

3 Vertices {0,1,2}

Total Eulerian SbGraph = 110

Notes: in Edge(u,v,k), u <-> v , k is parallel index (default value = 0 (single edge))

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Groups from 1 edges

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[(0, 0, 0)]

Vertices : [0]

Edges : [(0, 0, 0)]

IsEln : True

ElnCycle : [(0, 0)]

[(1, 1, 0)]

Vertices : [1]

Edges : [(1, 1, 0)]

IsEln : True

ElnCycle : [(1, 1)]

[(2, 2, 0)]

Vertices : [2]

Edges : [(2, 2, 0)]

IsEln : True

ElnCycle : [(2, 2)]

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Groups from 2 edges

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[(0, 1, 0), (0, 1, 1)]

Vertices : [0, 1]

Edges : [(0, 1, 0), (0, 1, 1)]

IsEln : True

ElnCycle : [(0, 1), (1, 0)]

[(0, 2, 0), (0, 2, 1)]

Vertices : [0, 2]

Edges : [(0, 2, 0), (0, 2, 1)]

IsElrn : True

ElrnCycle : [(0, 2), (2, 0)]

[(1, 2, 0), (1, 2, 1)]

Vertices : [1, 2]

Edges : [(1, 2, 0), (1, 2, 1)]

IsElrn : True

ElrnCycle : [(1, 2), (2, 1)]

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Groups from 3 edges

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[(0, 0, 0), (0, 1, 0), (0, 1, 1)]

Vertices : [0, 1]

Edges : [(0, 0, 0), (0, 1, 0), (0, 1, 1)]

IsElrn : True

ElrnCycle : [(0, 1), (1, 0), (0, 0)]

[(0, 0, 0), (0, 2, 0), (0, 2, 1)]

Vertices : [0, 2]

Edges : [(0, 0, 0), (0, 2, 0), (0, 2, 1)]

IsElrn : True

ElrnCycle : [(0, 2), (2, 0), (0, 0)]

[(0, 1, 0), (0, 1, 1), (1, 1, 0)]

Vertices : [0, 1]

Edges : [(0, 1, 0), (0, 1, 1), (1, 1, 0)]

IsElrn : True

ElrnCycle : [(0, 1), (1, 1), (1, 0)]

[(0, 1, 0), (0, 2, 0), (1, 2, 0)]

Vertices : [0, 1, 2]

Edges : [(0, 1, 0), (0, 2, 0), (1, 2, 0)]

IsElrn : True

ElrnCycle : [(0, 2), (2, 1), (1, 0)]

[(0, 1, 0), (0, 2, 0), (1, 2, 1)]

Vertices : [0, 1, 2]

Edges : [(0, 1, 0), (0, 2, 0), (1, 2, 1)]

IsElrn : True

ElrnCycle : [(0, 2), (2, 1), (1, 0)]

[(0, 1, 0), (0, 2, 1), (1, 2, 0)]

Vertices : [0, 1, 2]

Edges : [(0, 1, 0), (0, 2, 1), (1, 2, 0)]

IsElrn : True

ElrnCycle : [(0, 2), (2, 1), (1, 0)]

[(0, 1, 0), (0, 2, 1), (1, 2, 1)]

Vertices : [0, 1, 2]

Edges : [(0, 1, 0), (0, 2, 1), (1, 2, 1)]

IsElrn : True

ElrnCycle : [(0, 2), (2, 1), (1, 0)]

[(0, 1, 1), (0, 2, 0), (1, 2, 0)]

Vertices : [0, 1, 2]

Edges : [(0, 1, 1), (0, 2, 0), (1, 2, 0)]

IsElrn : True

ElrnCycle : [(0, 2), (2, 1), (1, 0)]

[(0, 1, 1), (0, 2, 0), (1, 2, 1)]

Vertices : [0, 1, 2]

Edges : [(0, 1, 1), (0, 2, 0), (1, 2, 1)]

IsElrn : True

ElrnCycle : [(0, 2), (2, 1), (1, 0)]

[(0, 1, 1), (0, 2, 1), (1, 2, 0)]

Vertices : [0, 1, 2]

Edges : [(0, 1, 1), (0, 2, 1), (1, 2, 0)]

IsElrn : True

ElrnCycle : [(0, 2), (2, 1), (1, 0)]

[(0, 1, 1), (0, 2, 1), (1, 2, 1)]

Vertices : [0, 1, 2]

Edges : [(0, 1, 1), (0, 2, 1), (1, 2, 1)]

IsElrn : True

ElnCycle : [(0, 2), (2, 1), (1, 0)]

[(0, 2, 0), (0, 2, 1), (2, 2, 0)]

Vertices : [0, 2]

Edges : [(0, 2, 0), (0, 2, 1), (2, 2, 0)]

IsEln : True

ElnCycle : [(0, 2), (2, 2), (2, 0)]

[(1, 1, 0), (1, 2, 0), (1, 2, 1)]

Vertices : [1, 2]

Edges : [(1, 1, 0), (1, 2, 0), (1, 2, 1)]

IsEln : True

ElnCycle : [(1, 2), (2, 1), (1, 1)]

[(1, 2, 0), (1, 2, 1), (2, 2, 0)]

Vertices : [1, 2]

Edges : [(1, 2, 0), (1, 2, 1), (2, 2, 0)]

IsEln : True

ElnCycle : [(1, 2), (2, 2), (2, 1)]

