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Conclusion:

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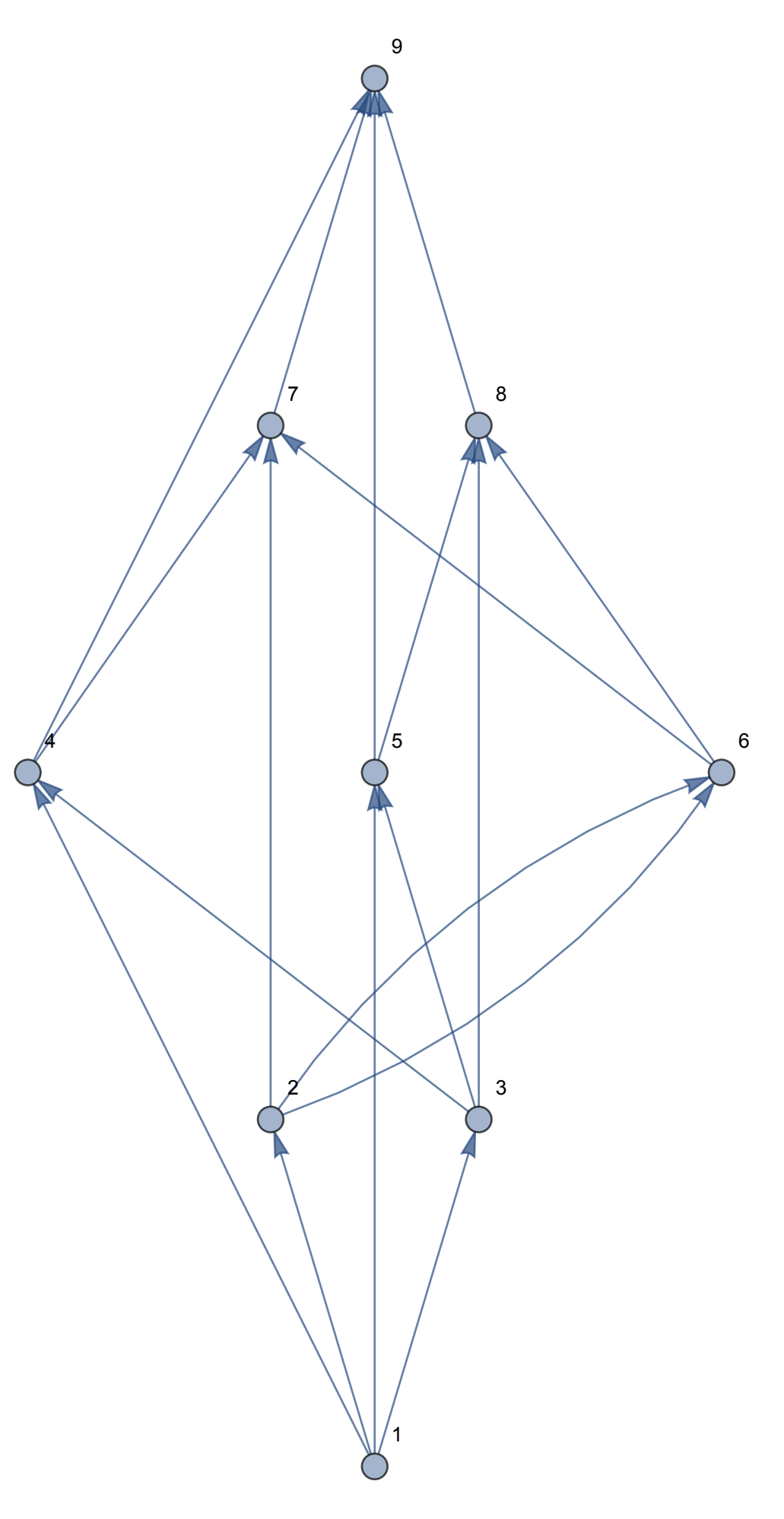
All Possible Isotropy Weights for Multigraph #: 355 681

There are at most 1 solutions:

{{b[1], b[1], 2 b[1], b[2]}, {-b[1], b[1], b[1], b[2]}, {-b[1], b[1], 2 b[1], -b[1] + b[2]}, {b[1], 2 b[1], b[1] - b[2], -b[2]}, {-2 b[1], -b[1], b[1], b[2]}, {-b[1], -b[1], b[1], -b[1] + b[2]}, {-b[1], b[1], b[1] - b[2], -b[2]}, {-2 b[1], -b[1], -b[1], -b[1] + b[2]}, {-2 b[1], -b[1], b[1] - b[2], -b[2]}}



{{0, 1, 1, 1, 1, 0, 0, 0, 0}, {0, 0, 0, 0, 0, 2, 1, 0, 0}, {0, 0, 0, 1, 1, 0, 0, 1, 0}, {0, 0, 0, 0, 0, 0, 1, 0, 1}, {0, 0, 0, 0, 0, 0, 0, 1, 1}, {0, 0, 0, 0, 0, 0, 1, 1, 0}, {0, 0, 0, 0, 0, 0, 0, 0, 1}, {0, 0, 0, 0, 0, 0, 0, 0, 1}, {0, 0, 0, 0, 0, 0, 0, 0, 0}}

