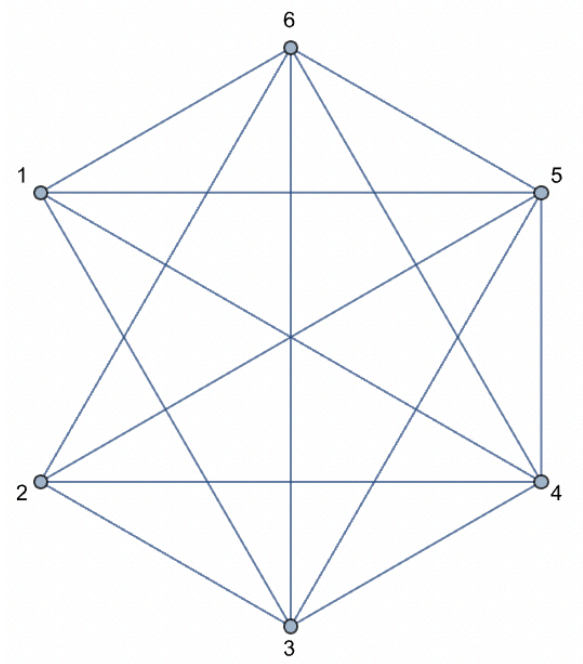
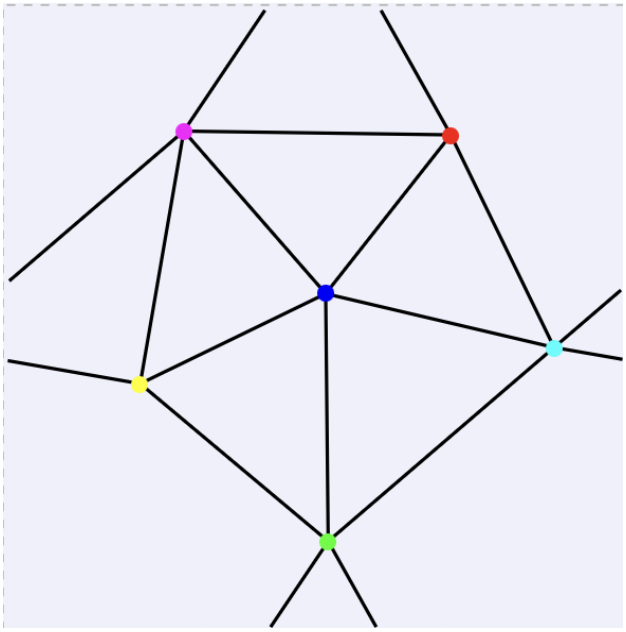
All maxnIL graphs in this paper sourced from:
Ramin Naimi et al. The Complement Problem for Linklessly Embeddable Graphs (Ancillary). https://arxiv.org/src/2108.12946v3/anc/MaxnIL_graphs_of_orders_up_to_11.pdf.2022.
arXiv: 2108.12946 [math.GT].

MTN graphs on 6 vertices

K_6 - e (maxnIL)





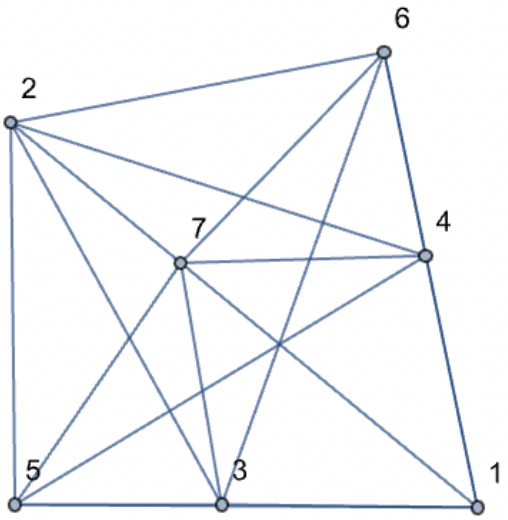
In the embedding:
1 → Red
2 → Yellow
3 → Green
4 → Light Blue
5 → Dark Blue
6 → Fuschia

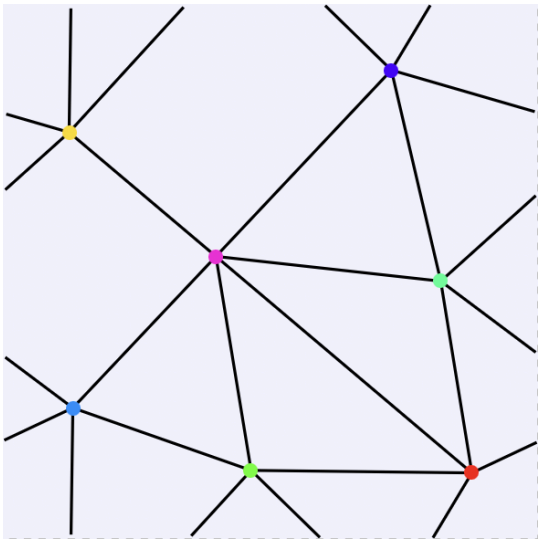
MTN Graphs on 7 vertices

All graphs are maxnIL

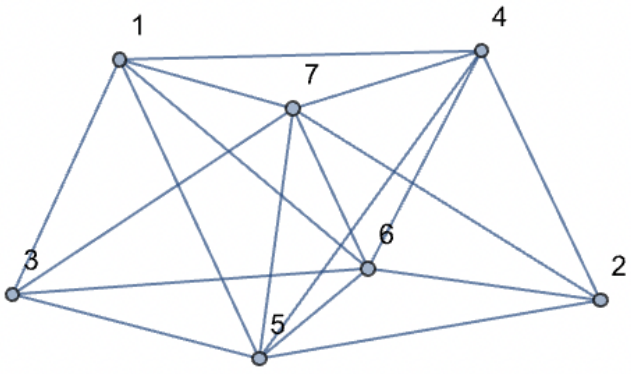
For all embeddings in this section:
1 → Red, 2 → Yellow, 3 → Green, 4 → Teal, 5 → Blue, 6 → Dark Blue, 7 → Fuschia

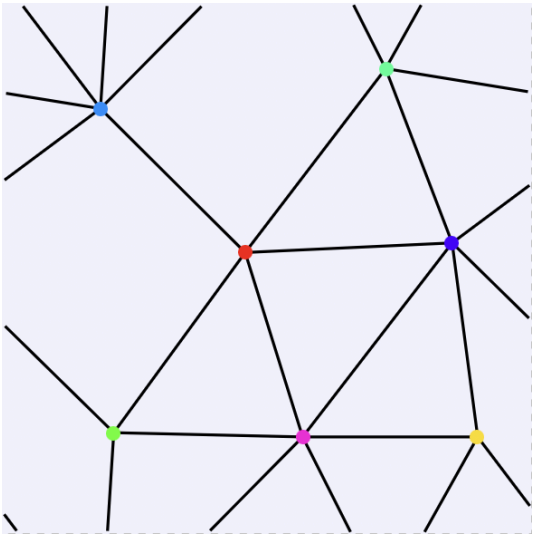
7_1
(Mathematica's rendering conceals the edges {1,5} and {1,6})





