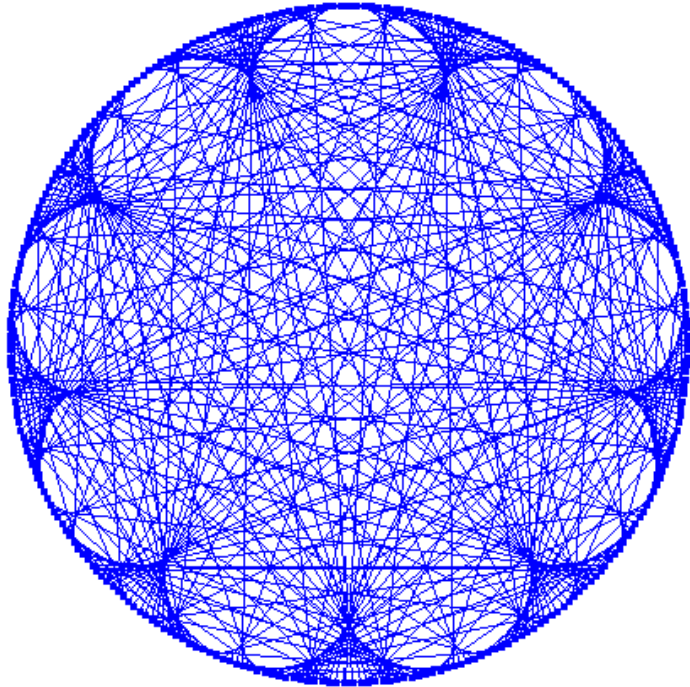


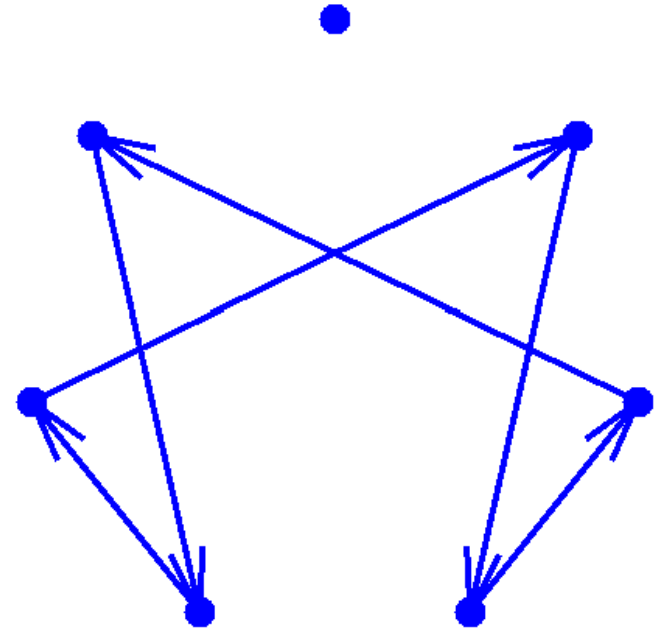
Divisibility Rules with Graphs



Catching dreams

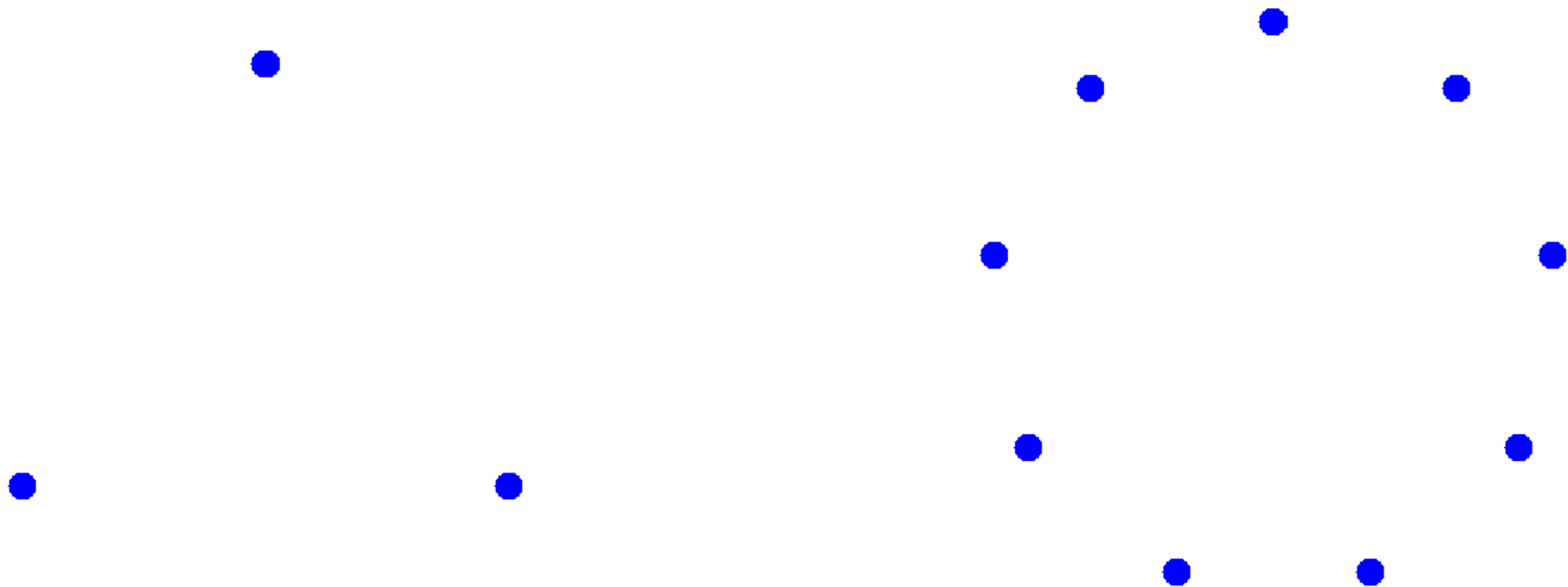
Check for 7

532