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Groups from 4 edges

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[(0, 0, 0), (0, 1, 0), (0, 1, 1), (1, 1, 0)]

Vertices : [0, 1]

Edges : [(0, 0, 0), (0, 1, 0), (0, 1, 1), (1, 1, 0)]

IsEln : True

ElnCycle : [(0, 1), (1, 1), (1, 0), (0, 0)]

[(0, 0, 0), (0, 1, 0), (0, 2, 0), (1, 2, 0)]

Vertices : [0, 1, 2]

Edges : [(0, 0, 0), (0, 1, 0), (0, 2, 0), (1, 2, 0)]

IsEln : True

ElnCycle : [(0, 2), (2, 1), (1, 0), (0, 0)]

[(0, 0, 0), (0, 1, 0), (0, 2, 0), (1, 2, 1)]

Vertices : [0, 1, 2]

Edges : [(0, 0, 0), (0, 1, 0), (0, 2, 0), (1, 2, 1)]

IsElrn : True

ElrnCycle : [(0, 2), (2, 1), (1, 0), (0, 0)]

[(0, 0, 0), (0, 1, 0), (0, 2, 1), (1, 2, 0)]

Vertices : [0, 1, 2]

Edges : [(0, 0, 0), (0, 1, 0), (0, 2, 1), (1, 2, 0)]

IsElrn : True

ElrnCycle : [(0, 2), (2, 1), (1, 0), (0, 0)]

[(0, 0, 0), (0, 1, 0), (0, 2, 1), (1, 2, 1)]

Vertices : [0, 1, 2]

Edges : [(0, 0, 0), (0, 1, 0), (0, 2, 1), (1, 2, 1)]

IsElrn : True

ElrnCycle : [(0, 2), (2, 1), (1, 0), (0, 0)]

[(0, 0, 0), (0, 1, 1), (0, 2, 0), (1, 2, 0)]

Vertices : [0, 1, 2]

Edges : [(0, 0, 0), (0, 1, 1), (0, 2, 0), (1, 2, 0)]

IsElrn : True

ElrnCycle : [(0, 2), (2, 1), (1, 0), (0, 0)]

[(0, 0, 0), (0, 1, 1), (0, 2, 0), (1, 2, 1)]

Vertices : [0, 1, 2]

Edges : [(0, 0, 0), (0, 1, 1), (0, 2, 0), (1, 2, 1)]

IsElrn : True

ElrnCycle : [(0, 2), (2, 1), (1, 0), (0, 0)]

[(0, 0, 0), (0, 1, 1), (0, 2, 1), (1, 2, 0)]

Vertices : [0, 1, 2]

Edges : [(0, 0, 0), (0, 1, 1), (0, 2, 1), (1, 2, 0)]

IsElrn : True

ElrnCycle : [(0, 2), (2, 1), (1, 0), (0, 0)]

[(0, 0, 0), (0, 1, 1), (0, 2, 1), (1, 2, 1)]

Vertices : [0, 1, 2]

Edges : [(0, 0, 0), (0, 1, 1), (0, 2, 1), (1, 2, 1)]

IsElrn : True

ElrnCycle : [(0, 2), (2, 1), (1, 0), (0, 0)]

[(0, 0, 0), (0, 2, 0), (0, 2, 1), (2, 2, 0)]

Vertices : [0, 2]

Edges : [(0, 0, 0), (0, 2, 0), (0, 2, 1), (2, 2, 0)]

IsElrn : True

ElrnCycle : [(0, 2), (2, 2), (2, 0), (0, 0)]

[(0, 1, 0), (0, 1, 1), (0, 2, 0), (0, 2, 1)]

Vertices : [0, 1, 2]

Edges : [(0, 1, 0), (0, 1, 1), (0, 2, 0), (0, 2, 1)]

IsElrn : True

ElrnCycle : [(0, 2), (2, 0), (0, 1), (1, 0)]

[(0, 1, 0), (0, 1, 1), (1, 2, 0), (1, 2, 1)]

Vertices : [0, 1, 2]

Edges : [(0, 1, 0), (0, 1, 1), (1, 2, 0), (1, 2, 1)]

IsElrn : True

ElrnCycle : [(0, 1), (1, 2), (2, 1), (1, 0)]

[(0, 1, 0), (0, 2, 0), (1, 1, 0), (1, 2, 0)]

Vertices : [0, 1, 2]

Edges : [(0, 1, 0), (0, 2, 0), (1, 1, 0), (1, 2, 0)]

IsElrn : True

ElrnCycle : [(0, 2), (2, 1), (1, 1), (1, 0)]

[(0, 1, 0), (0, 2, 0), (1, 1, 0), (1, 2, 1)]

Vertices : [0, 1, 2]

Edges : [(0, 1, 0), (0, 2, 0), (1, 1, 0), (1, 2, 1)]

IsElrn : True

ElrnCycle : [(0, 2), (2, 1), (1, 1), (1, 0)]

[(0, 1, 0), (0, 2, 0), (1, 2, 0), (2, 2, 0)]

Vertices : [0, 1, 2]

Edges : [(0, 1, 0), (0, 2, 0), (1, 2, 0), (2, 2, 0)]

IsElrn : True

ElrnCycle : [(0, 2), (2, 2), (2, 1), (1, 0)]

[(0, 1, 0), (0, 2, 0), (1, 2, 1), (2, 2, 0)]

