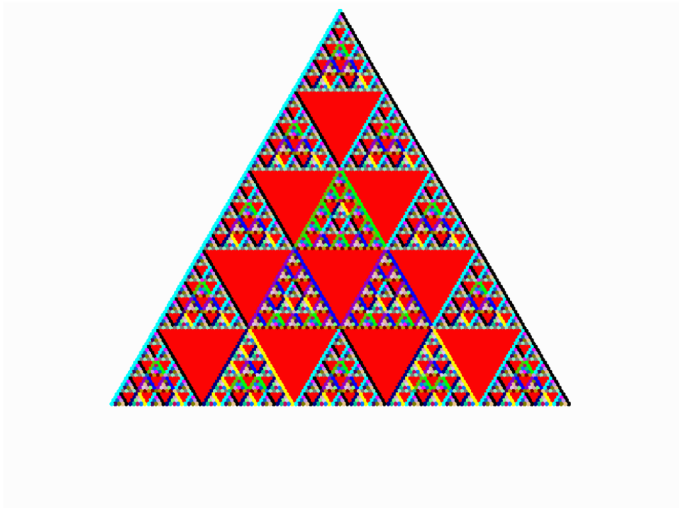
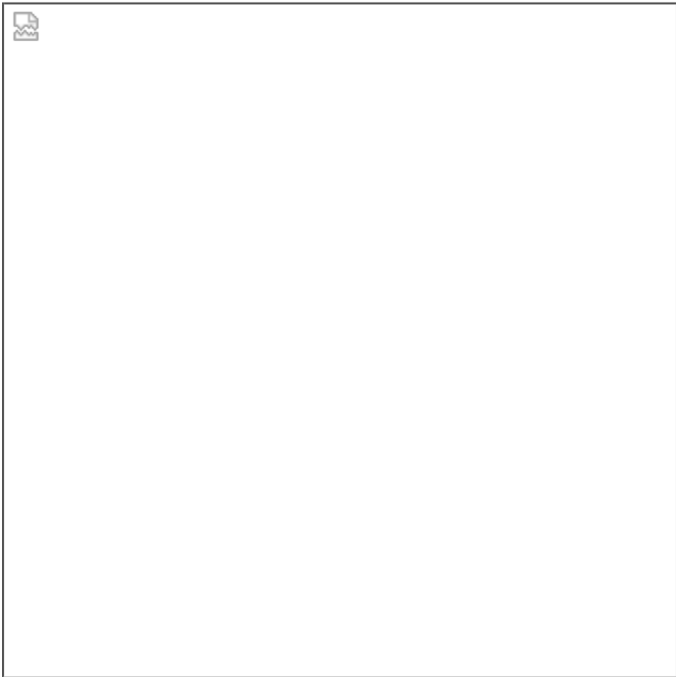