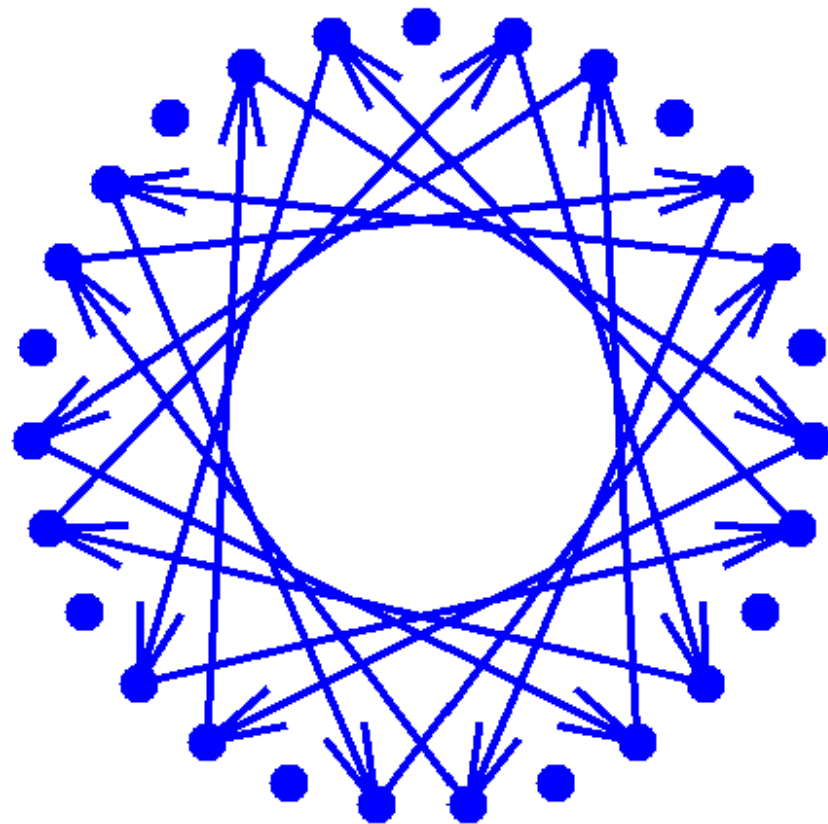


- Count clockwise from top of the graph
- Follow the arrow when taking on the next digit.
- Ending on top \leftrightarrow number is divisible by 7