Vertices : [0, 1, 2]

Edges : [(0, 1, 0), (0, 2, 0), (1, 2, 1), (2, 2, 0)]

IsElrn : True

ElrnCycle : [(0, 2), (2, 2), (2, 1), (1, 0)]

[(0, 1, 0), (0, 2, 1), (1, 1, 0), (1, 2, 0)]

Vertices : [0, 1, 2]

Edges : [(0, 1, 0), (0, 2, 1), (1, 1, 0), (1, 2, 0)]

IsElrn : True

ElrnCycle : [(0, 2), (2, 1), (1, 1), (1, 0)]

[(0, 1, 0), (0, 2, 1), (1, 1, 0), (1, 2, 1)]

Vertices : [0, 1, 2]

Edges : [(0, 1, 0), (0, 2, 1), (1, 1, 0), (1, 2, 1)]

IsElrn : True

ElrnCycle : [(0, 2), (2, 1), (1, 1), (1, 0)]

[(0, 1, 0), (0, 2, 1), (1, 2, 0), (2, 2, 0)]

Vertices : [0, 1, 2]

Edges : [(0, 1, 0), (0, 2, 1), (1, 2, 0), (2, 2, 0)]

IsElrn : True

ElrnCycle : [(0, 2), (2, 2), (2, 1), (1, 0)]

[(0, 1, 0), (0, 2, 1), (1, 2, 1), (2, 2, 0)]

Vertices : [0, 1, 2]

Edges : [(0, 1, 0), (0, 2, 1), (1, 2, 1), (2, 2, 0)]

IsElrn : True

ElrnCycle : [(0, 2), (2, 2), (2, 1), (1, 0)]

[(0, 1, 1), (0, 2, 0), (1, 1, 0), (1, 2, 0)]

Vertices : [0, 1, 2]

Edges : [(0, 1, 1), (0, 2, 0), (1, 1, 0), (1, 2, 0)]

IsElrn : True

ElrnCycle : [(0, 2), (2, 1), (1, 1), (1, 0)]

[(0, 1, 1), (0, 2, 0), (1, 1, 0), (1, 2, 1)]

Vertices : [0, 1, 2]

Edges : [(0, 1, 1), (0, 2, 0), (1, 1, 0), (1, 2, 1)]

IsElrn : True

ElrnCycle : [(0, 2), (2, 1), (1, 1), (1, 0)]

[(0, 1, 1), (0, 2, 0), (1, 2, 0), (2, 2, 0)]

Vertices : [0, 1, 2]

Edges : [(0, 1, 1), (0, 2, 0), (1, 2, 0), (2, 2, 0)]

IsElrn : True

ElrnCycle : [(0, 2), (2, 2), (2, 1), (1, 0)]

[(0, 1, 1), (0, 2, 0), (1, 2, 1), (2, 2, 0)]

Vertices : [0, 1, 2]

Edges : [(0, 1, 1), (0, 2, 0), (1, 2, 1), (2, 2, 0)]

IsElrn : True

ElrnCycle : [(0, 2), (2, 2), (2, 1), (1, 0)]

[(0, 1, 1), (0, 2, 1), (1, 1, 0), (1, 2, 0)]

Vertices : [0, 1, 2]

Edges : [(0, 1, 1), (0, 2, 1), (1, 1, 0), (1, 2, 0)]

IsElrn : True

ElrnCycle : [(0, 2), (2, 1), (1, 1), (1, 0)]

[(0, 1, 1), (0, 2, 1), (1, 1, 0), (1, 2, 1)]

Vertices : [0, 1, 2]

Edges : [(0, 1, 1), (0, 2, 1), (1, 1, 0), (1, 2, 1)]

IsElrn : True

ElrnCycle : [(0, 2), (2, 1), (1, 1), (1, 0)]

[(0, 1, 1), (0, 2, 1), (1, 2, 0), (2, 2, 0)]

Vertices : [0, 1, 2]

Edges : [(0, 1, 1), (0, 2, 1), (1, 2, 0), (2, 2, 0)]

IsElrn : True

ElrnCycle : [(0, 2), (2, 2), (2, 1), (1, 0)]

[(0, 1, 1), (0, 2, 1), (1, 2, 1), (2, 2, 0)]

Vertices : [0, 1, 2]

Edges : [(0, 1, 1), (0, 2, 1), (1, 2, 1), (2, 2, 0)]

IsElrn : True

ElrnCycle : [(0, 2), (2, 2), (2, 1), (1, 0)]

[(0, 2, 0), (0, 2, 1), (1, 2, 0), (1, 2, 1)]



Vertices : [0, 1, 2]

Edges : [(0, 2, 0), (0, 2, 1), (1, 2, 0), (1, 2, 1)]

IsEln : True

ElnCycle : [(0, 2), (2, 1), (1, 2), (2, 0)]

[(1, 1, 0), (1, 2, 0), (1, 2, 1), (2, 2, 0)]

Vertices : [1, 2]

Edges : [(1, 1, 0), (1, 2, 0), (1, 2, 1), (2, 2, 0)]

IsEln : True

ElnCycle : [(1, 2), (2, 2), (2, 1), (1, 1)]

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Groups from 5 edges

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[(0, 0, 0), (0, 1, 0), (0, 1, 1), (0, 2, 0), (0, 2, 1)]

Vertices : [0, 1, 2]