7_2

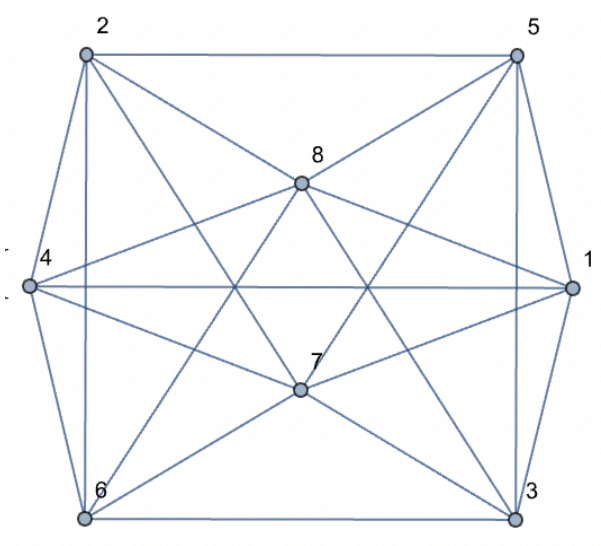


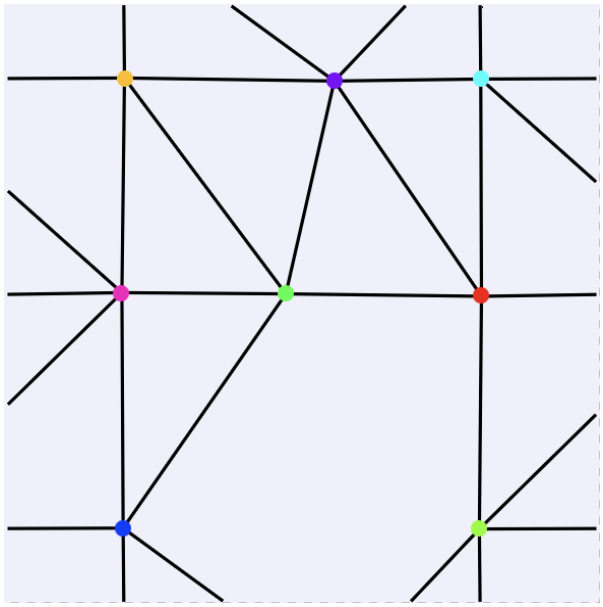


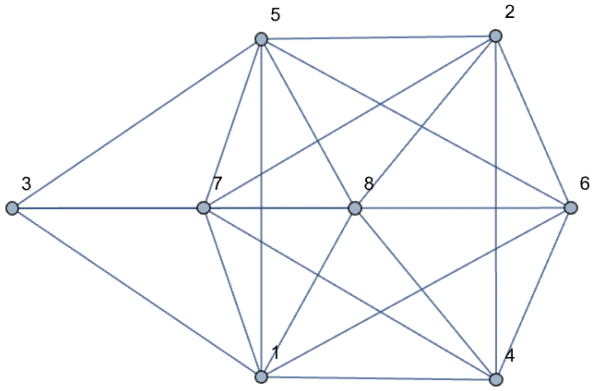
MTN Graphs on 8 vertices

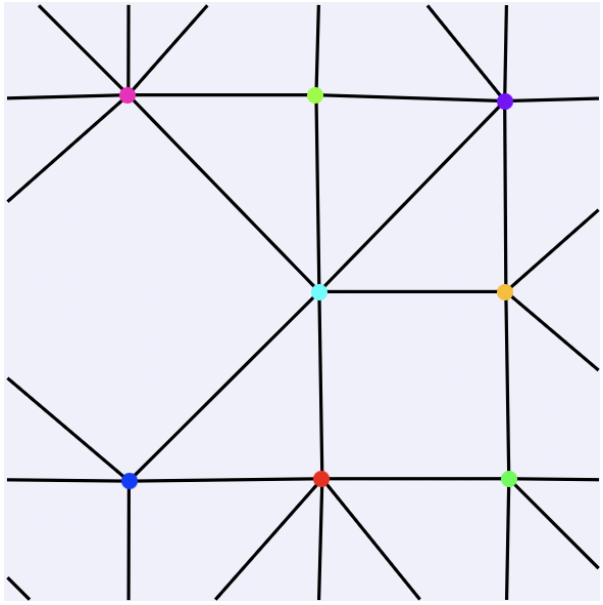
All graphs are maxnIL

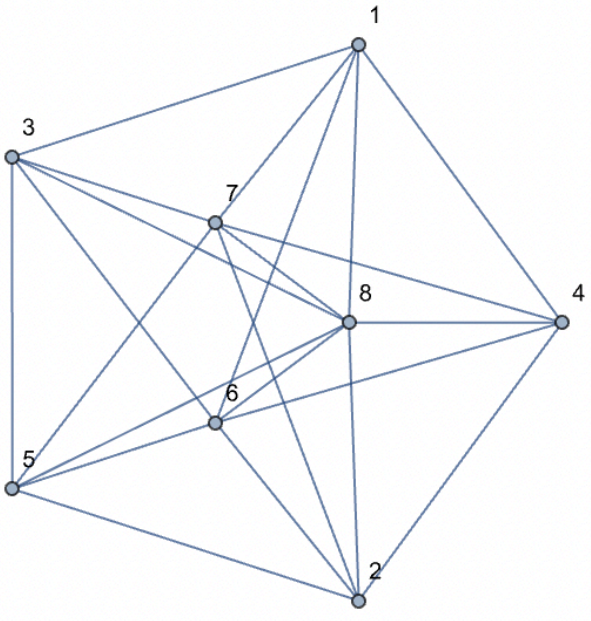
For all embeddings in this section:
1 → Red, 2 → Yellow, 3 → Lime Green, 4 → Green, 5 → Light Blue, 6 → Dark Blue,
7 → Purple, 8 → Fuschia







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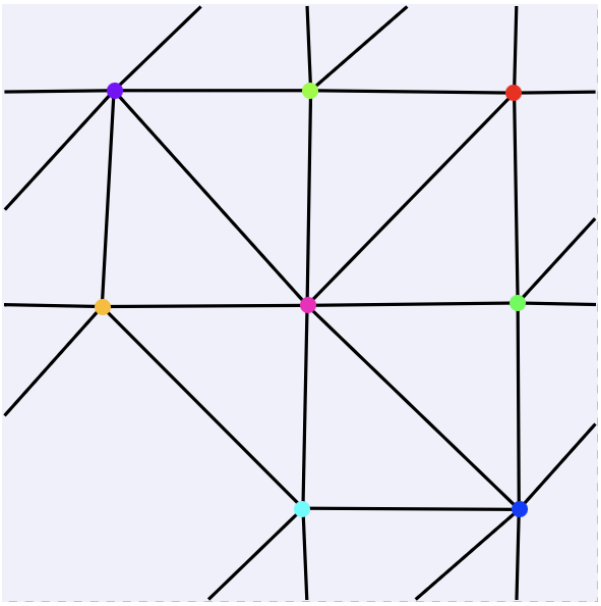

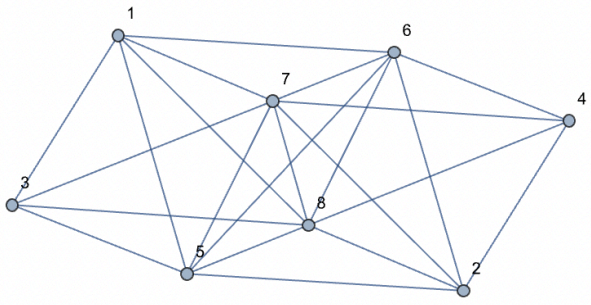
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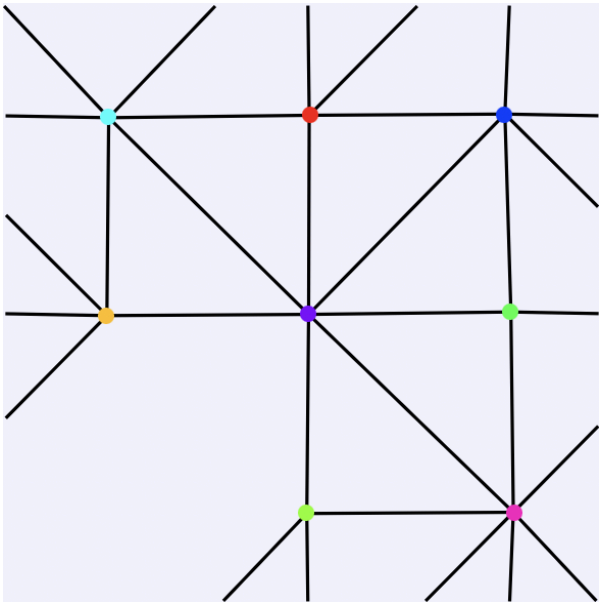

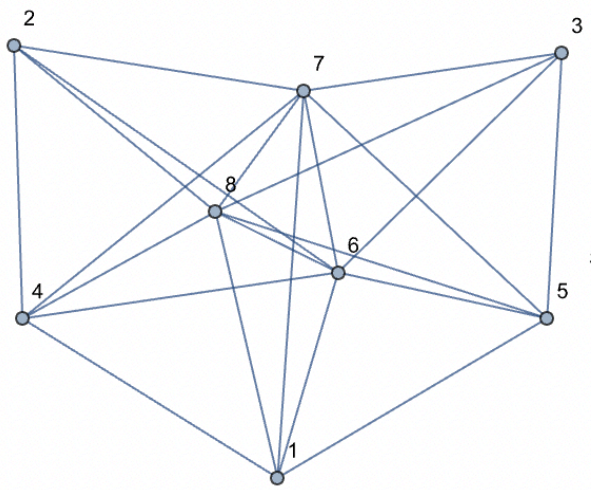
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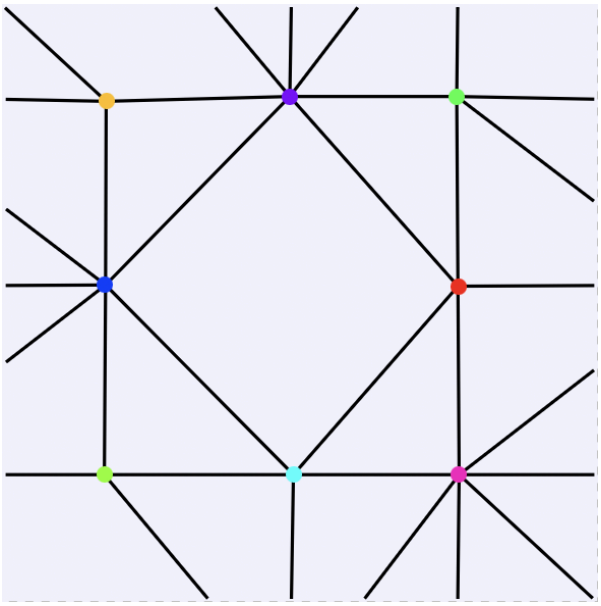
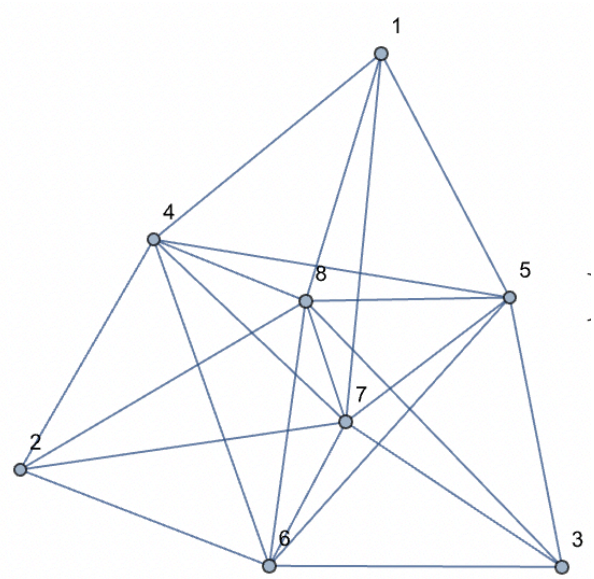
1