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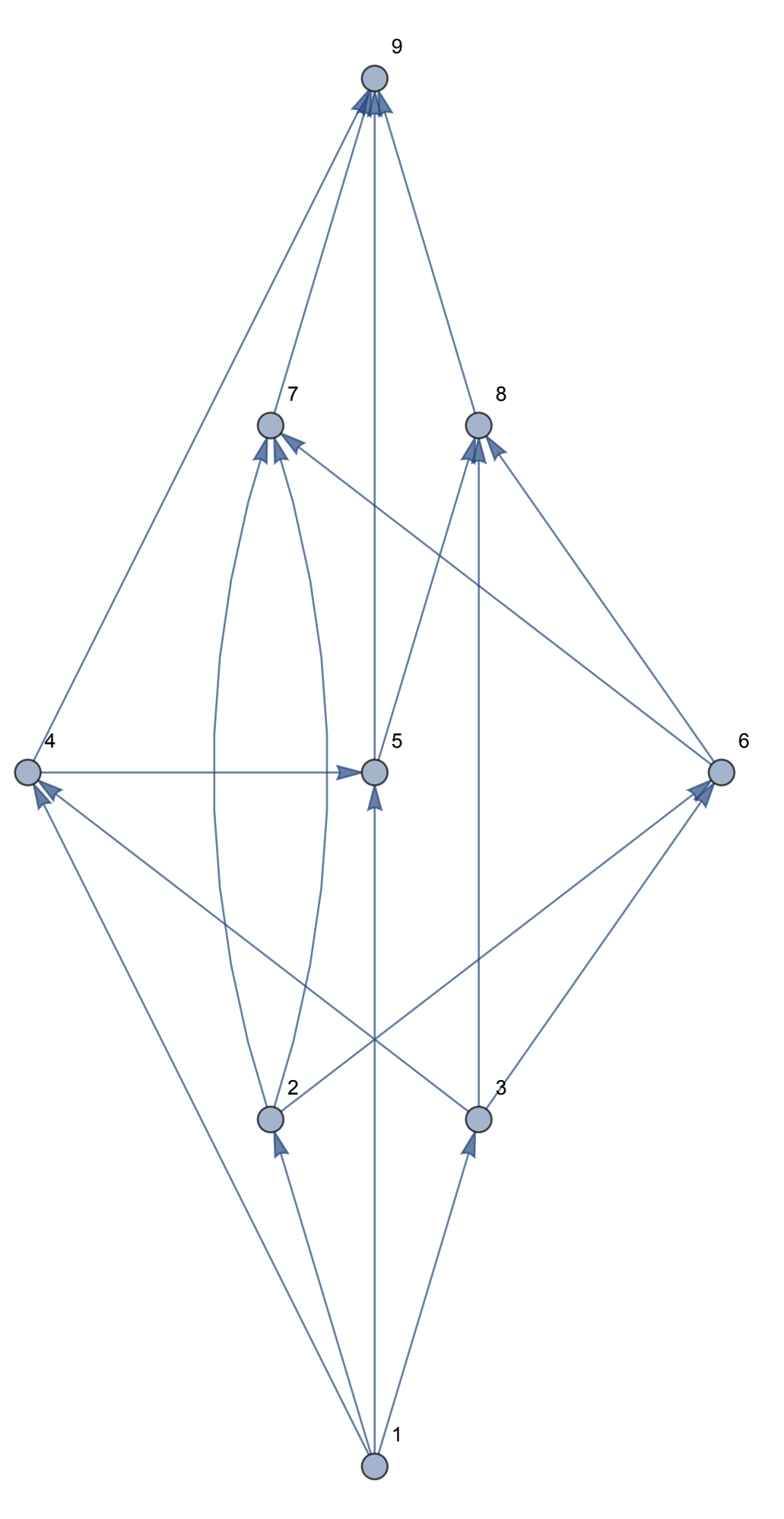
All Possible Isotropy Weights for Multigraph #: 356 664

There are at most 1 solutions:

{{b[1], b[1], 2 b[1], b[2]}, {-b[1], b[1], b[1], b[2]}, {b[1], 2 b[1], b[1] - b[2], -b[2]}, {-b[1], b[1], 2 b[1], -b[1] + b[2]}, {-2 b[1], -b[1], b[1], b[2]}, {-b[1], b[1], b[1] - b[2], -b[2]}, {-b[1], -b[1], b[1], -b[1] + b[2]}, {-2 b[1], -b[1], b[1] - b[2], -b[2]}, {-2 b[1], -b[1], -b[1], -b[1] + b[2]}}



{{0, 1, 1, 1, 1, 0, 0, 0, 0}, {0, 0, 0, 0, 0, 1, 2, 0, 0}, {0, 0, 0, 1, 0, 1, 0, 1, 0}, {0, 0, 0, 0, 1, 0, 0, 0, 1}, {0, 0, 0, 0, 0, 0, 0, 1, 1}, {0, 0, 0, 0, 0, 0, 1, 1, 0}, {0, 0, 0, 0, 0, 0, 0, 0, 1}, {0, 0, 0, 0, 0, 0, 0, 0, 1}, {0, 0, 0, 0, 0, 0, 0, 0, 0}}

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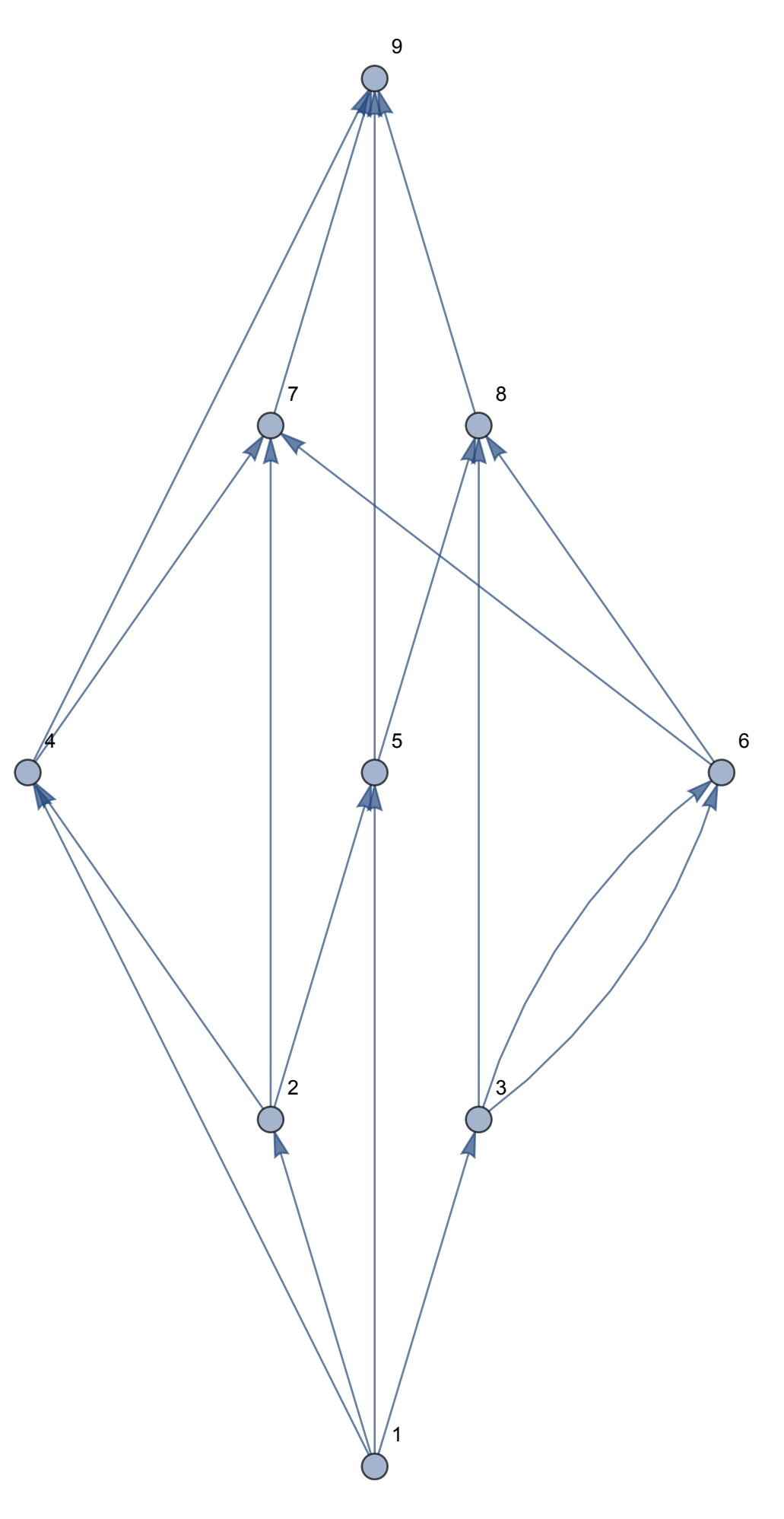
All Possible Isotropy Weights for Multigraph #: 360 127