Edges : [(0, 0, 0), (0, 1, 0), (0, 1, 1), (0, 2, 0), (0, 2, 1)]

IsEln : True

ElnCycle : [(0, 2), (2, 0), (0, 1), (1, 0), (0, 0)]

[(0, 0, 0), (0, 1, 0), (0, 1, 1), (1, 2, 0), (1, 2, 1)]

Vertices : [0, 1, 2]

Edges : [(0, 0, 0), (0, 1, 0), (0, 1, 1), (1, 2, 0), (1, 2, 1)]

IsEln : True

ElnCycle : [(0, 1), (1, 2), (2, 1), (1, 0), (0, 0)]

[(0, 0, 0), (0, 1, 0), (0, 2, 0), (1, 1, 0), (1, 2, 0)]

Vertices : [0, 1, 2]

Edges : [(0, 0, 0), (0, 1, 0), (0, 2, 0), (1, 1, 0), (1, 2, 0)]

IsEln : True

ElnCycle : [(0, 2), (2, 1), (1, 1), (1, 0), (0, 0)]

[(0, 0, 0), (0, 1, 0), (0, 2, 0), (1, 1, 0), (1, 2, 1)]

Vertices : [0, 1, 2]

Edges : [(0, 0, 0), (0, 1, 0), (0, 2, 0), (1, 1, 0), (1, 2, 1)]

IsEln : True

ElnCycle : [(0, 2), (2, 1), (1, 1), (1, 0), (0, 0)]

[(0, 0, 0), (0, 1, 0), (0, 2, 0), (1, 2, 0), (2, 2, 0)]

Vertices : [0, 1, 2]

Edges : [(0, 0, 0), (0, 1, 0), (0, 2, 0), (1, 2, 0), (2, 2, 0)]

IsElrn : True

ElrnCycle : [(0, 2), (2, 2), (2, 1), (1, 0), (0, 0)]

[(0, 0, 0), (0, 1, 0), (0, 2, 0), (1, 2, 1), (2, 2, 0)]

Vertices : [0, 1, 2]

Edges : [(0, 0, 0), (0, 1, 0), (0, 2, 0), (1, 2, 1), (2, 2, 0)]

IsElrn : True

ElrnCycle : [(0, 2), (2, 2), (2, 1), (1, 0), (0, 0)]

[(0, 0, 0), (0, 1, 0), (0, 2, 1), (1, 1, 0), (1, 2, 0)]

Vertices : [0, 1, 2]

Edges : [(0, 0, 0), (0, 1, 0), (0, 2, 1), (1, 1, 0), (1, 2, 0)]

IsElrn : True

ElrnCycle : [(0, 2), (2, 1), (1, 1), (1, 0), (0, 0)]

[(0, 0, 0), (0, 1, 0), (0, 2, 1), (1, 1, 0), (1, 2, 1)]

Vertices : [0, 1, 2]

Edges : [(0, 0, 0), (0, 1, 0), (0, 2, 1), (1, 1, 0), (1, 2, 1)]

IsElrn : True

ElrnCycle : [(0, 2), (2, 1), (1, 1), (1, 0), (0, 0)]

[(0, 0, 0), (0, 1, 0), (0, 2, 1), (1, 2, 0), (2, 2, 0)]

Vertices : [0, 1, 2]

Edges : [(0, 0, 0), (0, 1, 0), (0, 2, 1), (1, 2, 0), (2, 2, 0)]

IsElrn : True

ElrnCycle : [(0, 2), (2, 2), (2, 1), (1, 0), (0, 0)]

[(0, 0, 0), (0, 1, 0), (0, 2, 1), (1, 2, 1), (2, 2, 0)]

Vertices : [0, 1, 2]

Edges : [(0, 0, 0), (0, 1, 0), (0, 2, 1), (1, 2, 1), (2, 2, 0)]

IsElrn : True

ElrnCycle : [(0, 2), (2, 2), (2, 1), (1, 0), (0, 0)]

[(0, 0, 0), (0, 1, 1), (0, 2, 0), (1, 1, 0), (1, 2, 0)]

Vertices : [0, 1, 2]

Edges : [(0, 0, 0), (0, 1, 1), (0, 2, 0), (1, 1, 0), (1, 2, 0)]

IsElrn : True

ElrnCycle : [(0, 2), (2, 1), (1, 1), (1, 0), (0, 0)]

[(0, 0, 0), (0, 1, 1), (0, 2, 0), (1, 1, 0), (1, 2, 1)]

Vertices : [0, 1, 2]

Edges : [(0, 0, 0), (0, 1, 1), (0, 2, 0), (1, 1, 0), (1, 2, 1)]

IsElrn : True

ElrnCycle : [(0, 2), (2, 1), (1, 1), (1, 0), (0, 0)]

[(0, 0, 0), (0, 1, 1), (0, 2, 0), (1, 2, 0), (2, 2, 0)]

Vertices : [0, 1, 2]

Edges : [(0, 0, 0), (0, 1, 1), (0, 2, 0), (1, 2, 0), (2, 2, 0)]

IsElrn : True

ElrnCycle : [(0, 2), (2, 2), (2, 1), (1, 0), (0, 0)]

[(0, 0, 0), (0, 1, 1), (0, 2, 0), (1, 2, 1), (2, 2, 0)]

Vertices : [0, 1, 2]

Edges : [(0, 0, 0), (0, 1, 1), (0, 2, 0), (1, 2, 1), (2, 2, 0)]