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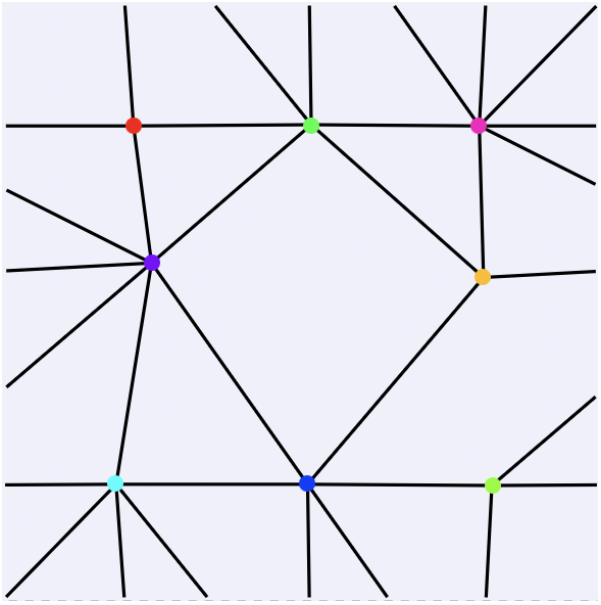
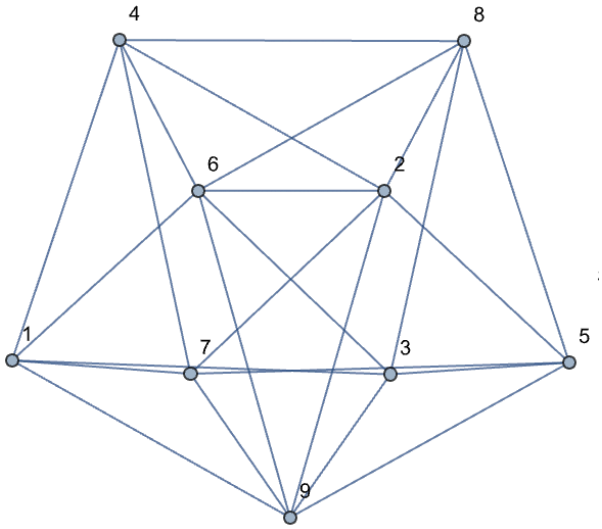
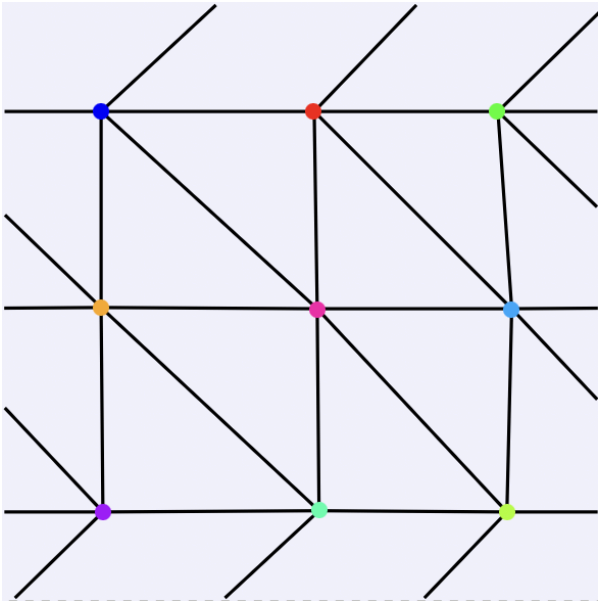


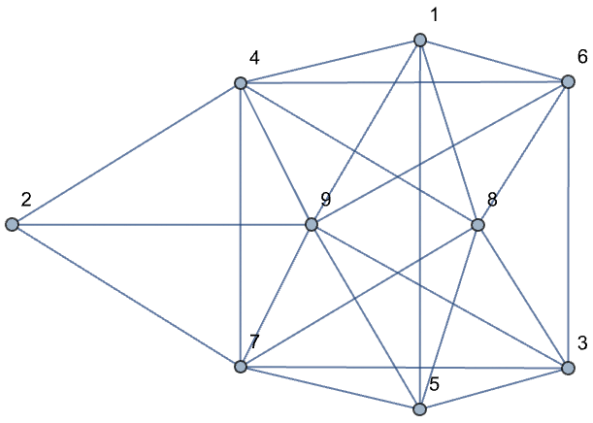
MTN Graphs on 9 vertices

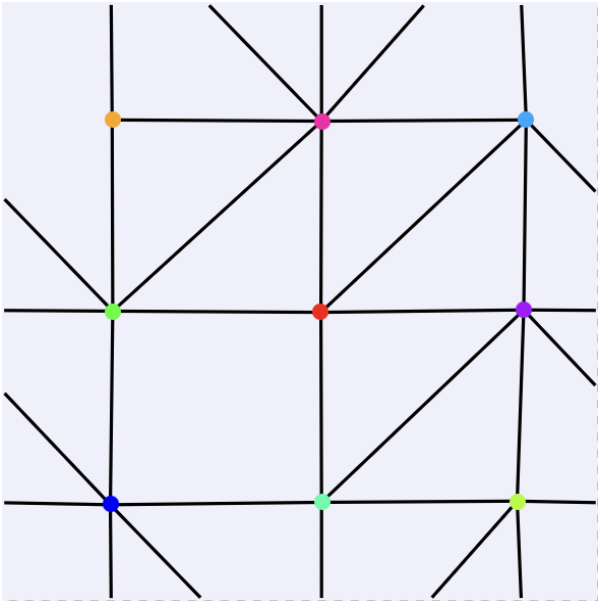
For all embeddings in this section:
1 → Red, 2 → Orange, 3 → Yellow-Green, 4 → Green, 5 → Teal, 6 → Blue,
7 → Dark Blue, 8 → Purple, 9 → Fuschia

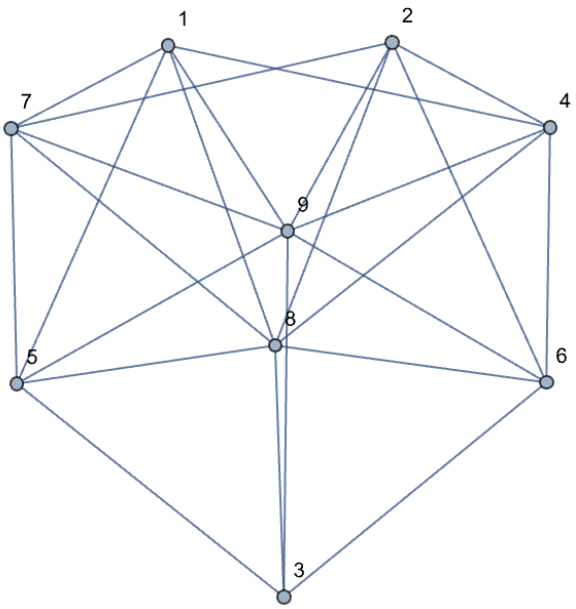
Toroidal maxnIL graphs:







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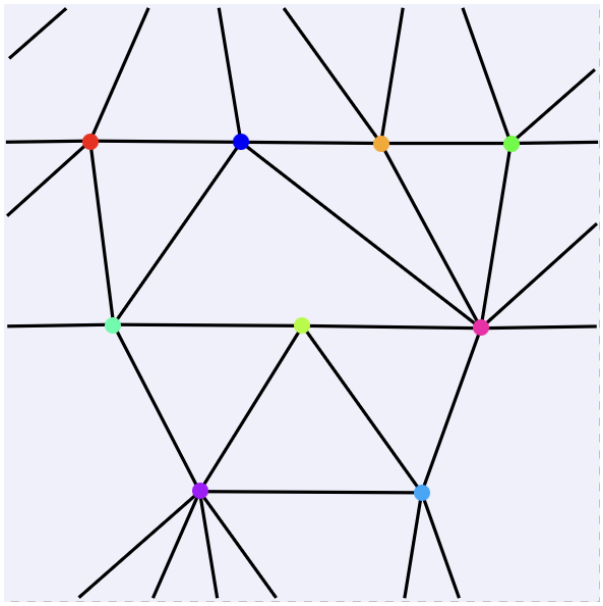