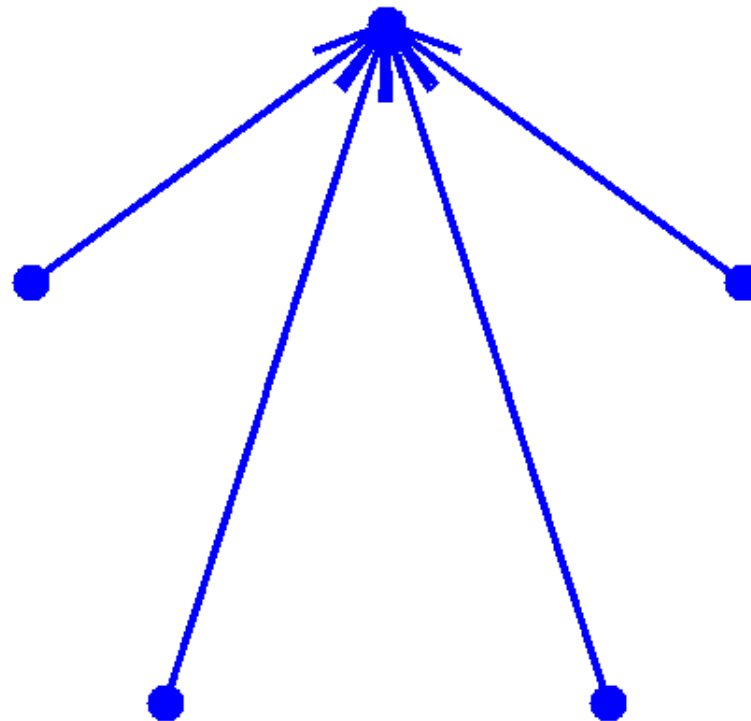
Revisited: rules for 3 and 9



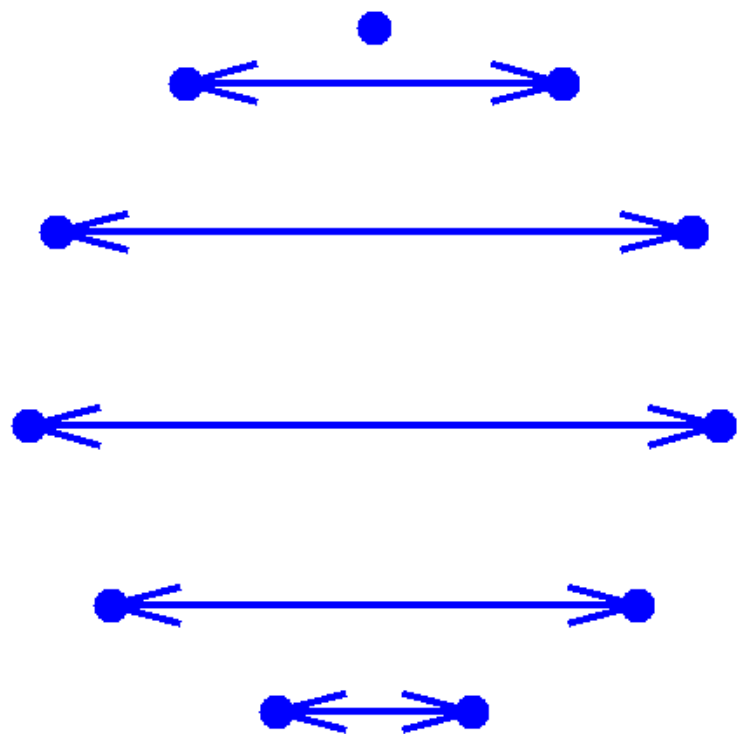
Why not 27



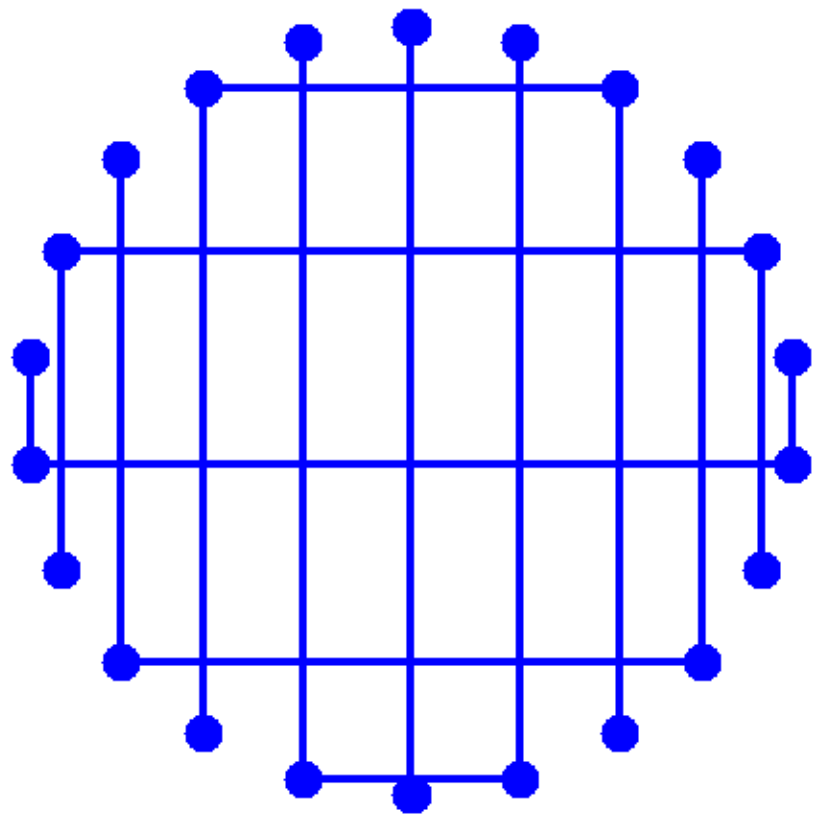
Revisited: rules for 2 and 5