IsElrn : True

ElrnCycle : [(0, 2), (2, 2), (2, 1), (1, 0), (0, 0)]

[(0, 0, 0), (0, 1, 1), (0, 2, 1), (1, 1, 0), (1, 2, 0)]

Vertices : [0, 1, 2]

Edges : [(0, 0, 0), (0, 1, 1), (0, 2, 1), (1, 1, 0), (1, 2, 0)]

IsElrn : True

ElrnCycle : [(0, 2), (2, 1), (1, 1), (1, 0), (0, 0)]

[(0, 0, 0), (0, 1, 1), (0, 2, 1), (1, 1, 0), (1, 2, 1)]

Vertices : [0, 1, 2]

Edges : [(0, 0, 0), (0, 1, 1), (0, 2, 1), (1, 1, 0), (1, 2, 1)]

IsElrn : True

ElrnCycle : [(0, 2), (2, 1), (1, 1), (1, 0), (0, 0)]

[(0, 0, 0), (0, 1, 1), (0, 2, 1), (1, 2, 0), (2, 2, 0)]

Vertices : [0, 1, 2]

Edges : [(0, 0, 0), (0, 1, 1), (0, 2, 1), (1, 2, 0), (2, 2, 0)]

IsElrn : True

ElrnCycle : [(0, 2), (2, 2), (2, 1), (1, 0), (0, 0)]

[(0, 0, 0), (0, 1, 1), (0, 2, 1), (1, 2, 1), (2, 2, 0)]

Vertices : [0, 1, 2]

Edges : [(0, 0, 0), (0, 1, 1), (0, 2, 1), (1, 2, 1), (2, 2, 0)]

IsElrn : True

ElrnCycle : [(0, 2), (2, 2), (2, 1), (1, 0), (0, 0)]

[(0, 0, 0), (0, 2, 0), (0, 2, 1), (1, 2, 0), (1, 2, 1)]

Vertices : [0, 1, 2]

Edges : [(0, 0, 0), (0, 2, 0), (0, 2, 1), (1, 2, 0), (1, 2, 1)]

IsElrn : True

ElrnCycle : [(0, 2), (2, 1), (1, 2), (2, 0), (0, 0)]

[(0, 1, 0), (0, 1, 1), (0, 2, 0), (0, 2, 1), (1, 1, 0)]

Vertices : [0, 1, 2]

Edges : [(0, 1, 0), (0, 1, 1), (0, 2, 0), (0, 2, 1), (1, 1, 0)]

IsElrn : True

ElrnCycle : [(0, 2), (2, 0), (0, 1), (1, 1), (1, 0)]

[(0, 1, 0), (0, 1, 1), (0, 2, 0), (0, 2, 1), (2, 2, 0)]

Vertices : [0, 1, 2]

Edges : [(0, 1, 0), (0, 1, 1), (0, 2, 0), (0, 2, 1), (2, 2, 0)]

IsElrn : True

ElrnCycle : [(0, 2), (2, 2), (2, 0), (0, 1), (1, 0)]

[(0, 1, 0), (0, 1, 1), (1, 1, 0), (1, 2, 0), (1, 2, 1)]

Vertices : [0, 1, 2]

Edges : [(0, 1, 0), (0, 1, 1), (1, 1, 0), (1, 2, 0), (1, 2, 1)]

IsElrn : True

ElrnCycle : [(0, 1), (1, 2), (2, 1), (1, 1), (1, 0)]

[(0, 1, 0), (0, 1, 1), (1, 2, 0), (1, 2, 1), (2, 2, 0)]

Vertices : [0, 1, 2]

Edges : [(0, 1, 0), (0, 1, 1), (1, 2, 0), (1, 2, 1), (2, 2, 0)]

IsElrn : True

ElrnCycle : [(0, 1), (1, 2), (2, 2), (2, 1), (1, 0)]

[(0, 1, 0), (0, 2, 0), (1, 1, 0), (1, 2, 0), (2, 2, 0)]

Vertices : [0, 1, 2]

Edges : [(0, 1, 0), (0, 2, 0), (1, 1, 0), (1, 2, 0), (2, 2, 0)]

IsEln : True

ElnCycle : [(0, 2), (2, 2), (2, 1), (1, 1), (1, 0)]

[(0, 1, 0), (0, 2, 0), (1, 1, 0), (1, 2, 1), (2, 2, 0)]

Vertices : [0, 1, 2]

Edges : [(0, 1, 0), (0, 2, 0), (1, 1, 0), (1, 2, 1), (2, 2, 0)]

IsEln : True

ElnCycle : [(0, 2), (2, 2), (2, 1), (1, 1), (1, 0)]

[(0, 1, 0), (0, 2, 1), (1, 1, 0), (1, 2, 0), (2, 2, 0)]

Vertices : [0, 1, 2]

Edges : [(0, 1, 0), (0, 2, 1), (1, 1, 0), (1, 2, 0), (2, 2, 0)]

IsEln : True

ElnCycle : [(0, 2), (2, 2), (2, 1), (1, 1), (1, 0)]

[(0, 1, 0), (0, 2, 1), (1, 1, 0), (1, 2, 1), (2, 2, 0)]

Vertices : [0, 1, 2]

Edges : [(0, 1, 0), (0, 2, 1), (1, 1, 0), (1, 2, 1), (2, 2, 0)]