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zoom in



$\mathbb{Z}_5 \times \mathbb{Z}_5$

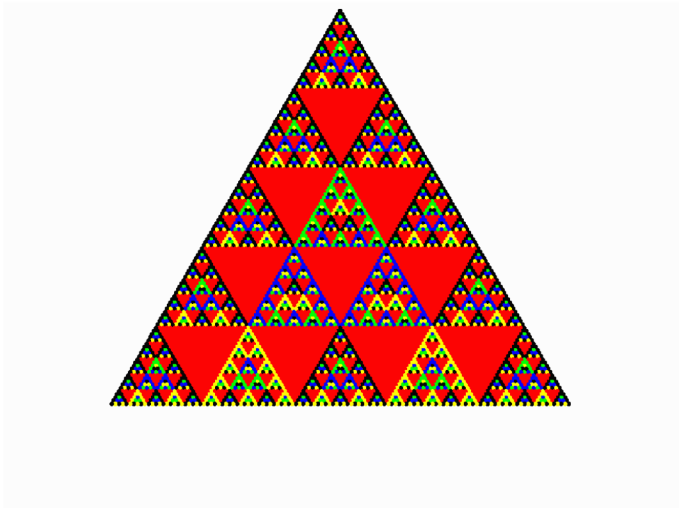
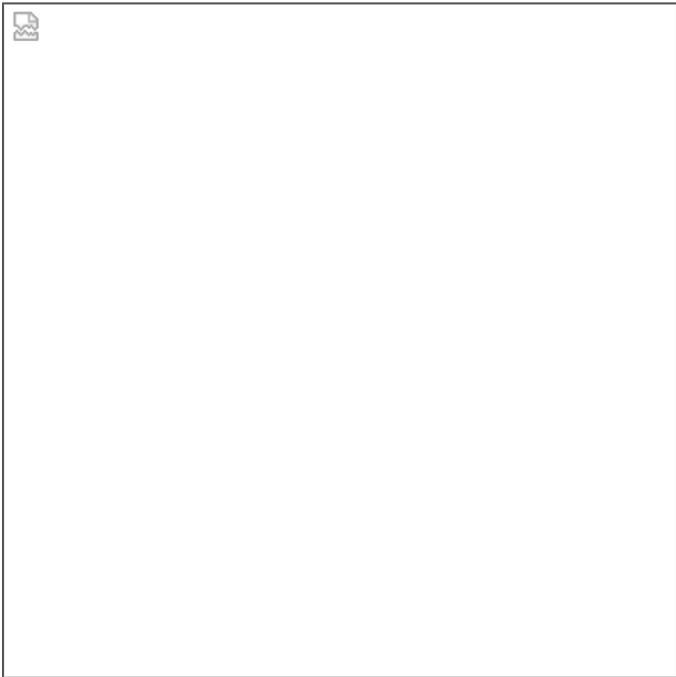