There are at most 1 solutions:

{{b[1], b[1], 2 b[1], b[2]}, {-b[1], b[1], 2 b[1], -b[1] + b[2]}, {-b[1], b[1], b[1], b[2]}, {-2 b[1], -b[1], b[1], b[2]}, {b[1], 2 b[1], b[1] - b[2], -b[2]}, {-b[1], -b[1], b[1], -b[1] + b[2]}, {-2 b[1], -b[1], -b[1], -b[1] + b[2]}, {-b[1], b[1], b[1] - b[2], -b[2]}, {-2 b[1], -b[1], b[1] - b[2], -b[2]}}



{{0, 1, 1, 1, 1, 0, 0, 0, 0}, {0, 0, 0, 1, 1, 0, 1, 0, 0}, {0, 0, 0, 0, 0, 2, 0, 1, 0}, {0, 0, 0, 0, 0, 0, 1, 0, 1}, {0, 0, 0, 0, 0, 0, 0, 1, 1}, {0, 0, 0, 0, 0, 0, 1, 1, 0}, {0, 0, 0, 0, 0, 0, 0, 0, 1}, {0, 0, 0, 0, 0, 0, 0, 0, 1}, {0, 0, 0, 0, 0, 0, 0, 0, 0}}

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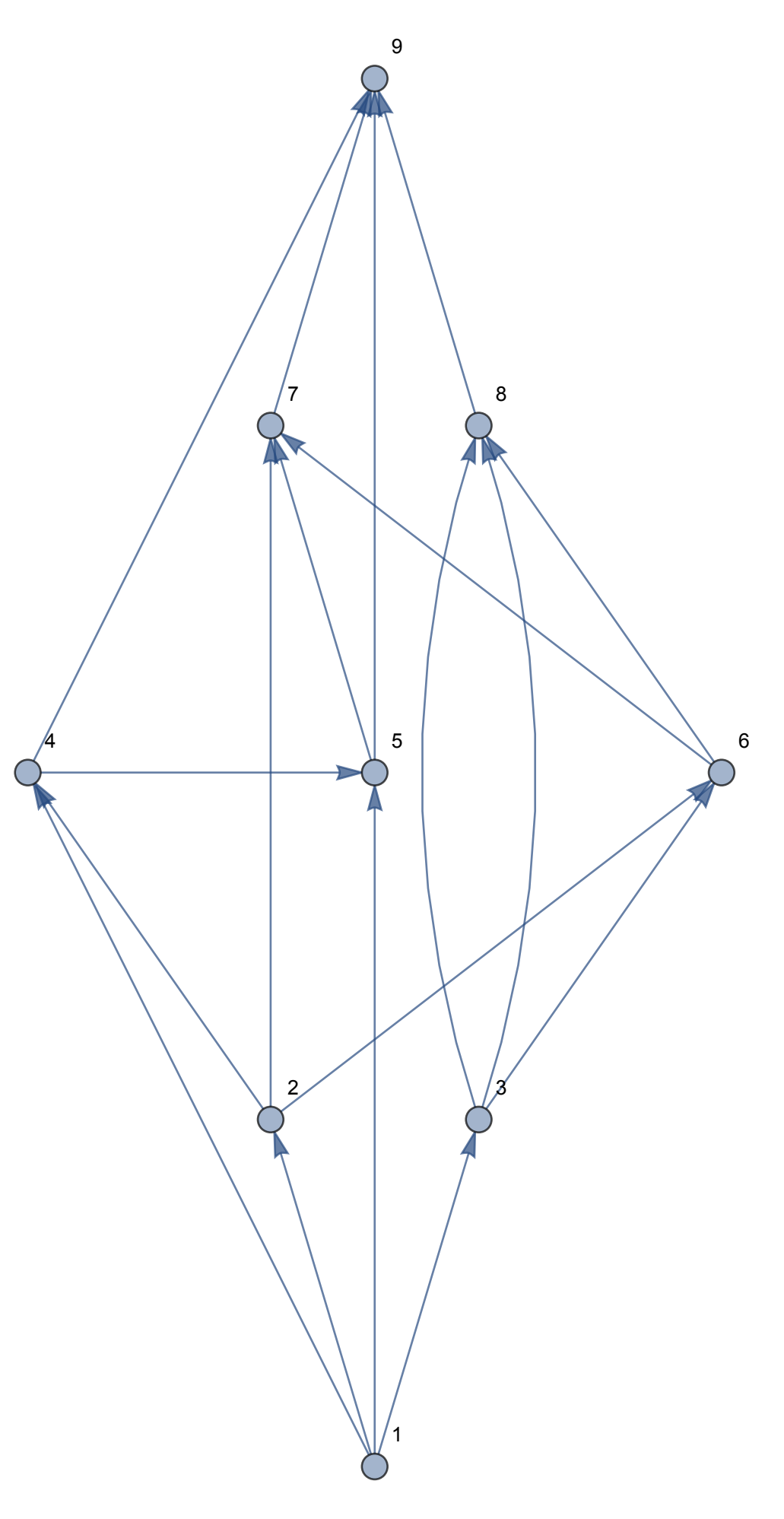
All Possible Isotropy Weights for Multigraph #: 361 853