IsEln : True

ElnCycle : [(0, 2), (2, 2), (2, 1), (1, 1), (1, 0)]

[(0, 1, 1), (0, 2, 0), (1, 1, 0), (1, 2, 0), (2, 2, 0)]

Vertices : [0, 1, 2]

Edges : [(0, 1, 1), (0, 2, 0), (1, 1, 0), (1, 2, 0), (2, 2, 0)]

IsEln : True

ElnCycle : [(0, 2), (2, 2), (2, 1), (1, 1), (1, 0)]

[(0, 1, 1), (0, 2, 0), (1, 1, 0), (1, 2, 1), (2, 2, 0)]

Vertices : [0, 1, 2]

Edges : [(0, 1, 1), (0, 2, 0), (1, 1, 0), (1, 2, 1), (2, 2, 0)]

IsEln : True

ElnCycle : [(0, 2), (2, 2), (2, 1), (1, 1), (1, 0)]

[(0, 1, 1), (0, 2, 1), (1, 1, 0), (1, 2, 0), (2, 2, 0)]

Vertices : [0, 1, 2]

Edges : [(0, 1, 1), (0, 2, 1), (1, 1, 0), (1, 2, 0), (2, 2, 0)]

IsElrn : True

ElrnCycle : [(0, 2), (2, 2), (2, 1), (1, 1), (1, 0)]

[(0, 1, 1), (0, 2, 1), (1, 1, 0), (1, 2, 1), (2, 2, 0)]

Vertices : [0, 1, 2]

Edges : [(0, 1, 1), (0, 2, 1), (1, 1, 0), (1, 2, 1), (2, 2, 0)]

IsElrn : True

ElrnCycle : [(0, 2), (2, 2), (2, 1), (1, 1), (1, 0)]

[(0, 2, 0), (0, 2, 1), (1, 1, 0), (1, 2, 0), (1, 2, 1)]

Vertices : [0, 1, 2]

Edges : [(0, 2, 0), (0, 2, 1), (1, 1, 0), (1, 2, 0), (1, 2, 1)]

IsElrn : True

ElrnCycle : [(0, 2), (2, 1), (1, 1), (1, 2), (2, 0)]

[(0, 2, 0), (0, 2, 1), (1, 2, 0), (1, 2, 1), (2, 2, 0)]

Vertices : [0, 1, 2]

Edges : [(0, 2, 0), (0, 2, 1), (1, 2, 0), (1, 2, 1), (2, 2, 0)]

IsElrn : True

ElrnCycle : [(0, 2), (2, 2), (2, 1), (1, 2), (2, 0)]

=====

Groups from 6 edges

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[(0, 0, 0), (0, 1, 0), (0, 1, 1), (0, 2, 0), (0, 2, 1), (1, 1, 0)]

Vertices : [0, 1, 2]

Edges : [(0, 0, 0), (0, 1, 0), (0, 1, 1), (0, 2, 0), (0, 2, 1), (1, 1, 0)]

IsElrn : True

ElrnCycle : [(0, 2), (2, 0), (0, 1), (1, 1), (1, 0), (0, 0)]

[(0, 0, 0), (0, 1, 0), (0, 1, 1), (0, 2, 0), (0, 2, 1), (2, 2, 0)]

Vertices : [0, 1, 2]

Edges : [(0, 0, 0), (0, 1, 0), (0, 1, 1), (0, 2, 0), (0, 2, 1), (2, 2, 0)]

IsElrn : True

ElrnCycle : [(0, 2), (2, 2), (2, 0), (0, 1), (1, 0), (0, 0)]

[(0, 0, 0), (0, 1, 0), (0, 1, 1), (1, 1, 0), (1, 2, 0), (1, 2, 1)]

Vertices : [0, 1, 2]

Edges : [(0, 0, 0), (0, 1, 0), (0, 1, 1), (1, 1, 0), (1, 2, 0), (1, 2, 1)]

IsEln : True

ElnCycle : [(0, 1), (1, 2), (2, 1), (1, 1), (1, 0), (0, 0)]

[(0, 0, 0), (0, 1, 0), (0, 1, 1), (1, 2, 0), (1, 2, 1), (2, 2, 0)]

Vertices : [0, 1, 2]

Edges : [(0, 0, 0), (0, 1, 0), (0, 1, 1), (1, 2, 0), (1, 2, 1), (2, 2, 0)]

IsEln : True

ElnCycle : [(0, 1), (1, 2), (2, 2), (2, 1), (1, 0), (0, 0)]

[(0, 0, 0), (0, 1, 0), (0, 2, 0), (1, 1, 0), (1, 2, 0), (2, 2, 0)]

Vertices : [0, 1, 2]

Edges : [(0, 0, 0), (0, 1, 0), (0, 2, 0), (1, 1, 0), (1, 2, 0), (2, 2, 0)]

IsEln : True

ElnCycle : [(0, 2), (2, 2), (2, 1), (1, 1), (1, 0), (0, 0)]

[(0, 0, 0), (0, 1, 0), (0, 2, 0), (1, 1, 0), (1, 2, 1), (2, 2, 0)]

Vertices : [0, 1, 2]

Edges : [(0, 0, 0), (0, 1, 0), (0, 2, 0), (1, 1, 0), (1, 2, 1), (2, 2, 0)]

IsEln : True

ElnCycle : [(0, 2), (2, 2), (2, 1), (1, 1), (1, 0), (0, 0)]