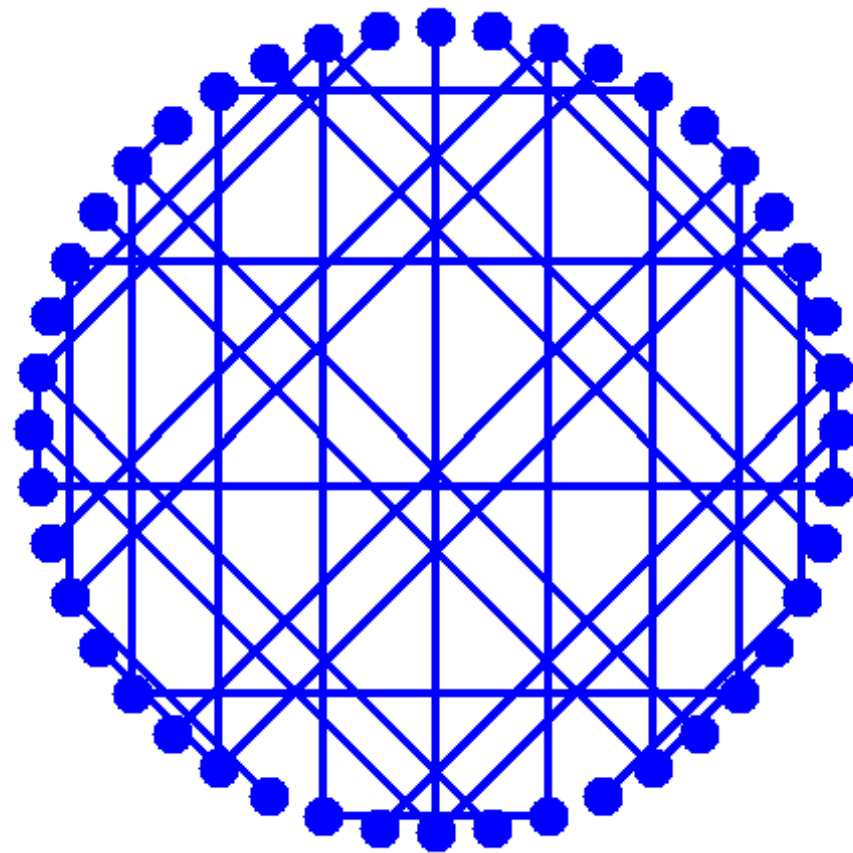
Revisited: rules for 11



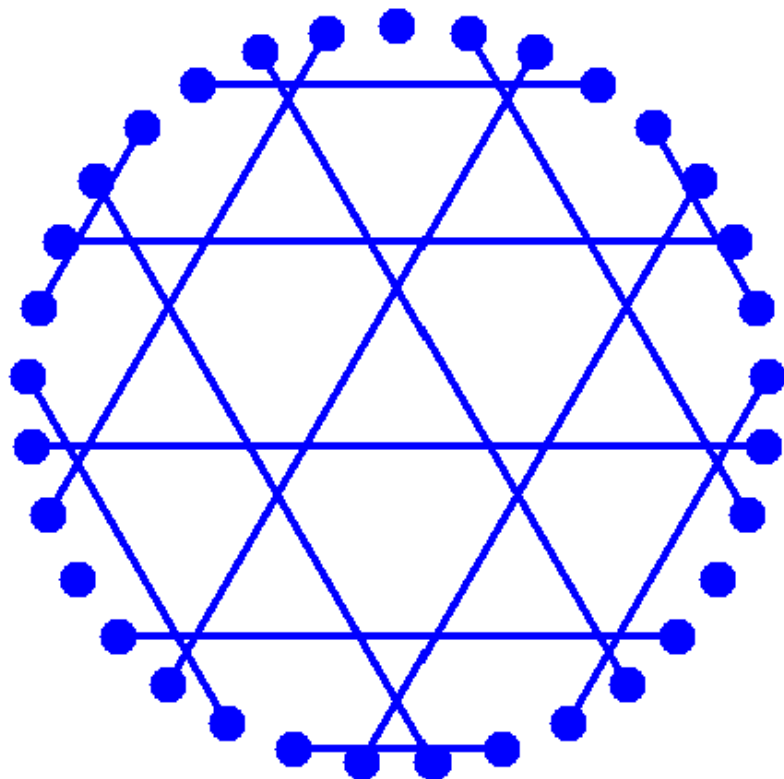
22



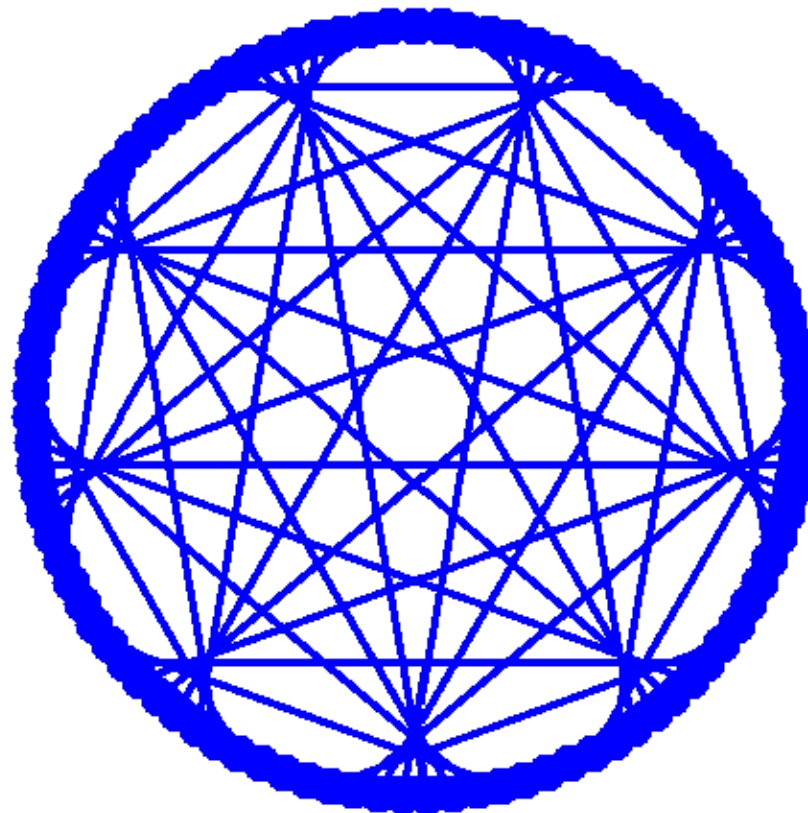
44



33

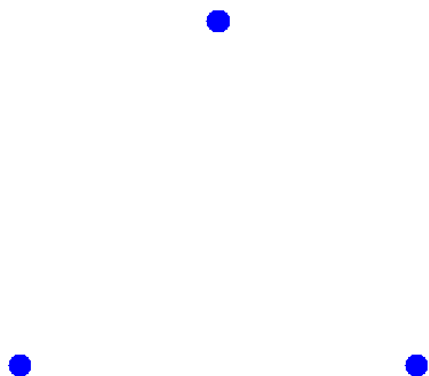