There are at most 1 solutions:

{{b[1], b[2], b[2], 2 b[2]}, {-b[1], b[2], 2 b[2], -b[1] + b[2]}, {b[1], -b[2], b[2], b[2]}, {b[1] - b[2], -b[2], b[2], 2 b[2]}, {b[1], -2 b[2], -b[2], b[2]}, {-b[1], -b[2], b[2], -b[1] + b[2]}, {-b[1], -2 b[2], -b[2], -b[1] + b[2]}, {b[1] - b[2], -b[2], -b[2], b[2]}, {b[1] - b[2], -2 b[2], -b[2], -b[2]}}



{{0, 1, 1, 1, 1, 0, 0, 0, 0}, {0, 0, 0, 1, 0, 1, 1, 0, 0}, {0, 0, 0, 0, 0, 1, 0, 2, 0}, {0, 0, 0, 0, 1, 0, 0, 0, 1}, {0, 0, 0, 0, 0, 0, 1, 0, 1}, {0, 0, 0, 0, 0, 0, 1, 1, 0}, {0, 0, 0, 0, 0, 0, 0, 0, 1}, {0, 0, 0, 0, 0, 0, 0, 0, 1}, {0, 0, 0, 0, 0, 0, 0, 0, 0}}

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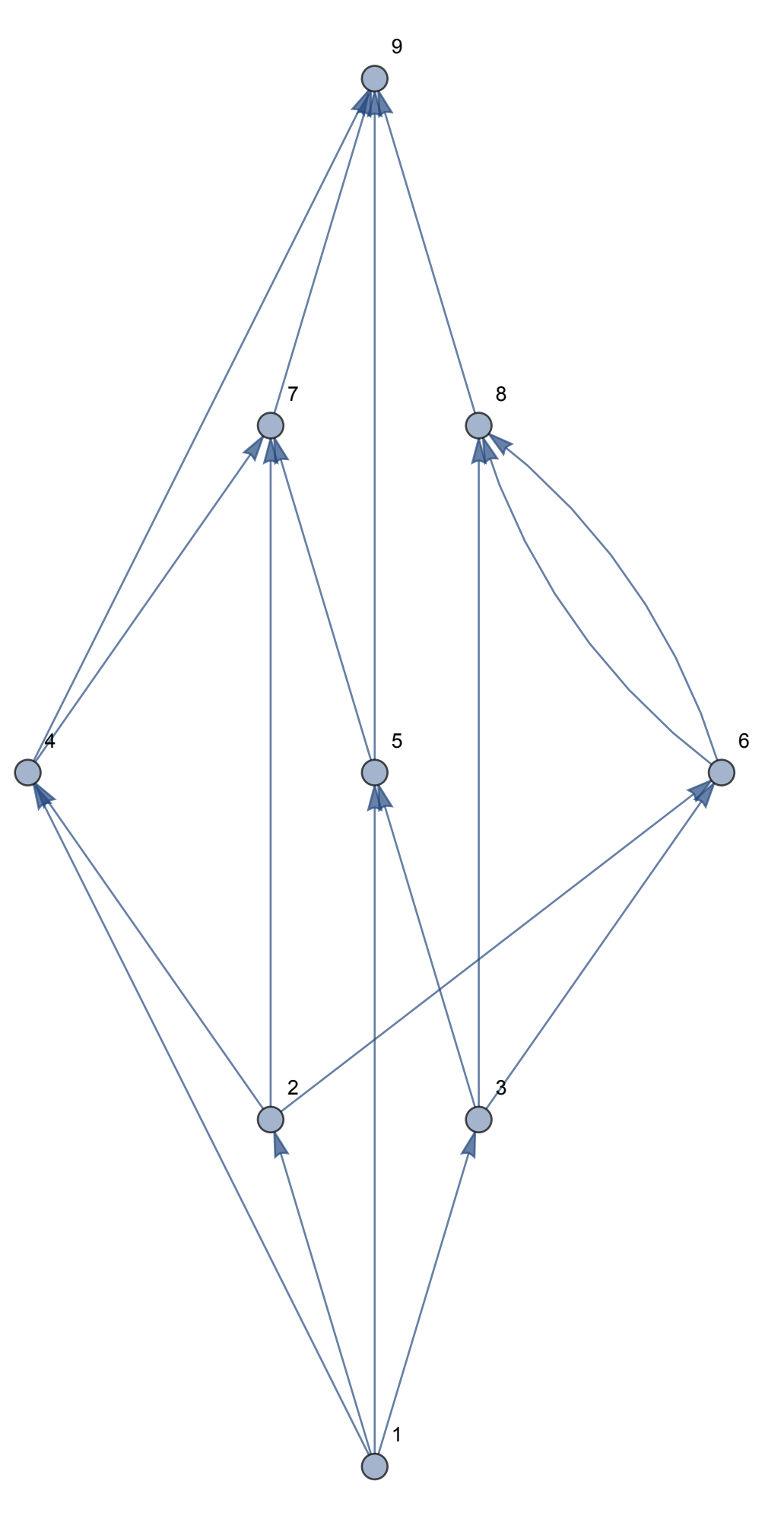
All Possible Isotropy Weights for Multigraph #: 362 106

There are at most 1 solutions:

{{b[1], b[2], 2 b[2], b[1] + b[2]}, {-b[1], b[2], b[2], 2 b[2]}, {b[1], -b[2], b[2], b[1] + b[2]}, {-b[1] - b[2], -b[2], b[2], 2 b[2]}, {b[1], -2 b[2], -b[2], b[1] + b[2]}, {-b[1], -b[2], b[2], b[2]}, {-b[1], -2 b[2], -b[2], b[2]}, {-b[1] - b[2], -b[2], -b[2], b[2]}, {-b[1] - b[2], -2 b[2], -b[2], -b[2]}}



{{0, 1, 1, 1, 1, 0, 0, 0, 0}, {0, 0, 0, 1, 0, 1, 1, 0, 0}, {0, 0, 0, 0, 1, 1, 0, 1, 0}, {0, 0, 0, 0, 0, 0, 1, 0, 1}, {0, 0, 0, 0, 0, 0, 1, 0, 1}, {0, 0, 0, 0, 0, 0, 0, 2, 0}, {0, 0, 0, 0, 0, 0, 0, 0, 1}, {0, 0, 0, 0, 0, 0, 0, 0, 1}, {0, 0, 0, 0, 0, 0, 0, 0, 0}}