[(0, 0, 0), (0, 1, 0), (0, 2, 1), (1, 1, 0), (1, 2, 0), (2, 2, 0)]

Vertices : [0, 1, 2]

Edges : [(0, 0, 0), (0, 1, 0), (0, 2, 1), (1, 1, 0), (1, 2, 0), (2, 2, 0)]

IsEln : True

ElnCycle : [(0, 2), (2, 2), (2, 1), (1, 1), (1, 0), (0, 0)]

[(0, 0, 0), (0, 1, 0), (0, 2, 1), (1, 1, 0), (1, 2, 1), (2, 2, 0)]

Vertices : [0, 1, 2]

Edges : [(0, 0, 0), (0, 1, 0), (0, 2, 1), (1, 1, 0), (1, 2, 1), (2, 2, 0)]

IsEln : True

ElnCycle : [(0, 2), (2, 2), (2, 1), (1, 1), (1, 0), (0, 0)]

[(0, 0, 0), (0, 1, 1), (0, 2, 0), (1, 1, 0), (1, 2, 0), (2, 2, 0)]

Vertices : [0, 1, 2]

Edges : [(0, 0, 0), (0, 1, 1), (0, 2, 0), (1, 1, 0), (1, 2, 0), (2, 2, 0)]

IsEln : True

ElrnCycle : [(0, 2), (2, 2), (2, 1), (1, 1), (1, 0), (0, 0)]

[(0, 0, 0), (0, 1, 1), (0, 2, 0), (1, 1, 0), (1, 2, 1), (2, 2, 0)]

Vertices : [0, 1, 2]

Edges : [(0, 0, 0), (0, 1, 1), (0, 2, 0), (1, 1, 0), (1, 2, 1), (2, 2, 0)]

IsElrn : True

ElrnCycle : [(0, 2), (2, 2), (2, 1), (1, 1), (1, 0), (0, 0)]

[(0, 0, 0), (0, 1, 1), (0, 2, 1), (1, 1, 0), (1, 2, 0), (2, 2, 0)]

Vertices : [0, 1, 2]

Edges : [(0, 0, 0), (0, 1, 1), (0, 2, 1), (1, 1, 0), (1, 2, 0), (2, 2, 0)]

IsElrn : True

ElrnCycle : [(0, 2), (2, 2), (2, 1), (1, 1), (1, 0), (0, 0)]

[(0, 0, 0), (0, 1, 1), (0, 2, 1), (1, 1, 0), (1, 2, 1), (2, 2, 0)]

Vertices : [0, 1, 2]

Edges : [(0, 0, 0), (0, 1, 1), (0, 2, 1), (1, 1, 0), (1, 2, 1), (2, 2, 0)]

IsElrn : True

ElrnCycle : [(0, 2), (2, 2), (2, 1), (1, 1), (1, 0), (0, 0)]

[(0, 0, 0), (0, 2, 0), (0, 2, 1), (1, 1, 0), (1, 2, 0), (1, 2, 1)]

Vertices : [0, 1, 2]

Edges : [(0, 0, 0), (0, 2, 0), (0, 2, 1), (1, 1, 0), (1, 2, 0), (1, 2, 1)]

IsElrn : True

ElrnCycle : [(0, 2), (2, 1), (1, 1), (1, 2), (2, 0), (0, 0)]

[(0, 0, 0), (0, 2, 0), (0, 2, 1), (1, 2, 0), (1, 2, 1), (2, 2, 0)]

Vertices : [0, 1, 2]

Edges : [(0, 0, 0), (0, 2, 0), (0, 2, 1), (1, 2, 0), (1, 2, 1), (2, 2, 0)]

IsElrn : True

ElrnCycle : [(0, 2), (2, 2), (2, 1), (1, 2), (2, 0), (0, 0)]

[(0, 1, 0), (0, 1, 1), (0, 2, 0), (0, 2, 1), (1, 1, 0), (2, 2, 0)]

Vertices : [0, 1, 2]

Edges : [(0, 1, 0), (0, 1, 1), (0, 2, 0), (0, 2, 1), (1, 1, 0), (2, 2, 0)]

IsElrn : True

ElrnCycle : [(0, 2), (2, 2), (2, 0), (0, 1), (1, 1), (1, 0)]

[(0, 1, 0), (0, 1, 1), (0, 2, 0), (0, 2, 1), (1, 2, 0), (1, 2, 1)]



Vertices : [0, 1, 2]

Edges : [(0, 1, 0), (0, 1, 1), (0, 2, 0), (0, 2, 1), (1, 2, 0), (1, 2, 1)]

IsElrn : True

ElrnCycle : [(0, 2), (2, 1), (1, 2), (2, 0), (0, 1), (1, 0)]

[(0, 1, 0), (0, 1, 1), (1, 1, 0), (1, 2, 0), (1, 2, 1), (2, 2, 0)]

Vertices : [0, 1, 2]

Edges : [(0, 1, 0), (0, 1, 1), (1, 1, 0), (1, 2, 0), (1, 2, 1), (2, 2, 0)]

IsElrn : True

ElrnCycle : [(0, 1), (1, 2), (2, 2), (2, 1), (1, 1), (1, 0)]

[(0, 2, 0), (0, 2, 1), (1, 1, 0), (1, 2, 0), (1, 2, 1), (2, 2, 0)]