99

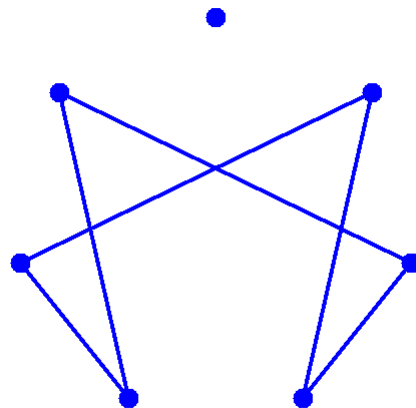


Combining

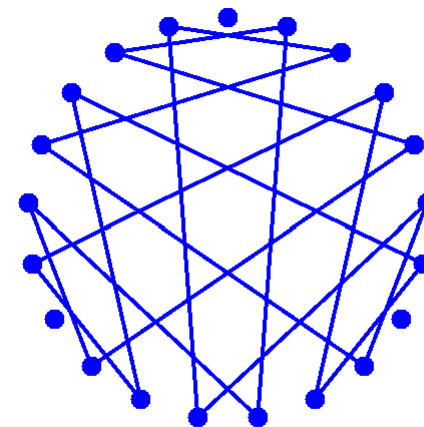
3



7

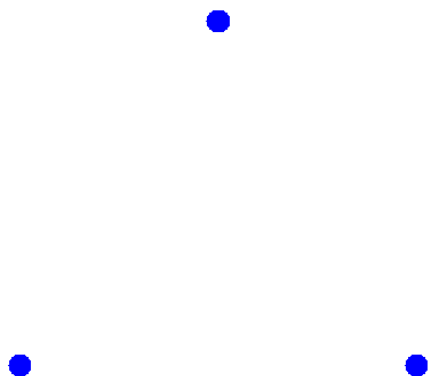


21

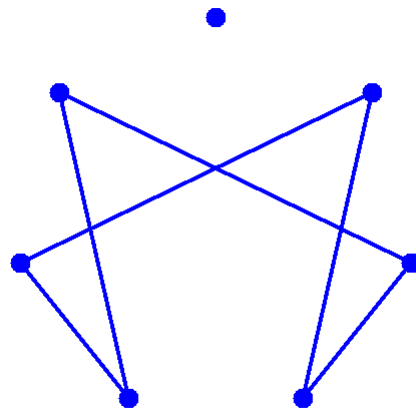