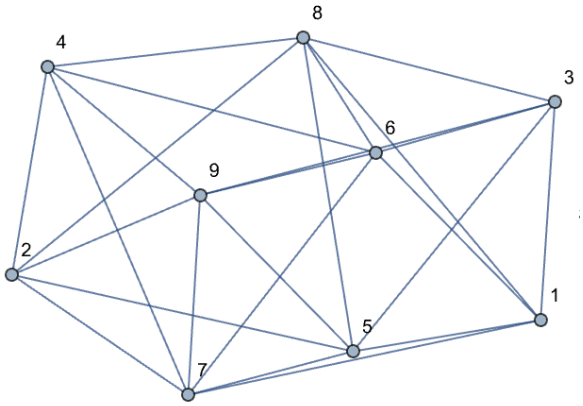
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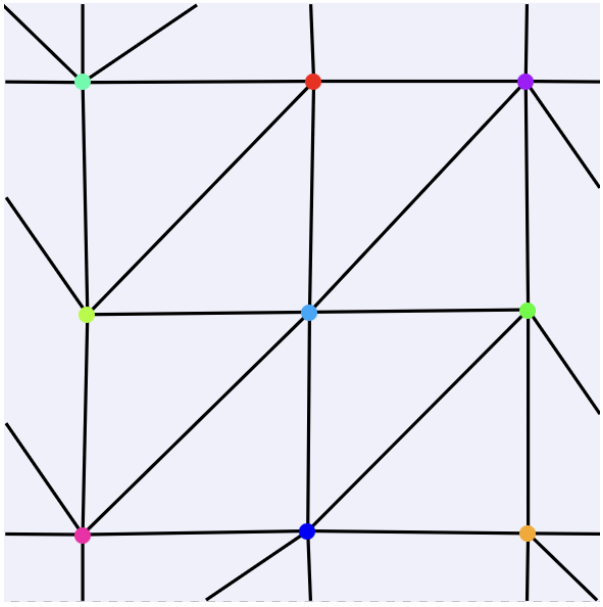

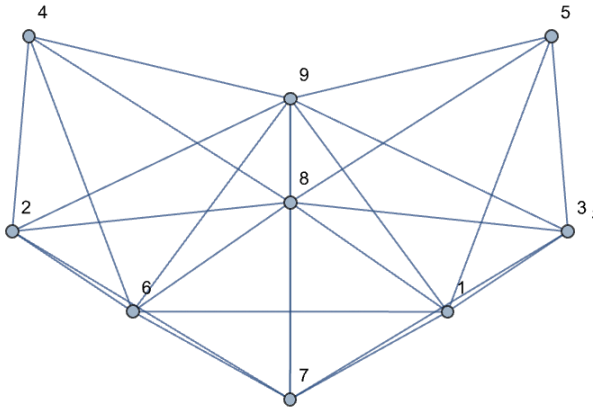
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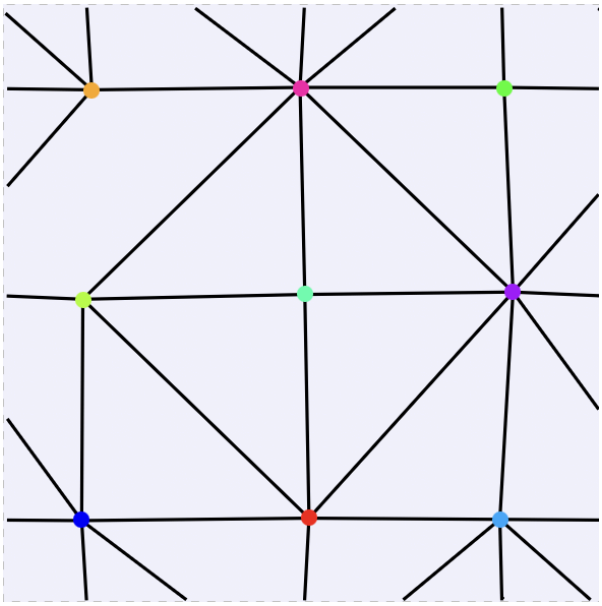

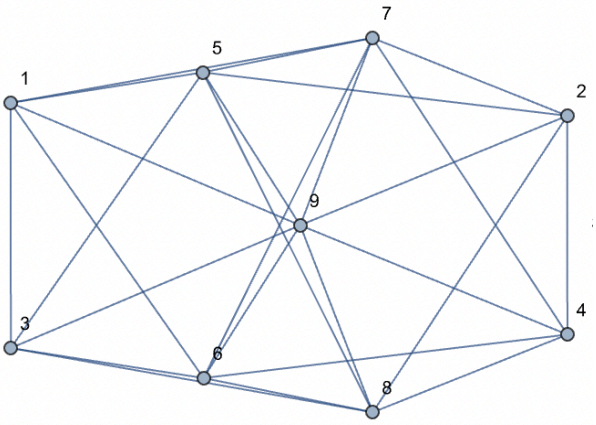
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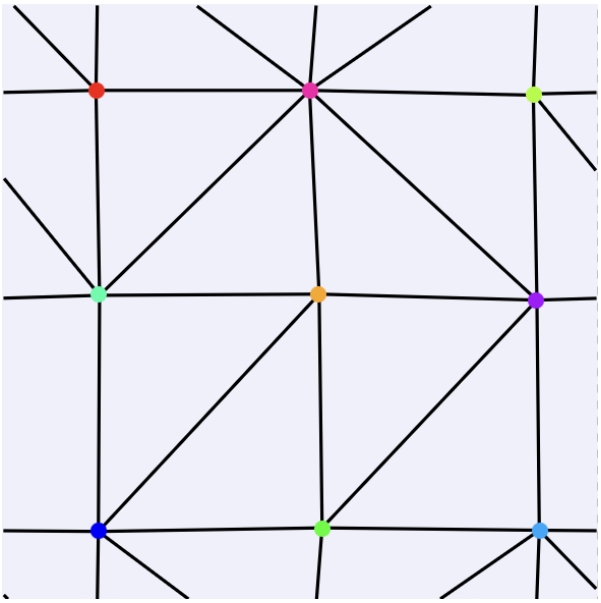

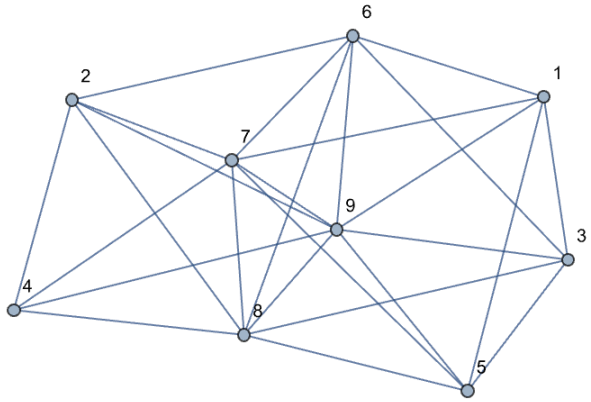
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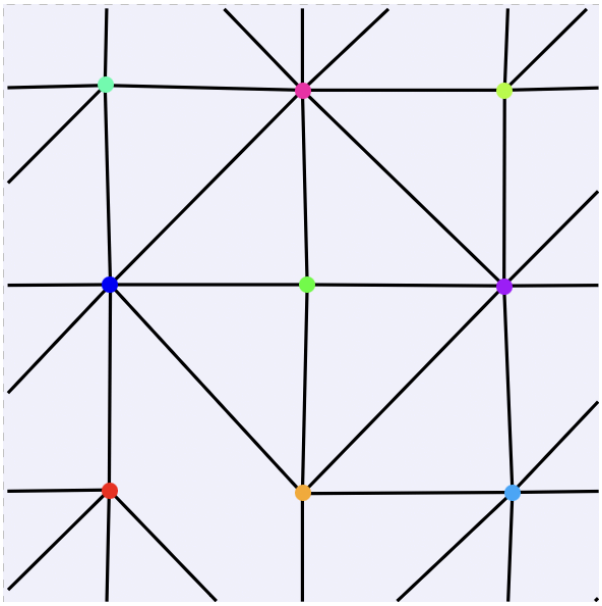

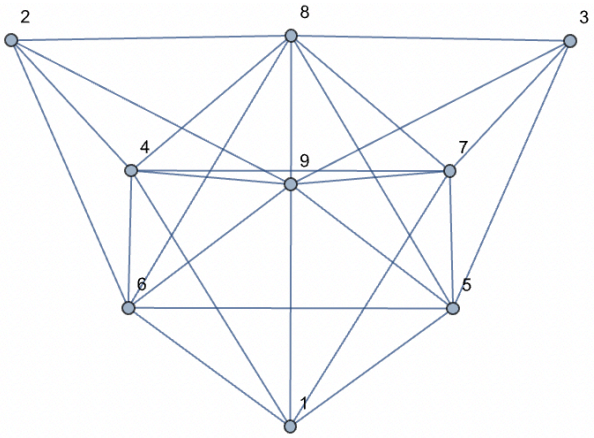
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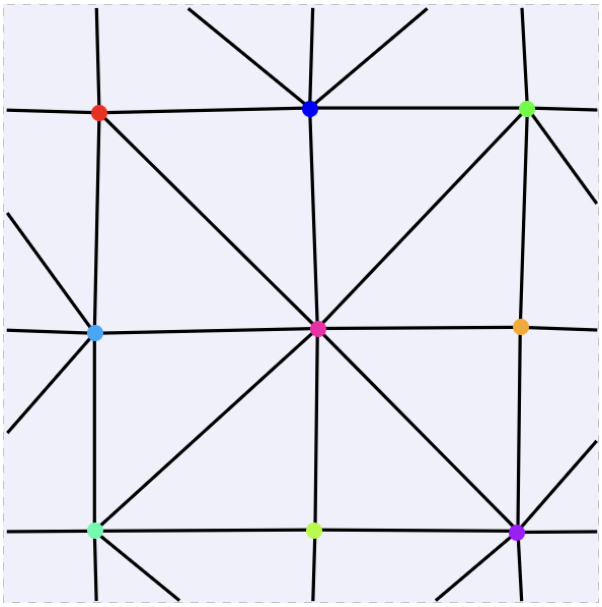

