

List of Motifs identifiers with their orbits used in **MARGOT**

This document provides an exhaustive list of identifiers of the motifs (graphlets) upon which the Motif Adjacency Matrix (MAM) of a graph can be built in the **MARGOT** software.

Edges

E1 With this identifier, **MARGOT** returns a MAM equal to the initial graph.

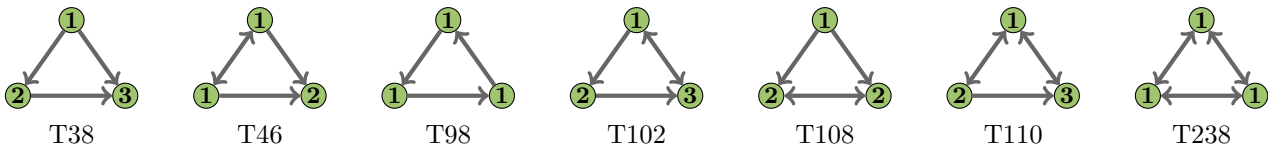
E2 With this identifier, **MARGOT** returns a MAM which is a symmetrisation of the initial graph. That is, given the initial directed graph whose adjacency matrix is $\mathbf{A} \in \{0, 1\}^{n \times n}$, the output MAM is the undirected graph, whose adjacency matrix is

$$\mathbf{A}_S = \mathbf{A} + \mathbf{A}^T \in \{0, 1, 2\}^{n \times n}.$$

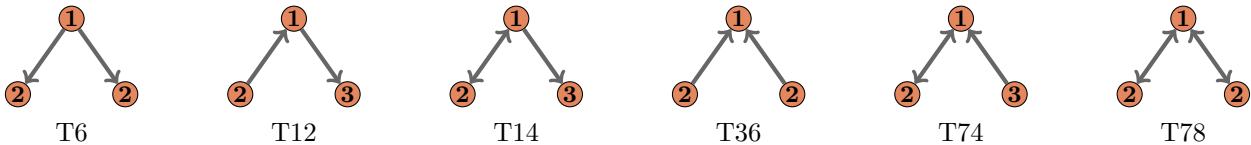
None of these motifs E1 and E2 provide a MAM in the formal sense.

Three-Node Motifs

Triangles

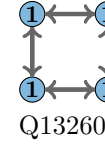
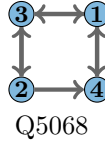
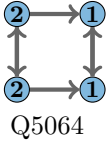
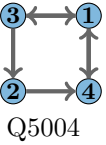
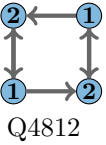
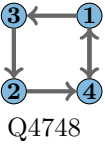
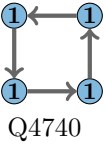
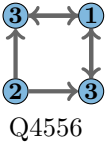
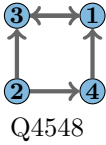
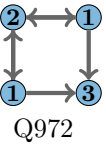
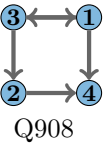
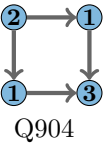
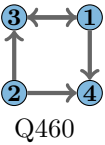
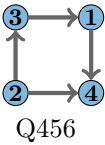
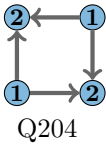


Wedges

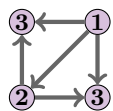


Quadrangles

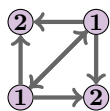
Quadrangles with 4 edges (Q4)



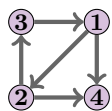
Quadrangles with 5 edges (Q5)