Vertices : [0, 1, 2]

Edges : [(0, 2, 0), (0, 2, 1), (1, 1, 0), (1, 2, 0), (1, 2, 1), (2, 2, 0)]

IsElrn : True

ElrnCycle : [(0, 2), (2, 2), (2, 1), (1, 1), (1, 2), (2, 0)]

=====

Groups from 7 edges

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[(0, 0, 0), (0, 1, 0), (0, 1, 1), (0, 2, 0), (0, 2, 1), (1, 1, 0), (2, 2, 0)]

Vertices : [0, 1, 2]

Edges : [(0, 0, 0), (0, 1, 0), (0, 1, 1), (0, 2, 0), (0, 2, 1), (1, 1, 0), (2, 2, 0)]

IsElrn : True

ElrnCycle : [(0, 2), (2, 2), (2, 0), (0, 1), (1, 1), (1, 0), (0, 0)]

[(0, 0, 0), (0, 1, 0), (0, 1, 1), (0, 2, 0), (0, 2, 1), (1, 2, 0), (1, 2, 1)]

Vertices : [0, 1, 2]

Edges : [(0, 0, 0), (0, 1, 0), (0, 1, 1), (0, 2, 0), (0, 2, 1), (1, 2, 0), (1, 2, 1)]

IsElrn : True

ElrnCycle : [(0, 2), (2, 1), (1, 2), (2, 0), (0, 1), (1, 0), (0, 0)]

[(0, 0, 0), (0, 1, 0), (0, 1, 1), (1, 1, 0), (1, 2, 0), (1, 2, 1), (2, 2, 0)]

Vertices : [0, 1, 2]

Edges : [(0, 0, 0), (0, 1, 0), (0, 1, 1), (1, 1, 0), (1, 2, 0), (1, 2, 1), (2, 2, 0)]

IsElrn : True

ElrnCycle : [(0, 1), (1, 2), (2, 2), (2, 1), (1, 1), (1, 0), (0, 0)]

[(0, 0, 0), (0, 2, 0), (0, 2, 1), (1, 1, 0), (1, 2, 0), (1, 2, 1), (2, 2, 0)]

Vertices : [0, 1, 2]

Edges : [(0, 0, 0), (0, 2, 0), (0, 2, 1), (1, 1, 0), (1, 2, 0), (1, 2, 1), (2, 2, 0)]

IsElrn : True

ElrnCycle : [(0, 2), (2, 2), (2, 1), (1, 1), (1, 2), (2, 0), (0, 0)]

[(0, 1, 0), (0, 1, 1), (0, 2, 0), (0, 2, 1), (1, 1, 0), (1, 2, 0), (1, 2, 1)]

Vertices : [0, 1, 2]

Edges : [(0, 1, 0), (0, 1, 1), (0, 2, 0), (0, 2, 1), (1, 1, 0), (1, 2, 0), (1, 2, 1)]

IsElrn : True

ElrnCycle : [(0, 2), (2, 1), (1, 1), (1, 2), (2, 0), (0, 1), (1, 0)]

[(0, 1, 0), (0, 1, 1), (0, 2, 0), (0, 2, 1), (1, 2, 0), (1, 2, 1), (2, 2, 0)]

Vertices : [0, 1, 2]

Edges : [(0, 1, 0), (0, 1, 1), (0, 2, 0), (0, 2, 1), (1, 2, 0), (1, 2, 1), (2, 2, 0)]

IsElrn : True

ElrnCycle : [(0, 2), (2, 2), (2, 1), (1, 2), (2, 0), (0, 1), (1, 0)]

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Groups from 8 edges

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[(0, 0, 0), (0, 1, 0), (0, 1, 1), (0, 2, 0), (0, 2, 1), (1, 1, 0), (1, 2, 0), (1, 2, 1)]

Vertices : [0, 1, 2]

Edges : [(0, 0, 0), (0, 1, 0), (0, 1, 1), (0, 2, 0), (0, 2, 1), (1, 1, 0), (1, 2, 0), (1, 2, 1)]

IsElrn : True

ElrnCycle : [(0, 2), (2, 1), (1, 1), (1, 2), (2, 0), (0, 1), (1, 0), (0, 0)]

[(0, 0, 0), (0, 1, 0), (0, 1, 1), (0, 2, 0), (0, 2, 1), (1, 2, 0), (1, 2, 1), (2, 2, 0)]

Vertices : [0, 1, 2]

Edges : [(0, 0, 0), (0, 1, 0), (0, 1, 1), (0, 2, 0), (0, 2, 1), (1, 2, 0), (1, 2, 1), (2, 2, 0)]

IsElrn : True

ElrnCycle : [(0, 2), (2, 2), (2, 1), (1, 2), (2, 0), (0, 1), (1, 0), (0, 0)]

[(0, 1, 0), (0, 1, 1), (0, 2, 0), (0, 2, 1), (1, 1, 0), (1, 2, 0), (1, 2, 1), (2, 2, 0)]

Vertices : [0, 1, 2]

Edges : [(0, 1, 0), (0, 1, 1), (0, 2, 0), (0, 2, 1), (1, 1, 0), (1, 2, 0), (1, 2, 1), (2, 2, 0)]

IsElrn : True

ElnCycle : [(0, 2), (2, 2), (2, 1), (1, 1), (1, 2), (2, 0), (0, 1), (1, 0)]

Total eulerian SbGraph = 110

