Combining

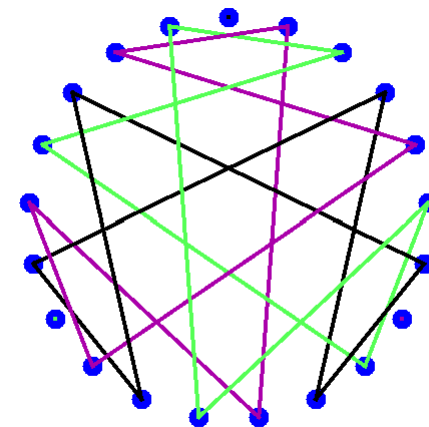
3



7

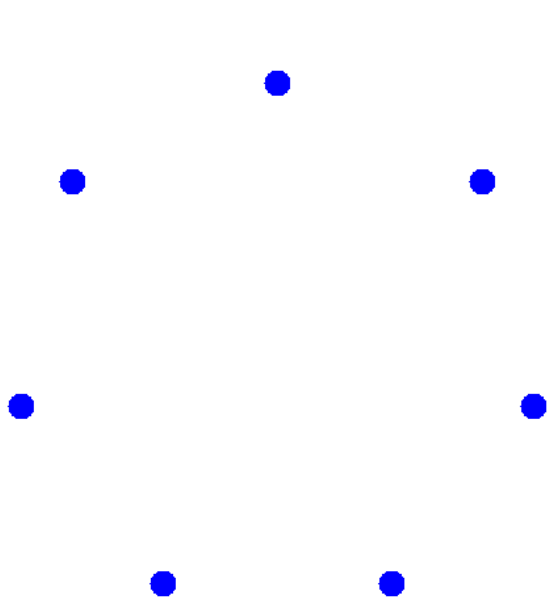


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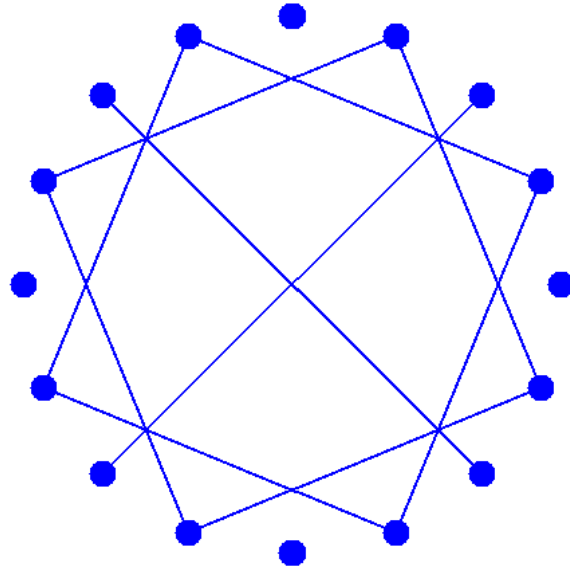