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mod out



$\mathbb{Z}_5 \times \mathbb{Z}_5$

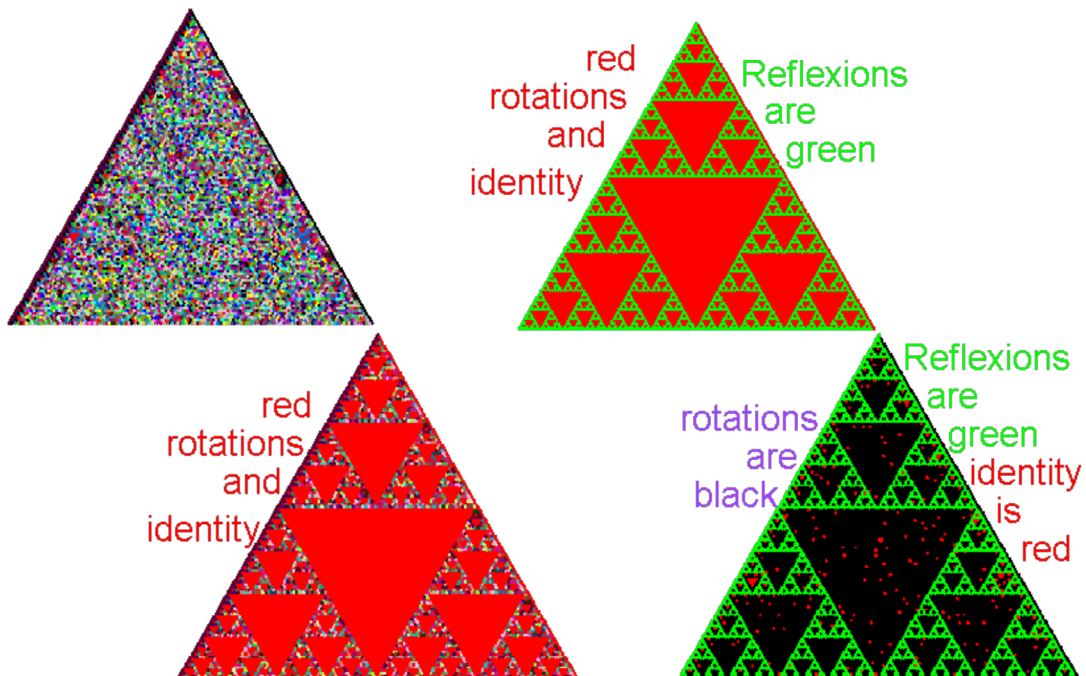


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mod in



D₃₃



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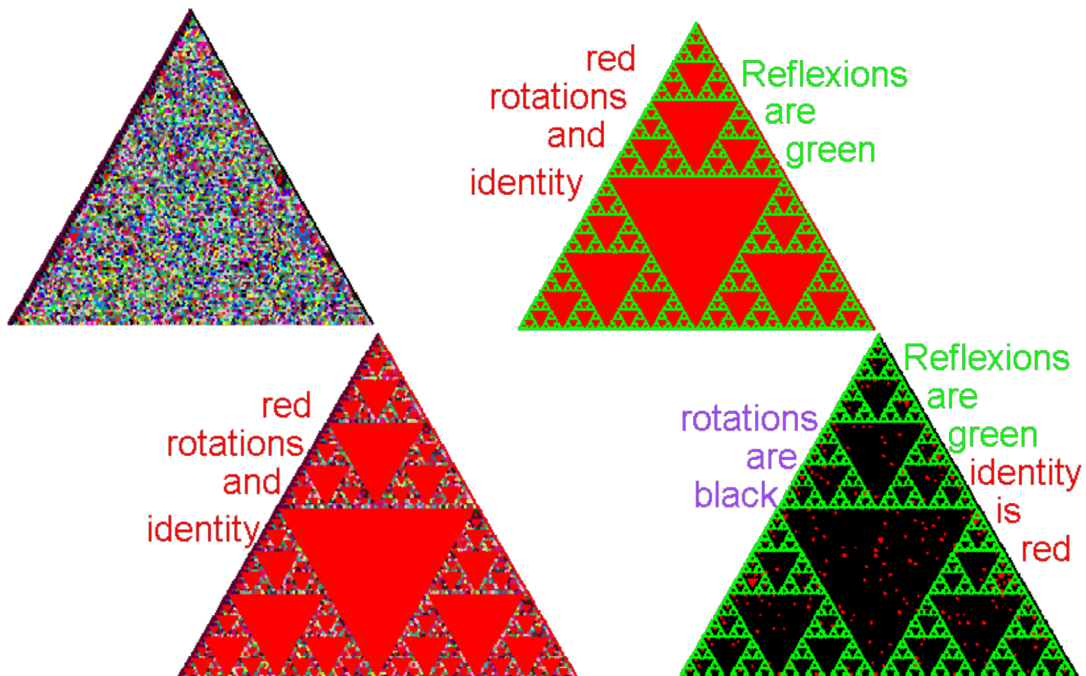
animate 3 choices
dissolve

-->

Animate -

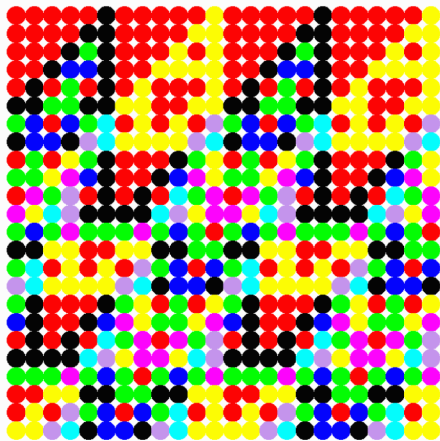
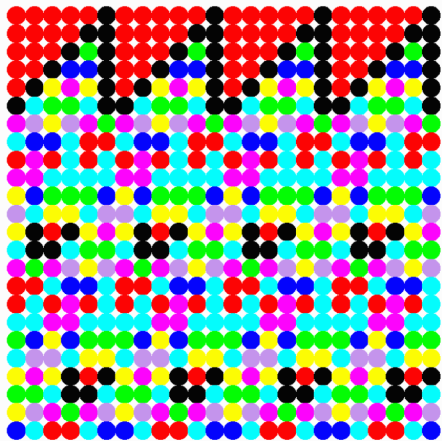