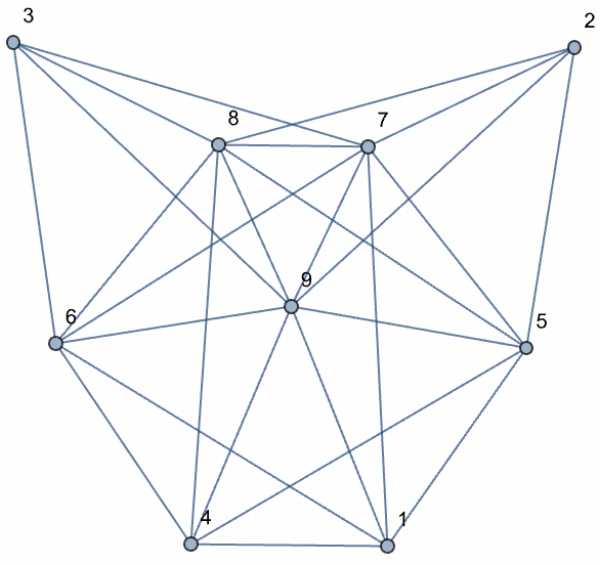
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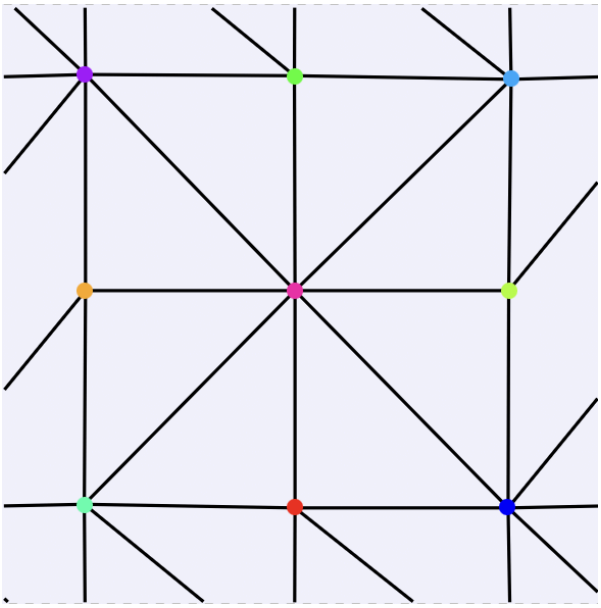

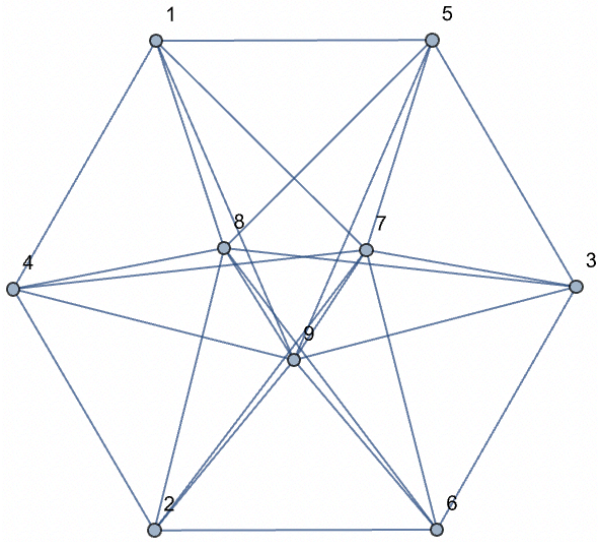
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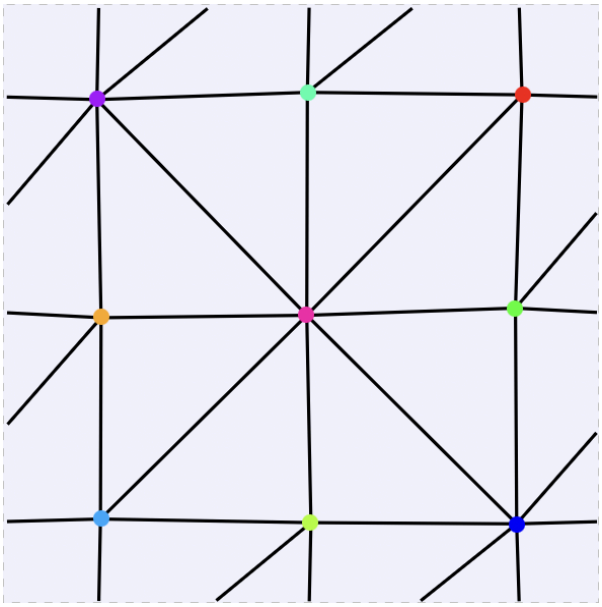

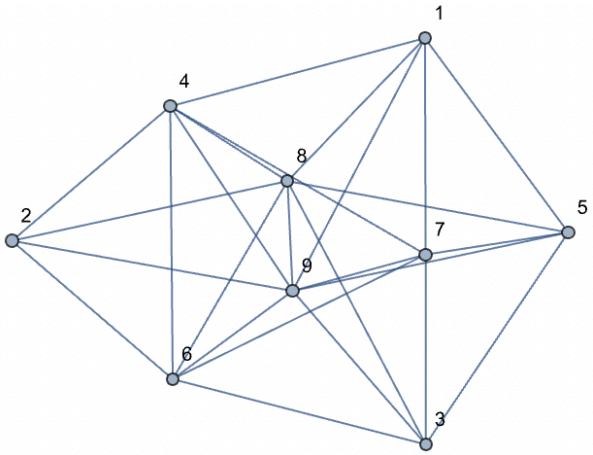
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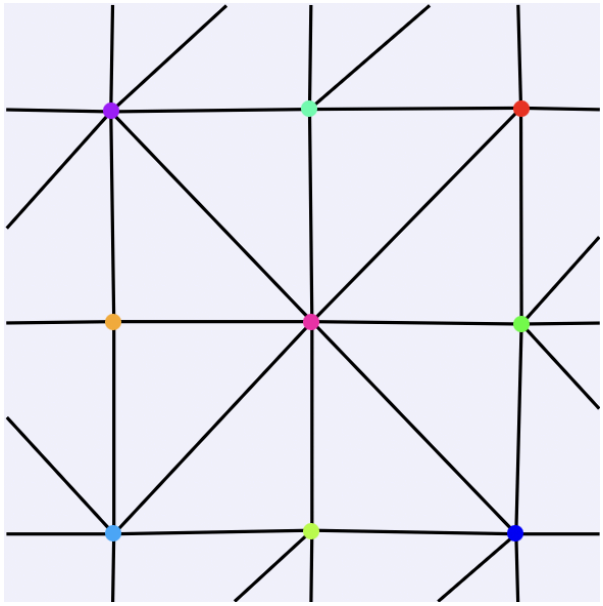

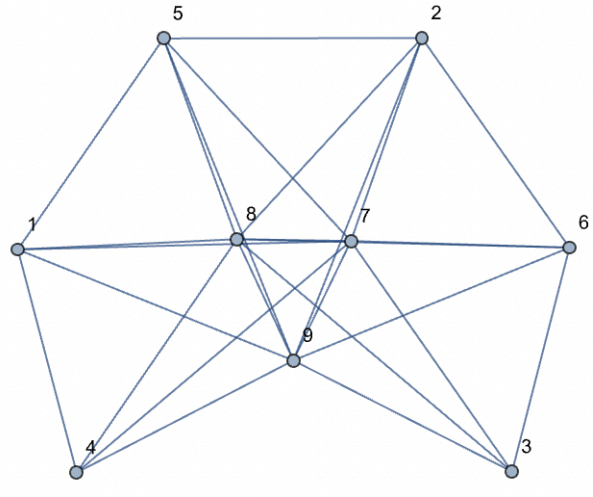
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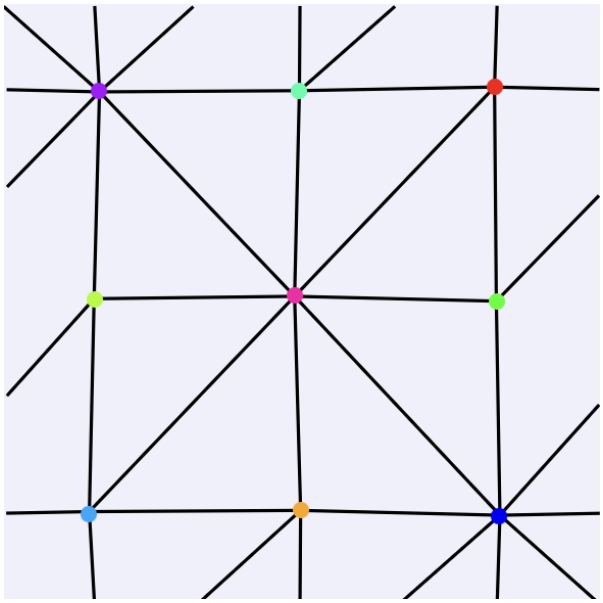