Change the base

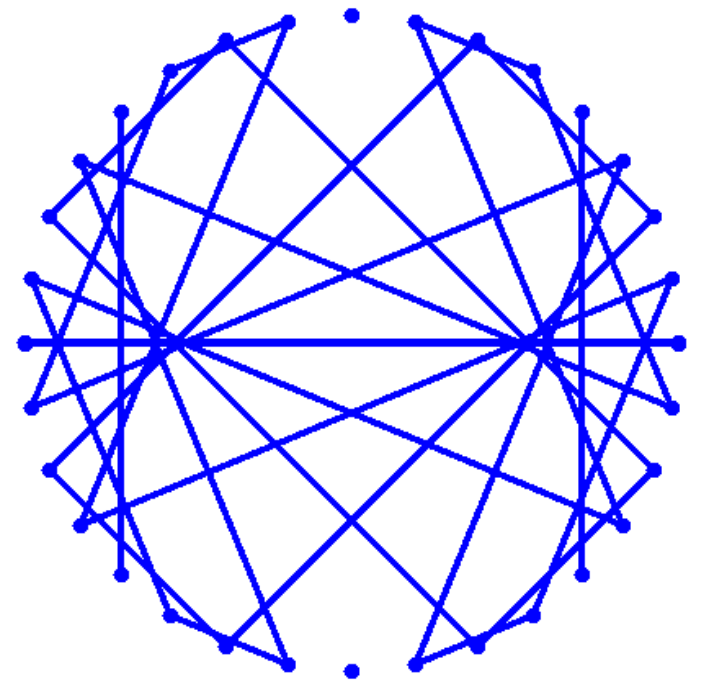
7 in base 8



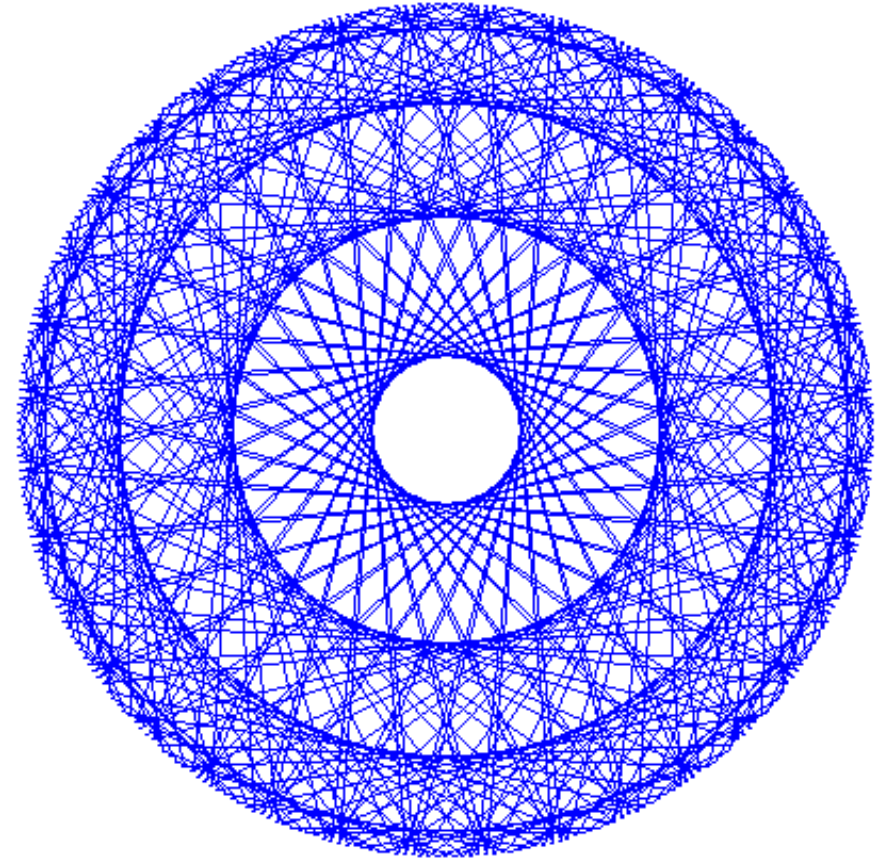
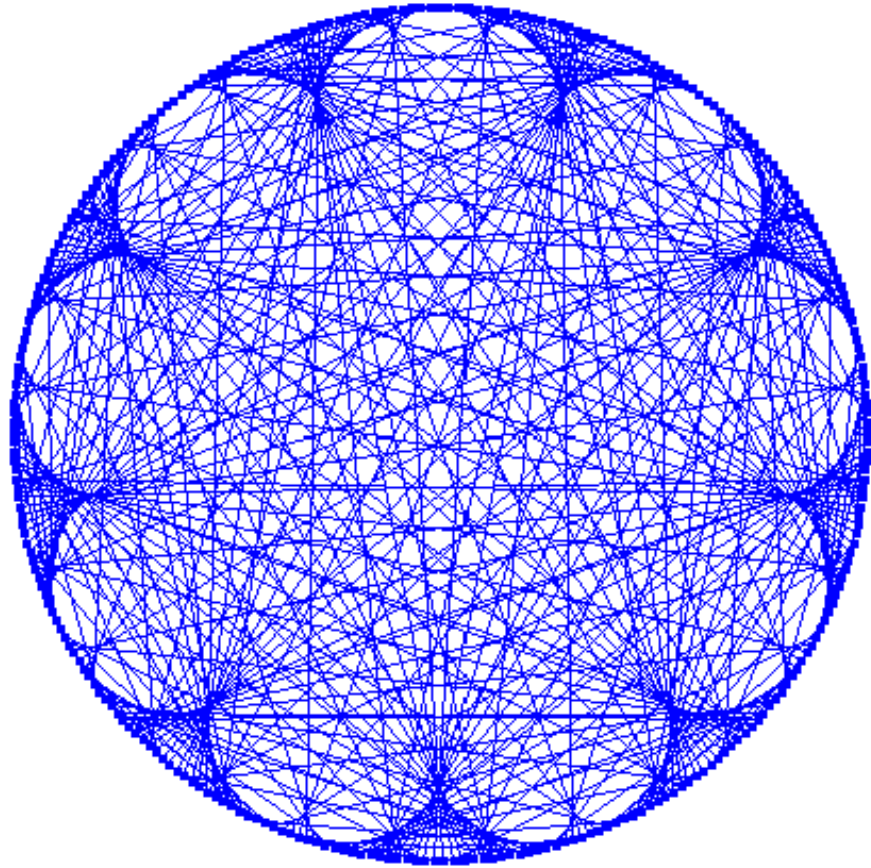
8 in base 5



32 in base 11



Other cool stuff: 17^2 in base 10 and 18^2



See me afterwards, if you want to know a divisibility check for 7, which you could remember