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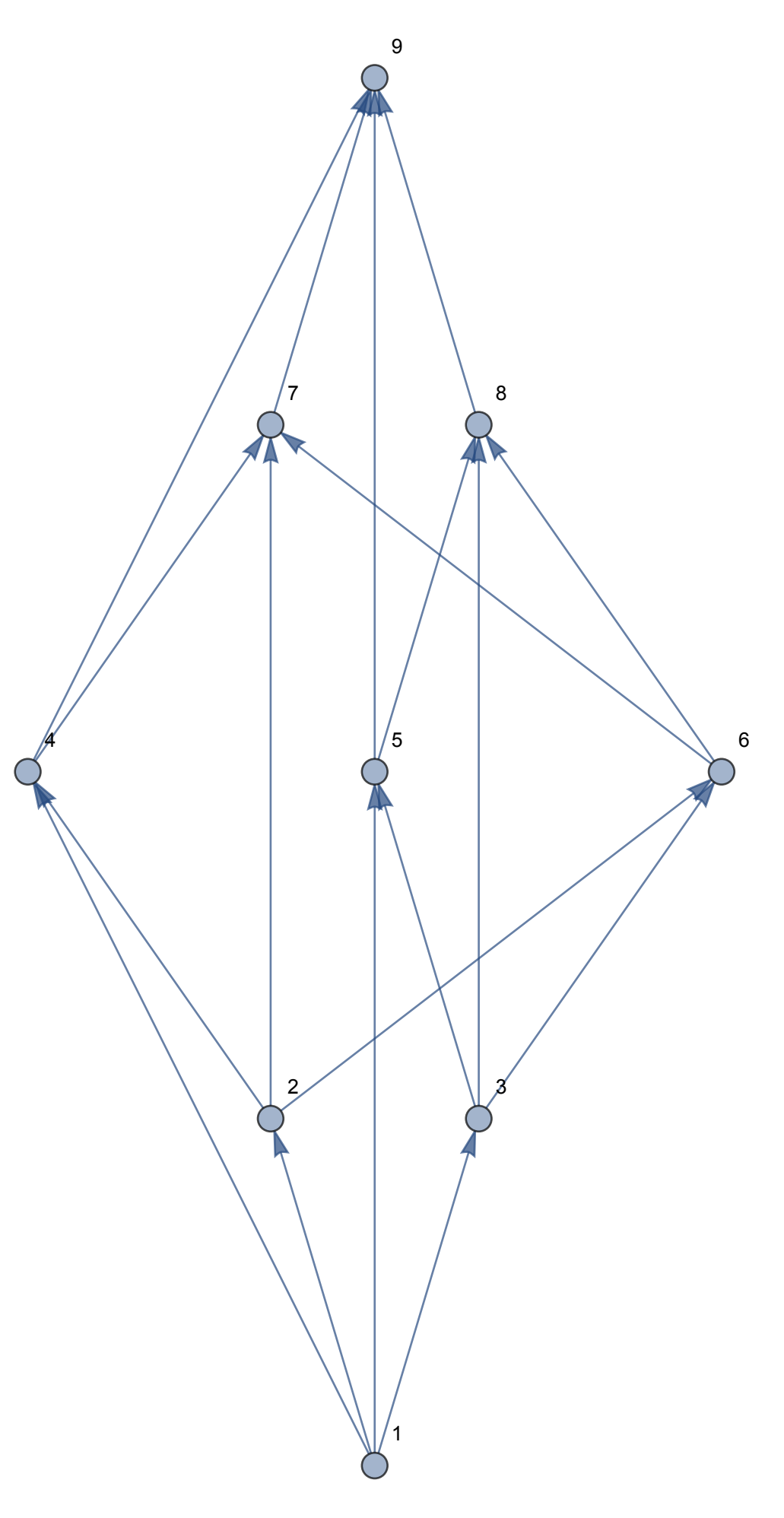
All Possible Isotropy Weights for Multigraph #: 362 108

There are at most 1 solutions:

{{b[1], b[1], b[2], b[2]}, {-b[1], b[1], b[2], -b[1] + b[2]}, {-b[1], b[1], b[2], -b[1] + b[2]}, {b[1], b[1] - b[2], -b[2], b[2]}, {b[1], b[1] - b[2], -b[2], b[2]}, {-b[1], -b[1], -b[1] + b[2], -b[1] + b[2]}, {-b[1], b[1] - b[2], -b[2], -b[1] + b[2]}, {-b[1], b[1] - b[2], -b[2], -b[1] + b[2]}, {b[1] - b[2], b[1] - b[2], -b[2], -b[2]}}



{{0, 1, 1, 1, 1, 0, 0, 0, 0}, {0, 0, 0, 1, 0, 1, 1, 0, 0}, {0, 0, 0, 0, 1, 1, 0, 1, 0}, {0, 0, 0, 0, 0, 0, 1, 0, 1}, {0, 0, 0, 0, 0, 0, 0, 1, 1}, {0, 0, 0, 0, 0, 0, 1, 1, 0}, {0, 0, 0, 0, 0, 0, 0, 0, 1}, {0, 0, 0, 0, 0, 0, 0, 0, 1}, {0, 0, 0, 0, 0, 0, 0, 0, 0}}