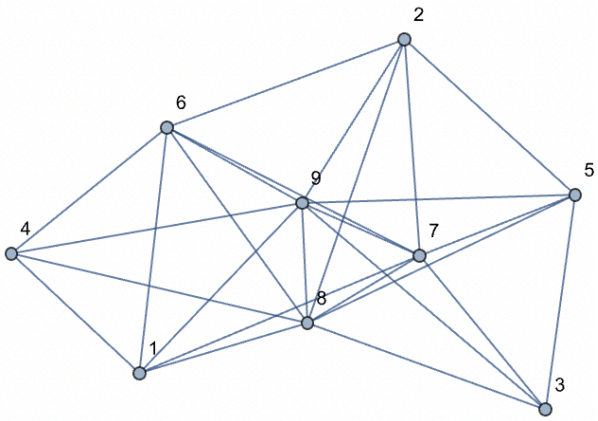
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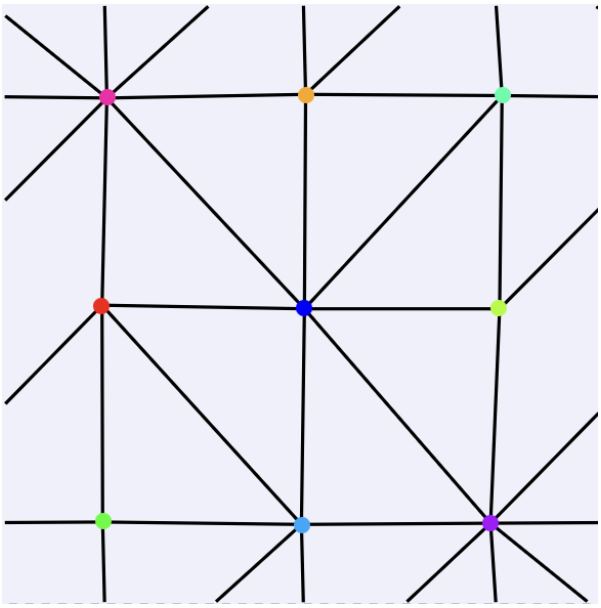

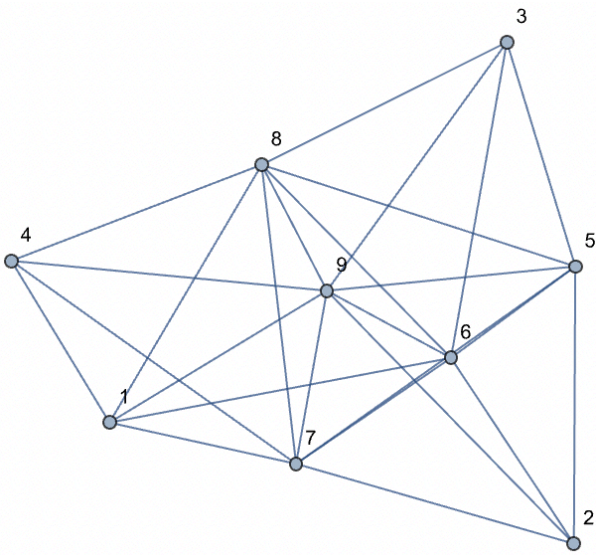
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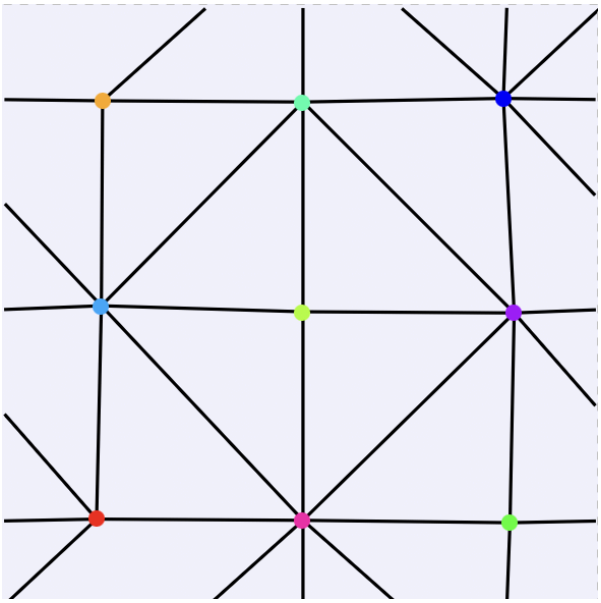

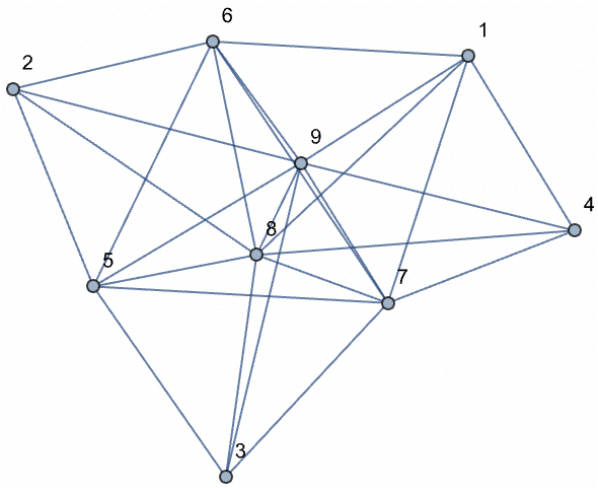
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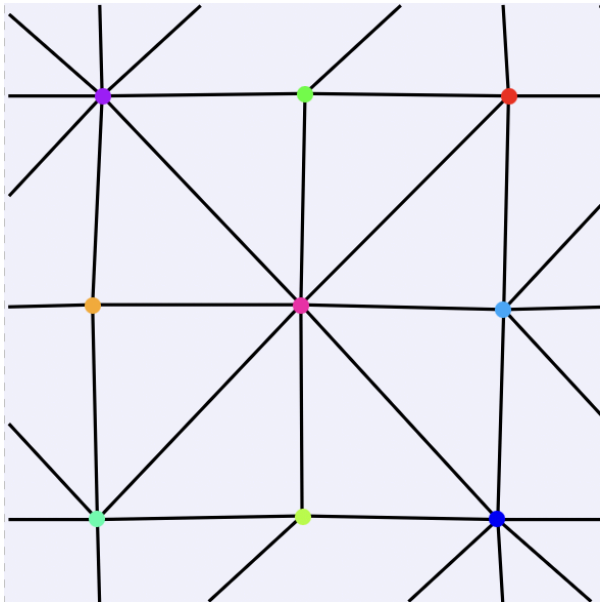

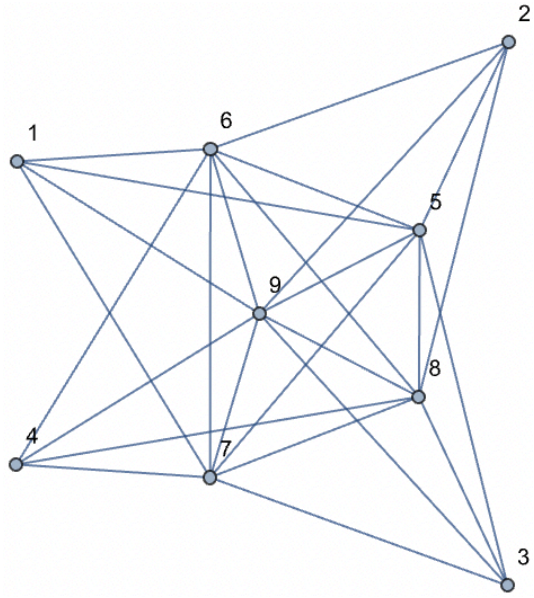
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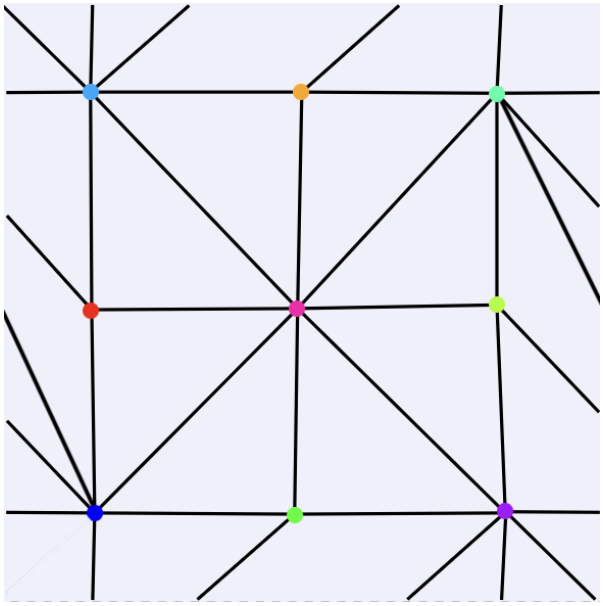
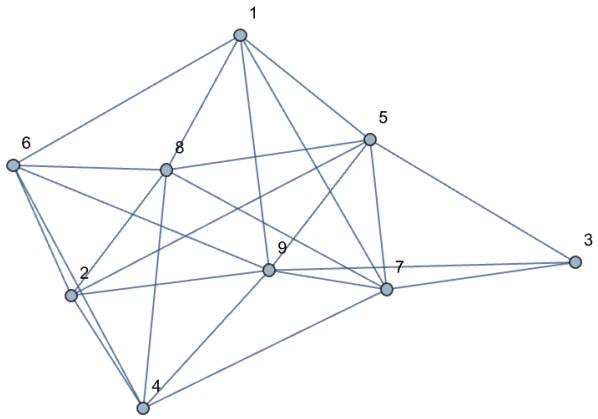
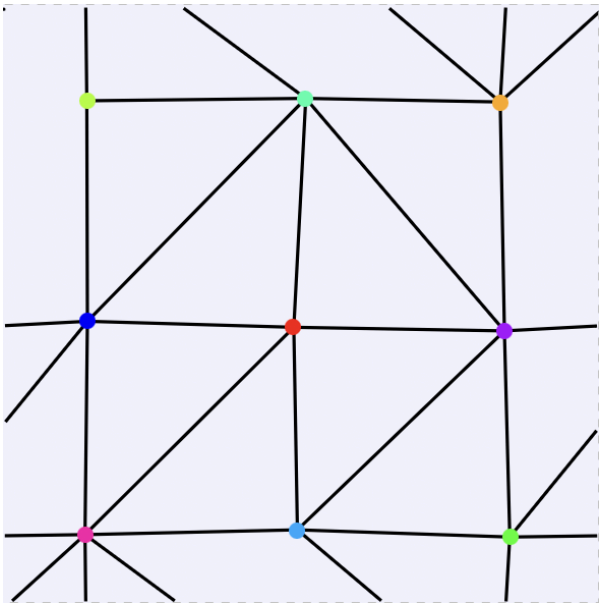
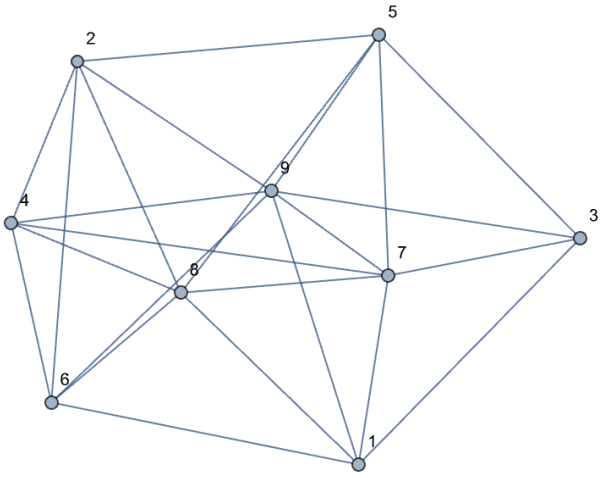
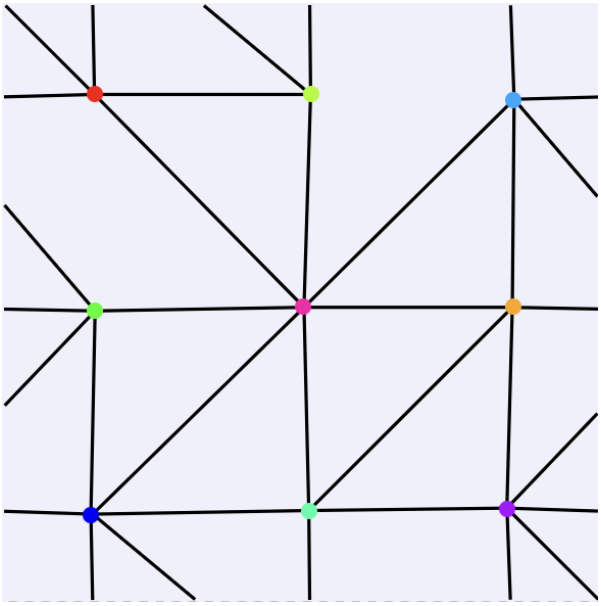