D₃₃



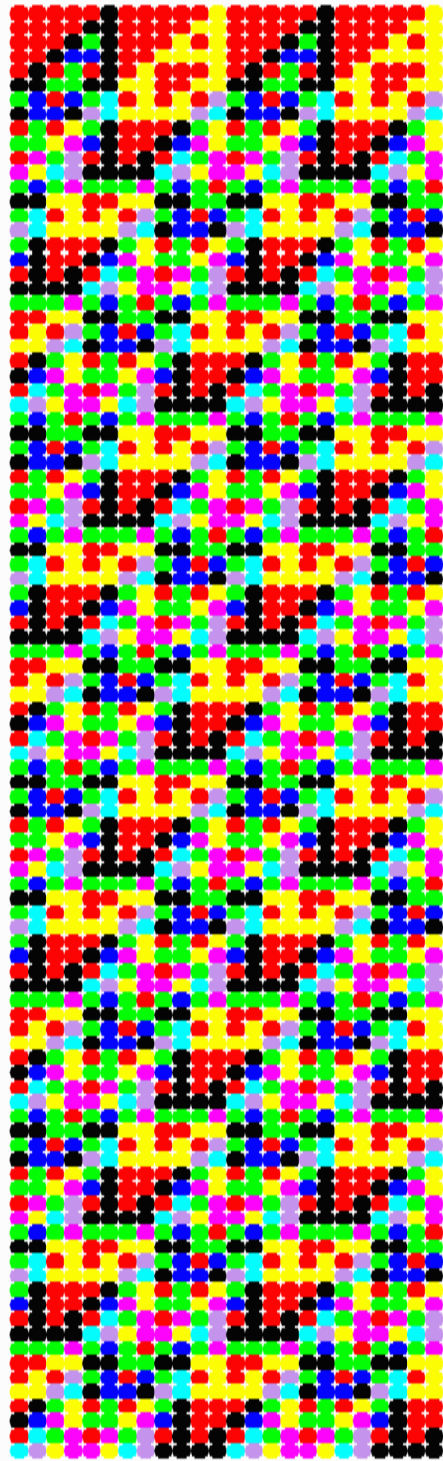
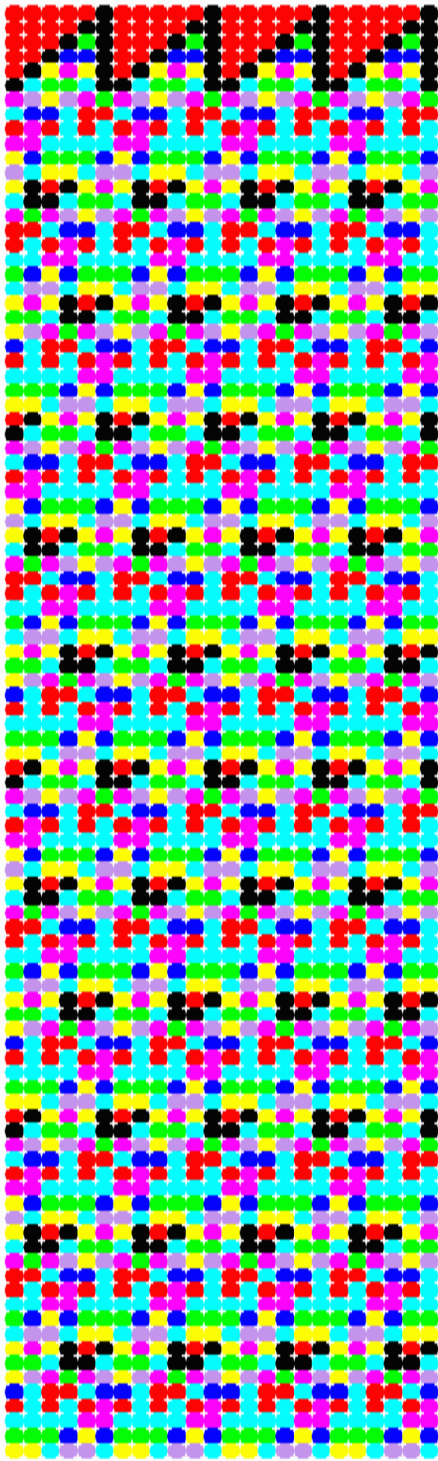
[Back to the main D₃₃ page](#)





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