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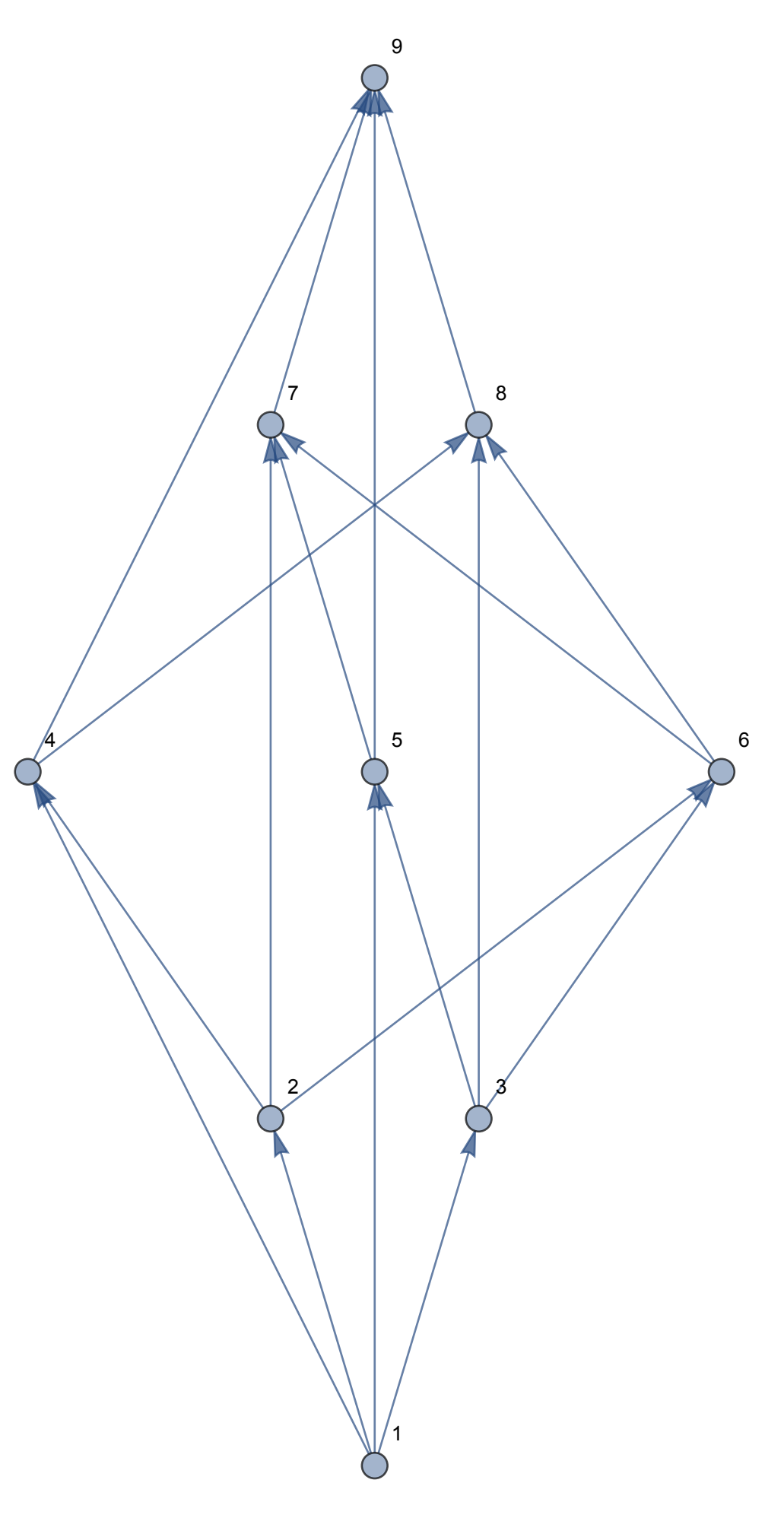
All Possible Isotropy Weights for Multigraph #: 362 114

There are at most 1 solutions:

{{b[1], b[2], b[3], b[4]}, {-b[1], b[2], -b[1] + b[3], b[4]}, {b[1], -b[2], b[3], -b[2] + b[4]}, {b[2], b[1] - b[3], -b[3], b[4]}, {b[1], b[3], b[2] - b[4], -b[4]}, {-b[1], -b[2], -b[1] + b[3], -b[2] + b[4]}, {-b[1], -b[1] + b[3], b[2] - b[4], -b[4]}, {-b[2], b[1] - b[3], -b[3], -b[2] + b[4]}, {b[1] - b[3], -b[3], b[2] - b[4], -b[4]}}



{{0, 1, 1, 1, 1, 0, 0, 0, 0}, {0, 0, 0, 1, 0, 1, 1, 0, 0}, {0, 0, 0, 0, 1, 1, 0, 1, 0}, {0, 0, 0, 0, 0, 0, 0, 1, 1}, {0, 0, 0, 0, 0, 0, 1, 0, 1}, {0, 0, 0, 0, 0, 0, 1, 1, 0}, {0, 0, 0, 0, 0, 0, 0, 0, 1}, {0, 0, 0, 0, 0, 0, 0, 0, 1}, {0, 0, 0, 0, 0, 0, 0, 0, 0}}

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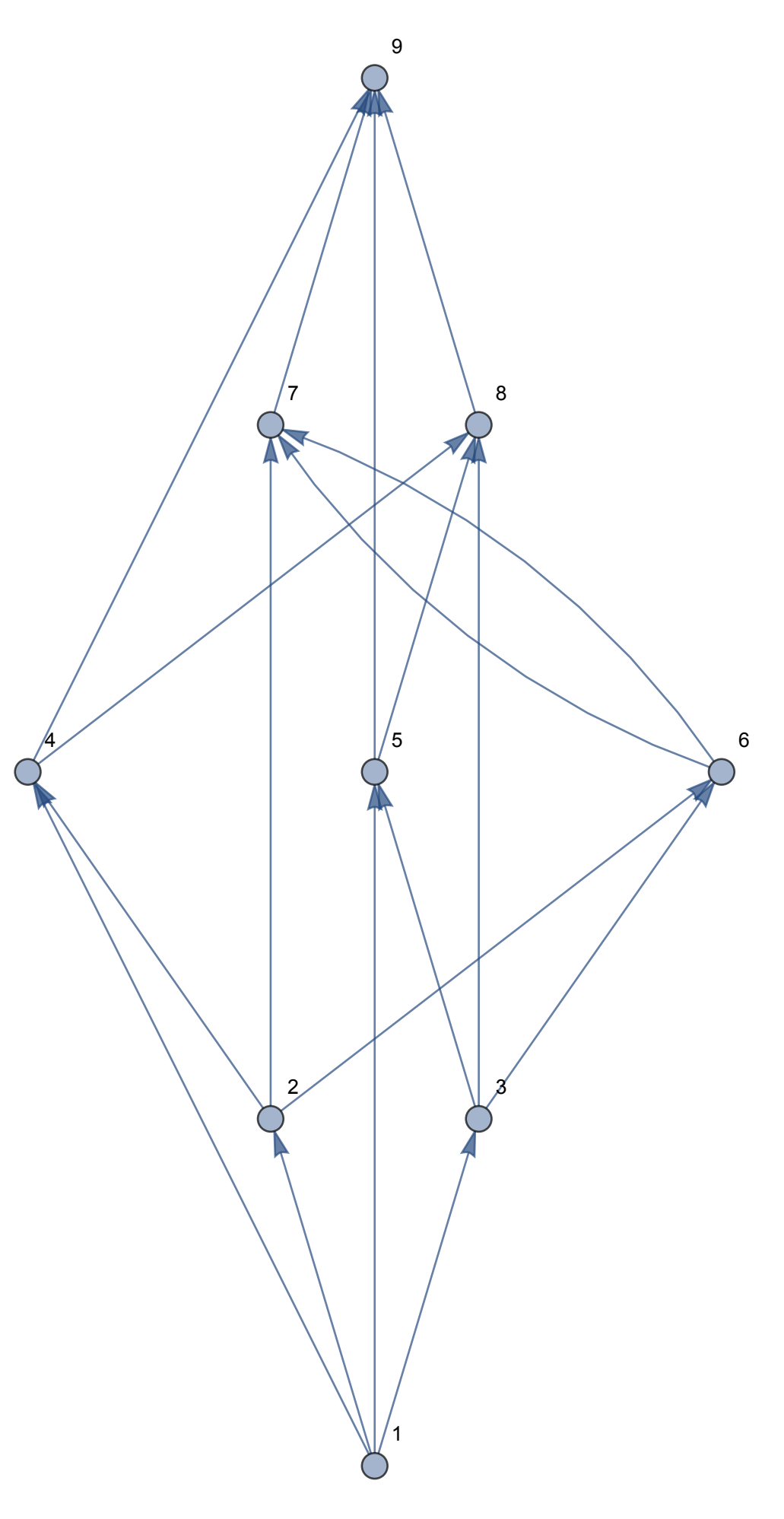
All Possible Isotropy Weights for Multigraph #: 362 116