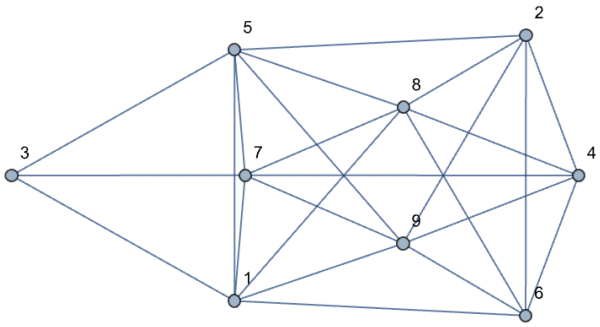
Non-maxnIL MTN graphs:







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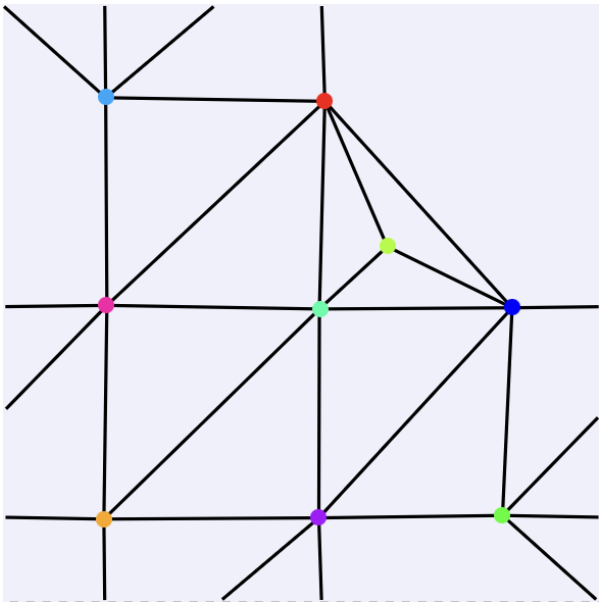

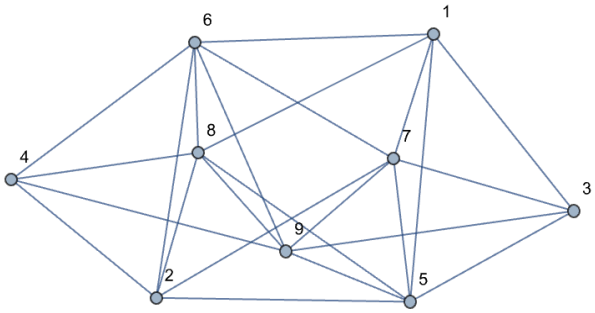
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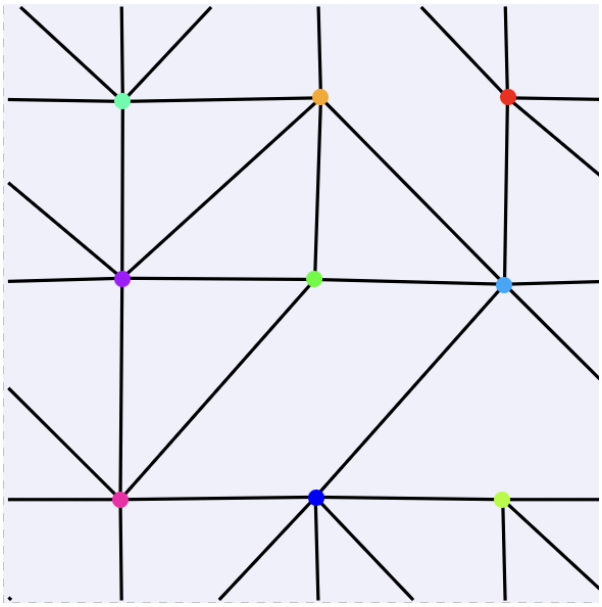

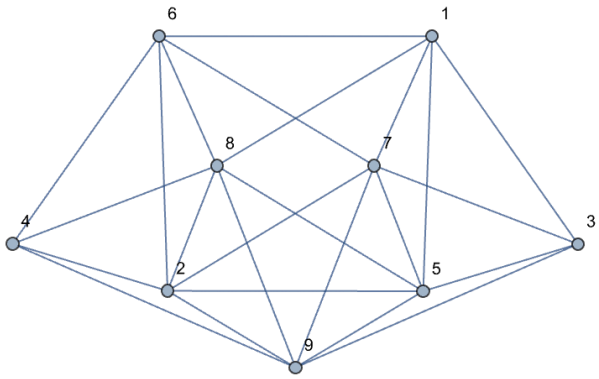
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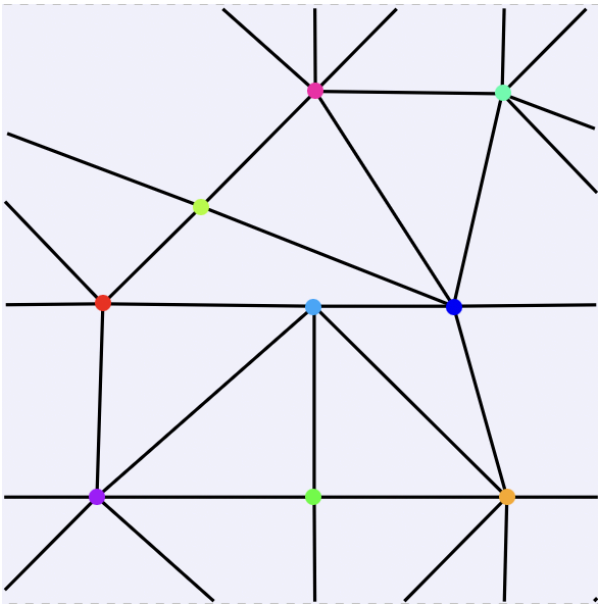