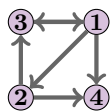
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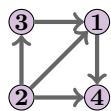
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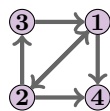
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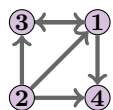
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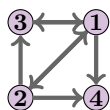
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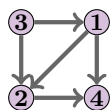
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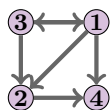
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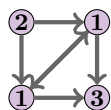
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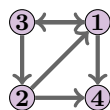
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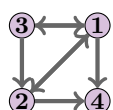
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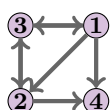
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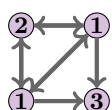
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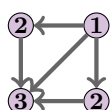
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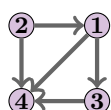
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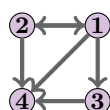
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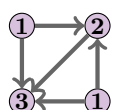
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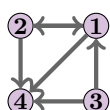
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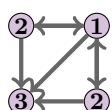
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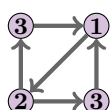
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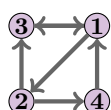
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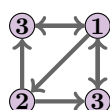
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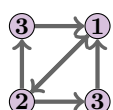
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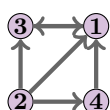
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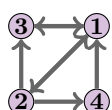
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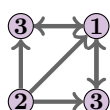
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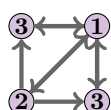
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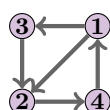
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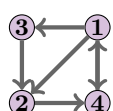
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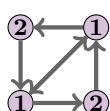
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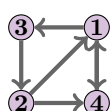
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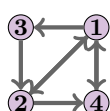
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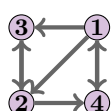
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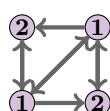
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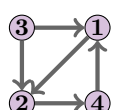
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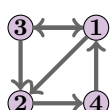
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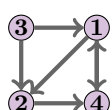
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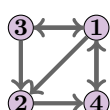
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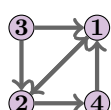
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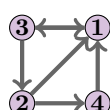
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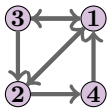
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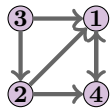
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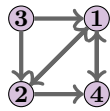
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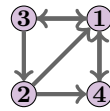
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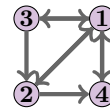
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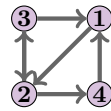
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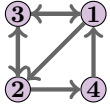
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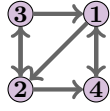
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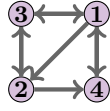
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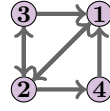
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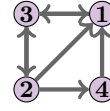
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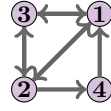
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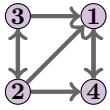
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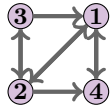
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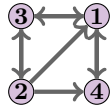
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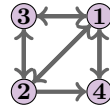
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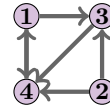
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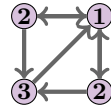
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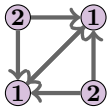
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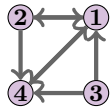
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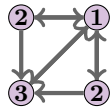
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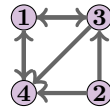
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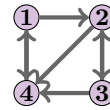
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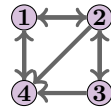
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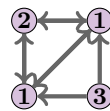
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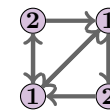
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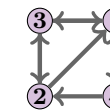
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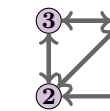
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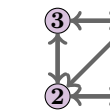
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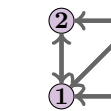
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Q13150

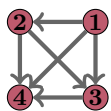


Q13262

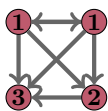


Q13278

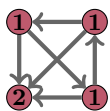
Quadrangles with 6 edges (Q6)



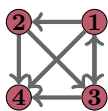
Q2254



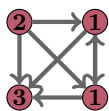
Q2270



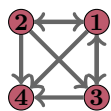
Q2506



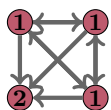
Q2510



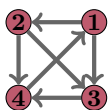
Q2524



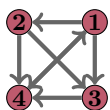
Q2526



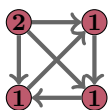
Q3038



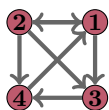
Q6342



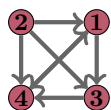
Q6350



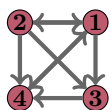
Q6356



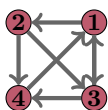
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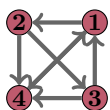
Q6364



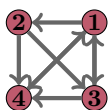
Q6366



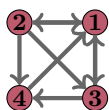
Q6598



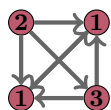
Q6602



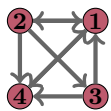
Q6606



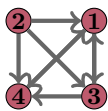
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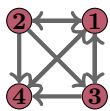
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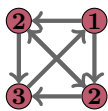
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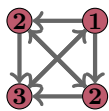
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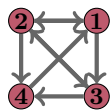
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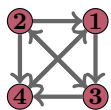
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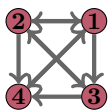
Q6862



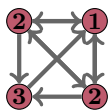
Q6870



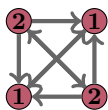
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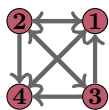
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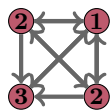
Q7126



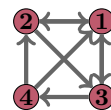
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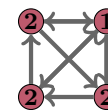
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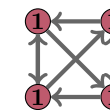
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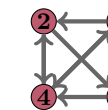
Q14678



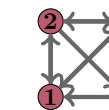
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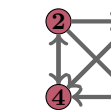
Q14790



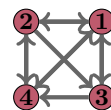
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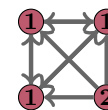
Q14810



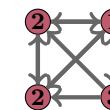
Q14812



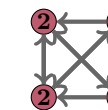
Q14814



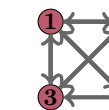
Q15258



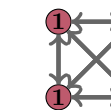
Q15262



Q15310



Q15326



Q31710