There are at most 1 solutions:

{{b[1], 2 b[1], b[2], b[1] + b[2]}, {-b[1], b[1], b[2], b[1] + b[2]}, {b[1], b[1], 2 b[1], -b[2]}, {-2 b[1], -b[1], b[2], b[1] + b[2]}, {-b[1], b[1], 2 b[1], -b[1] - b[2]}, {-b[1], b[1], b[1], -b[2]}, {-b[1], -b[1], b[1], -b[1] - b[2]}, {-2 b[1], -b[1], b[1], -b[2]}, {-2 b[1], -b[1], -b[1], -b[1] - b[2]}}



{{0, 1, 1, 1, 1, 0, 0, 0, 0}, {0, 0, 0, 1, 0, 1, 1, 0, 0}, {0, 0, 0, 0, 1, 1, 0, 1, 0}, {0, 0, 0, 0, 0, 0, 0, 1, 1}, {0, 0, 0, 0, 0, 0, 0, 1, 1}, {0, 0, 0, 0, 0, 0, 2, 0, 0}, {0, 0, 0, 0, 0, 0, 0, 0, 1}, {0, 0, 0, 0, 0, 0, 0, 0, 1}, {0, 0, 0, 0, 0, 0, 0, 0, 0}}

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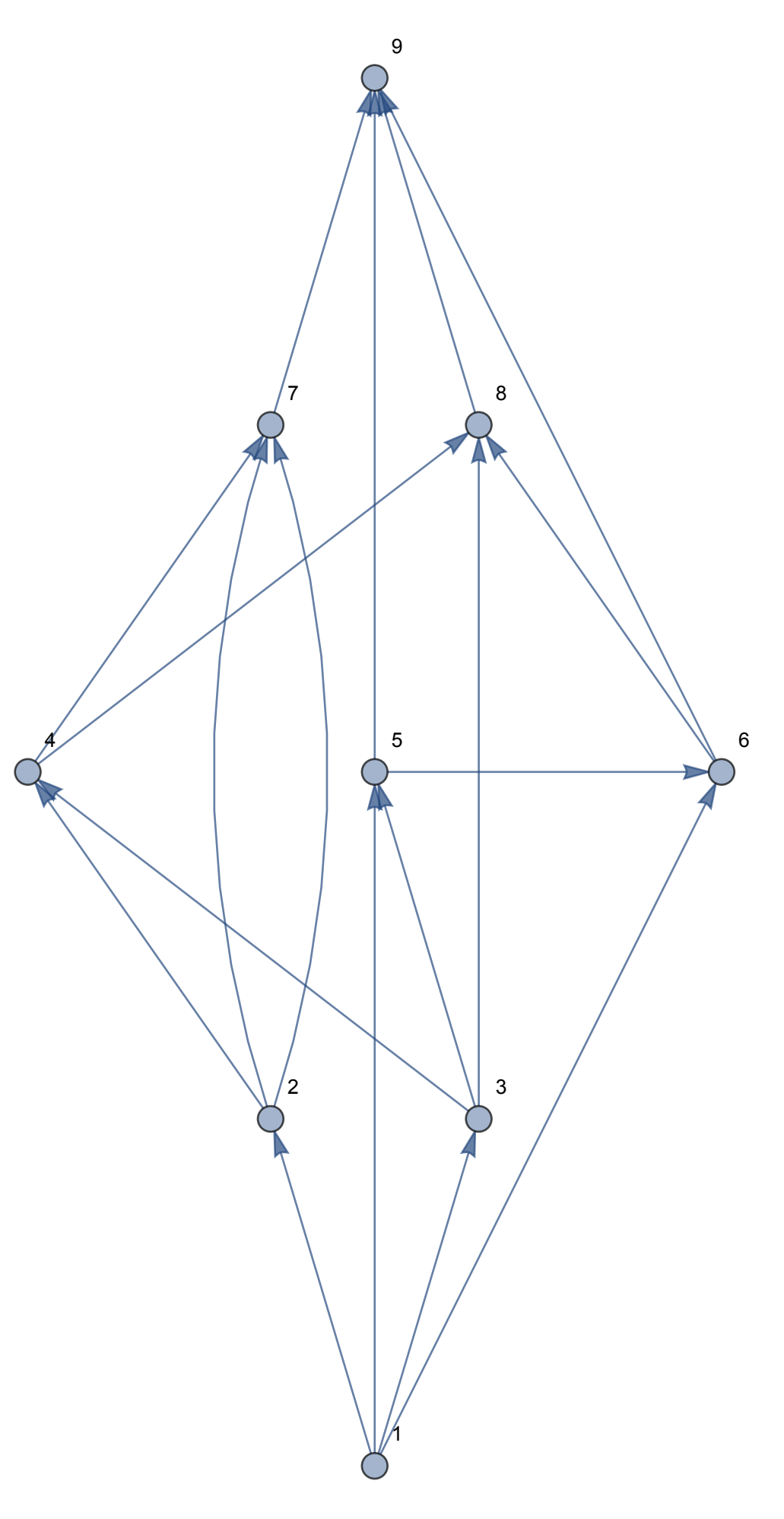
All Possible Isotropy Weights for Multigraph #: 434 920