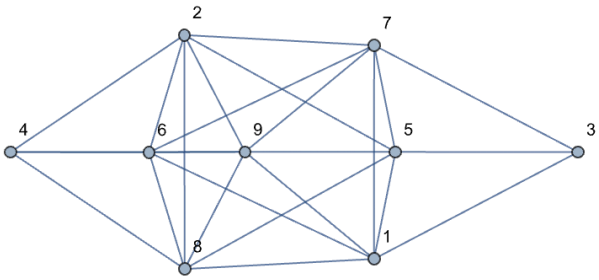
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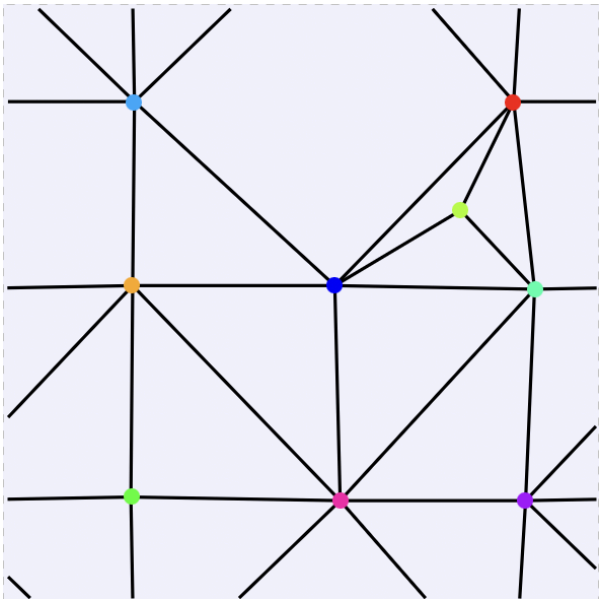

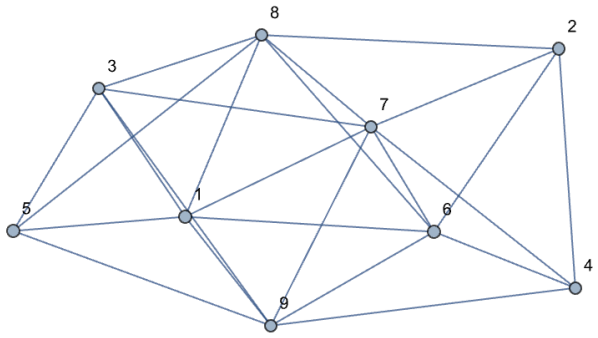
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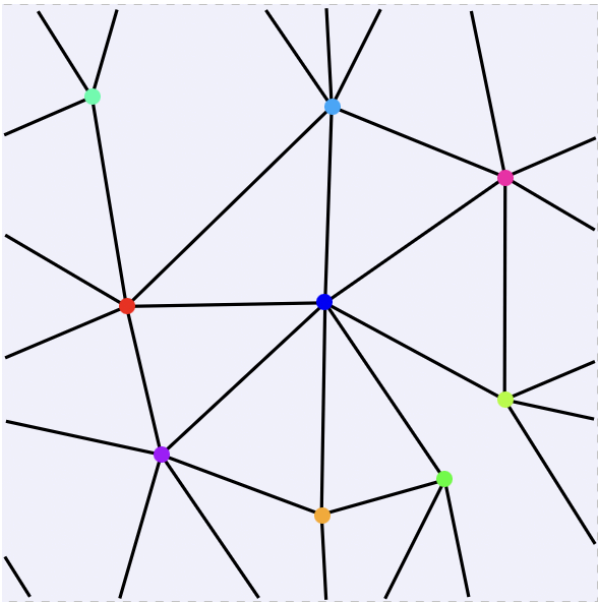

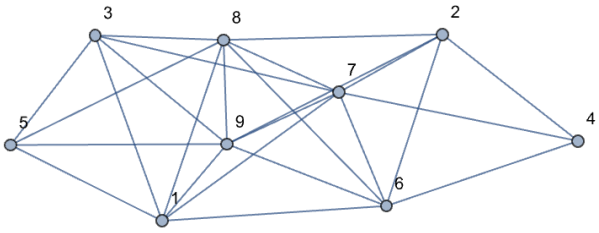
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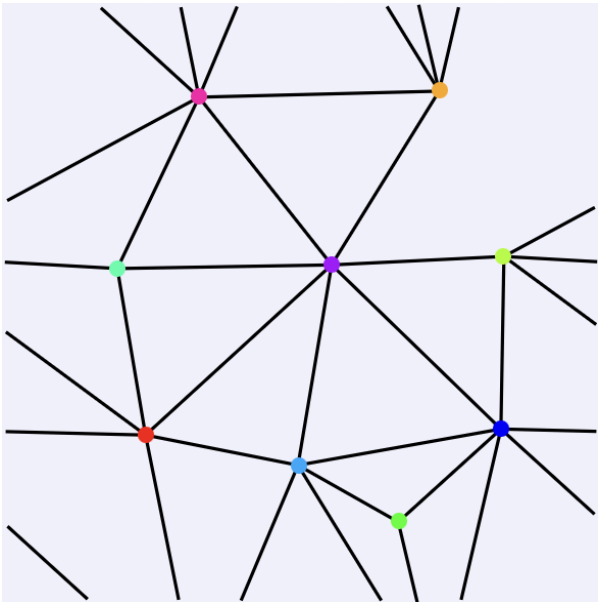

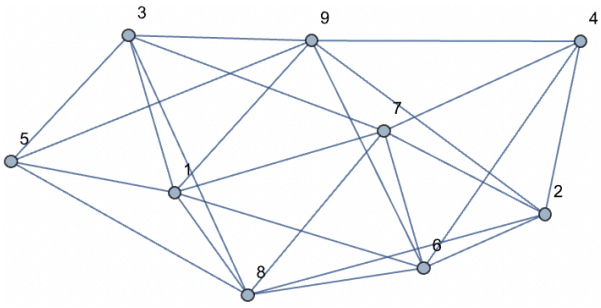
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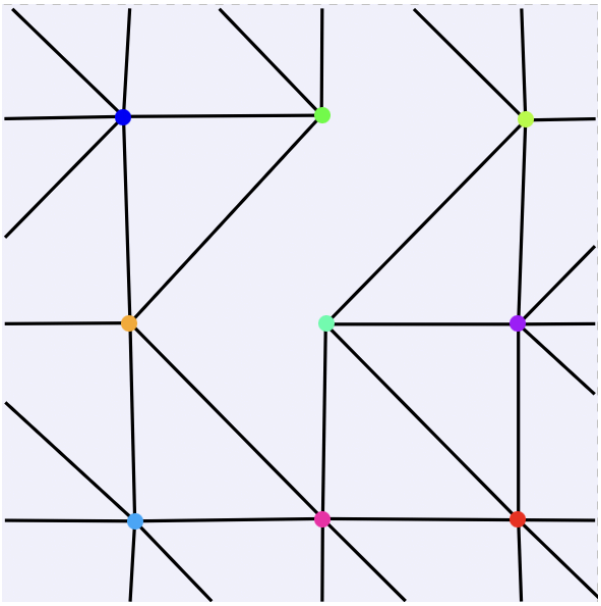

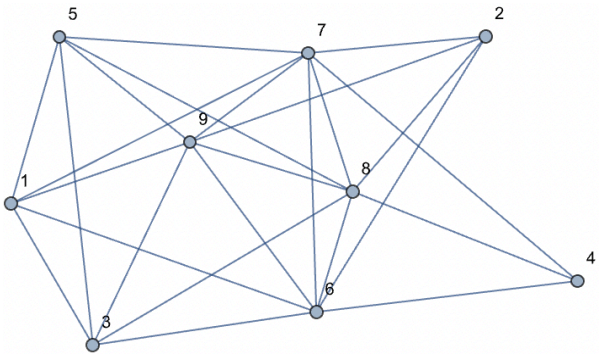
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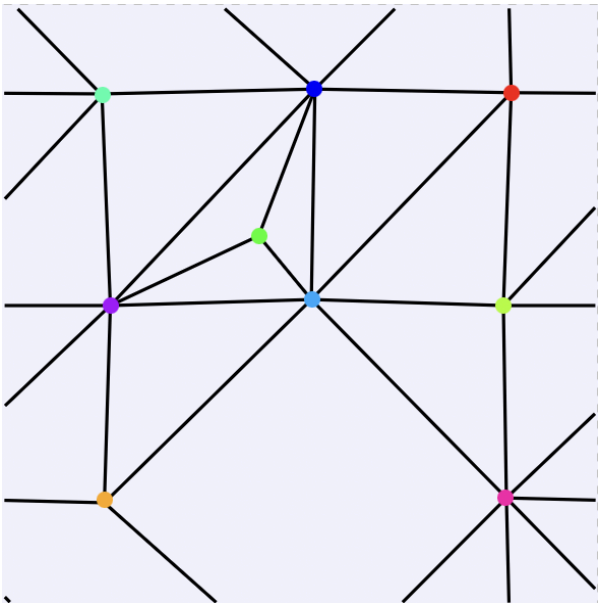

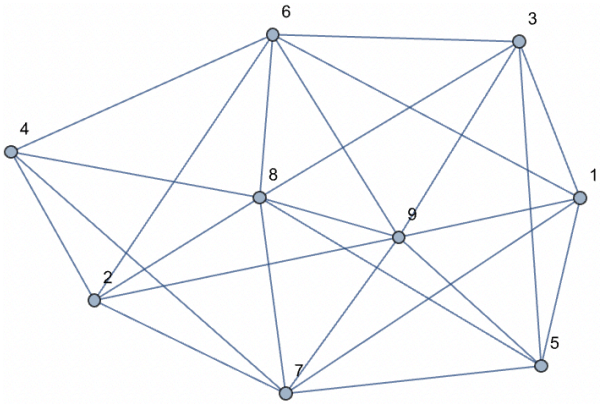
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