There are at most 1 solutions:

{{b[1], b[1], 2 b[1], b[2]}, {-b[1], b[1], b[1], b[2]}, {b[1], 2 b[1], b[1] - b[2], -b[2]}, {-b[1], b[1], b[1] - b[2], -b[2]}, {-b[1], b[1], 2 b[1], -b[1] + b[2]}, {-2 b[1], -b[1], b[1], b[2]}, {-b[1], -b[1], b[1], -b[1] + b[2]}, {-2 b[1], -b[1], b[1] - b[2], -b[2]}, {-2 b[1], -b[1], -b[1], -b[1] + b[2]}}



{{0, 1, 1, 0, 1, 1, 0, 0, 0}, {0, 0, 0, 1, 0, 0, 2, 0, 0}, {0, 0, 0, 1, 1, 0, 0, 1, 0}, {0, 0, 0, 0, 0, 0, 1, 1, 0}, {0, 0, 0, 0, 0, 1, 0, 0, 1}, {0, 0, 0, 0, 0, 0, 0, 1, 1}, {0, 0, 0, 0, 0, 0, 0, 0, 1}, {0, 0, 0, 0, 0, 0, 0, 0, 1}, {0, 0, 0, 0, 0, 0, 0, 0, 0}}

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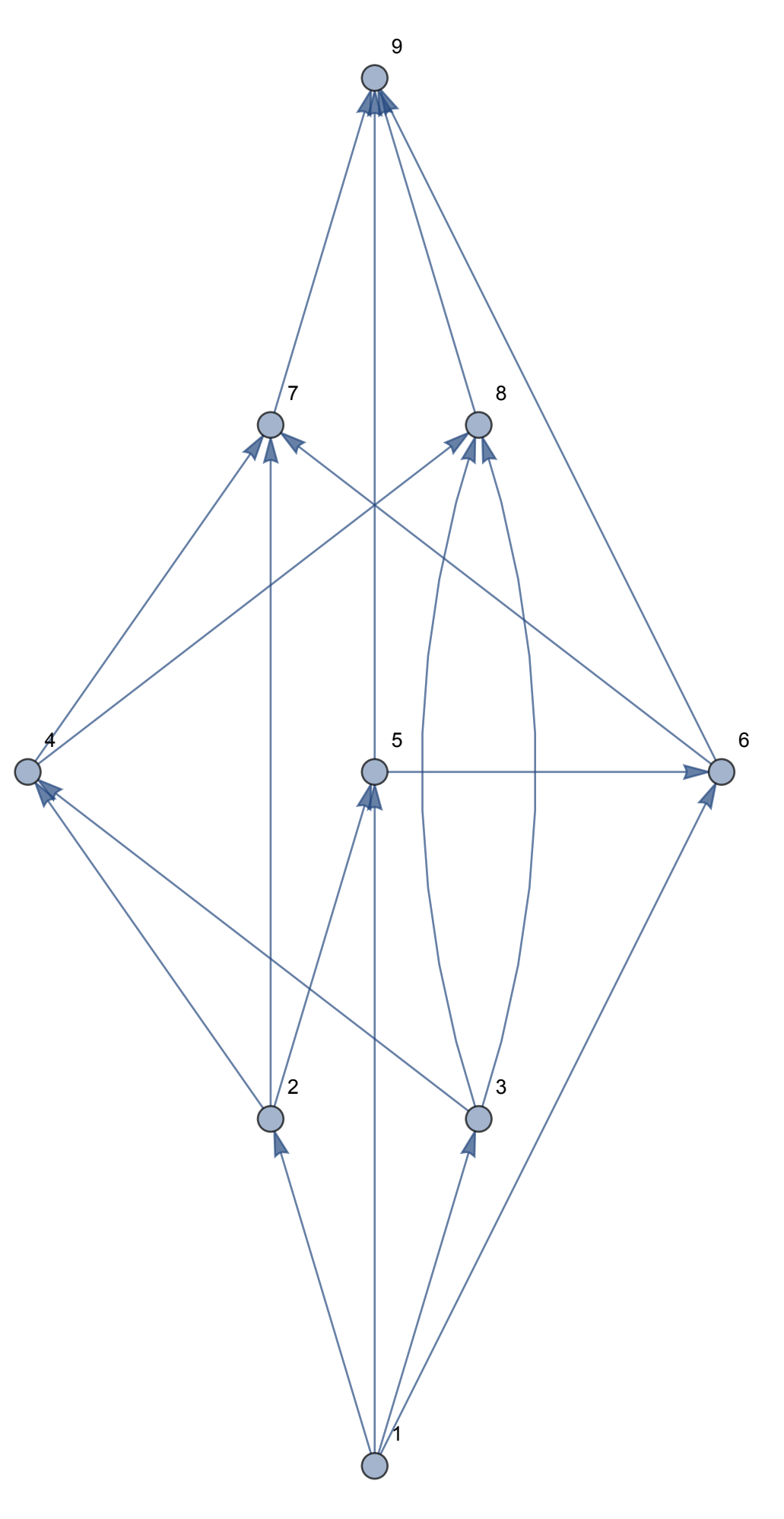
All Possible Isotropy Weights for Multigraph #: 437 938

There are at most 1 solutions:

{{b[1], b[2], b[2], 2 b[2]}, {-b[1], b[2], 2 b[2], -b[1] + b[2]}, {b[1], -b[2], b[2], b[2]}, {-b[1], -b[2], b[2], -b[1] + b[2]}, {b[1] - b[2], -b[2], b[2], 2 b[2]}, {b[1], -2 b[2], -b[2], b[2]}, {-b[1], -2 b[2], -b[2], -b[1] + b[2]}, {b[1] - b[2], -b[2], -b[2], b[2]}, {b[1] - b[2], -2 b[2], -b[2], -b[2]}}



{{0, 1, 1, 0, 1, 1, 0, 0, 0}, {0, 0, 0, 1, 1, 0, 1, 0, 0}, {0, 0, 0, 1, 0, 0, 0, 2, 0}, {0, 0, 0, 0, 0, 0, 1, 1, 0}, {0, 0, 0, 0, 0, 1, 0, 0, 1}, {0, 0, 0, 0, 0, 0, 1, 0, 1}, {0, 0, 0, 0, 0, 0, 0, 0, 1}, {0, 0, 0, 0, 0, 0, 0, 0, 1}, {0, 0, 0, 0, 0, 0, 0, 0, 0}}