

There are no possible isotropy weights for multigraph # 63
 There are no possible isotropy weights for multigraph # 64
 There are no possible isotropy weights for multigraph # 65
 There are no possible isotropy weights for multigraph # 66

All Possible Isotropy Weights for Multigraph #67:

There are at most 2 solutions:

$$\left\{ \left\{ b[1], b[2], -b[1] + 2b[2], -2b[1] + 3b[2] \right\}, \left\{ -b[1], -b[1] + b[2], -b[1] + 2b[2], -b[1] + 3b[2] \right\}, \left\{ b[1] - 3b[2], -b[2], -b[1] + b[2], -2b[1] + 3b[2] \right\}, \right. \\ \left. \left\{ 2b[1] - 3b[2], b[1] - b[2], b[2], -b[1] + 3b[2] \right\}, \left\{ b[1], b[1] - 3b[2], b[1] - 2b[2], b[1] - b[2] \right\}, \left\{ -b[1], 2b[1] - 3b[2], b[1] - 2b[2], -b[2] \right\} \right\}$$

$$c1^4 = 288$$

$$c1^2c2 = 168$$

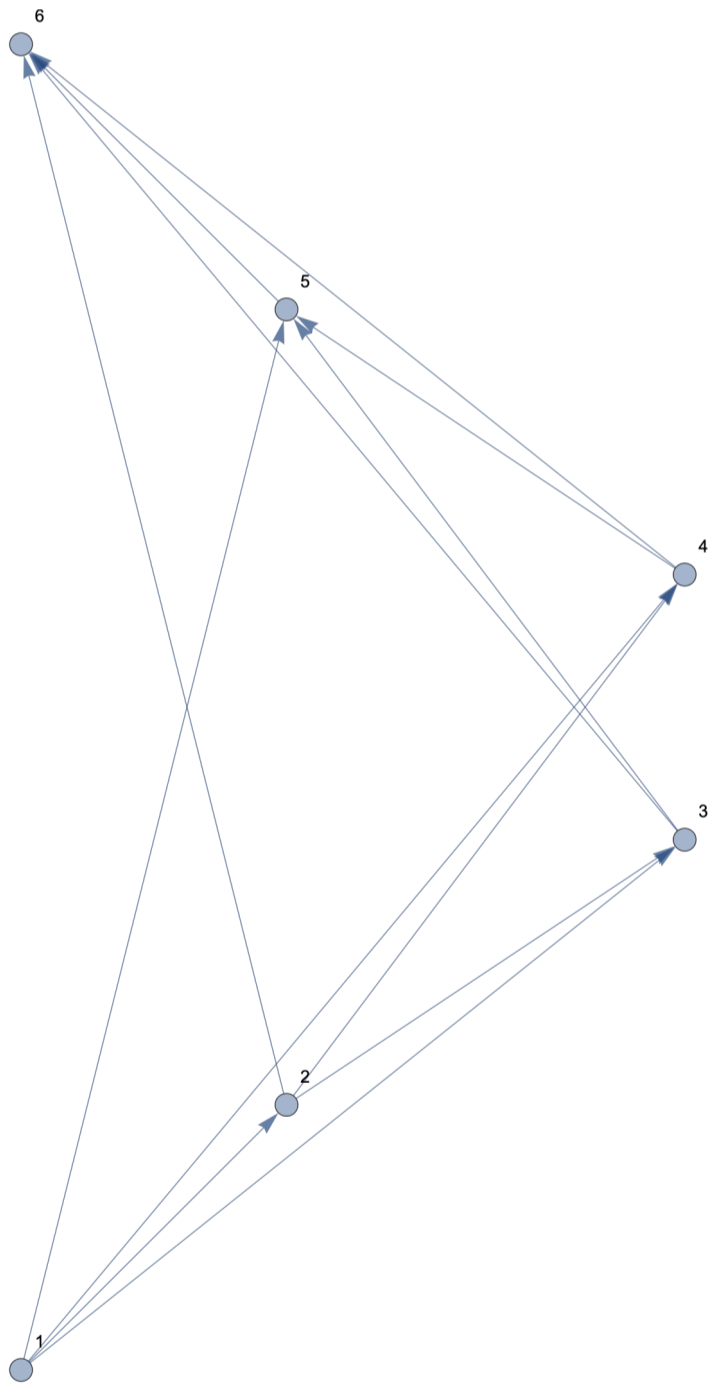
$$c2^2 = 98$$

$$\left\{ \left\{ b[1], \frac{2b[1] + b[2]}{3}, \frac{b[1] + 2b[2]}{3}, b[2] \right\}, \left\{ -b[1], -\frac{b[1] + b[2]}{3}, \frac{b[1] + 2b[2]}{3}, b[1] + b[2] \right\}, \left\{ \frac{b[1] - b[2]}{3}, \frac{2b[1] + b[2]}{3}, -b[2], b[1] + b[2] \right\}, \right. \\ \left. \left\{ -b[1] - b[2], -\frac{2b[1] - b[2]}{3}, -\frac{b[1] + b[2]}{3}, b[2] \right\}, \left\{ b[1], -b[1] - b[2], -\frac{b[1] - 2b[2]}{3}, \frac{b[1] - b[2]}{3} \right\}, \left\{ -b[1], -\frac{b[1] - 2b[2]}{3}, -\frac{2b[1] - b[2]}{3}, -b[2] \right\} \right\}$$

$$c1^4 = 288$$

$$c1^2c2 = 168$$

$$c2^2 = 98$$



There are no possible isotropy weights for multigraph # 68
 There are no possible isotropy weights for multigraph # 69
 There are no possible isotropy weights for multigraph # 70
 There are no possible isotropy weights for multigraph # 71
 There are no possible isotropy weights for multigraph # 72
 There are no possible isotropy weights for multigraph # 73
 There are no possible isotropy weights for multigraph # 74

All Possible Isotropy Weights for Multigraph #75:

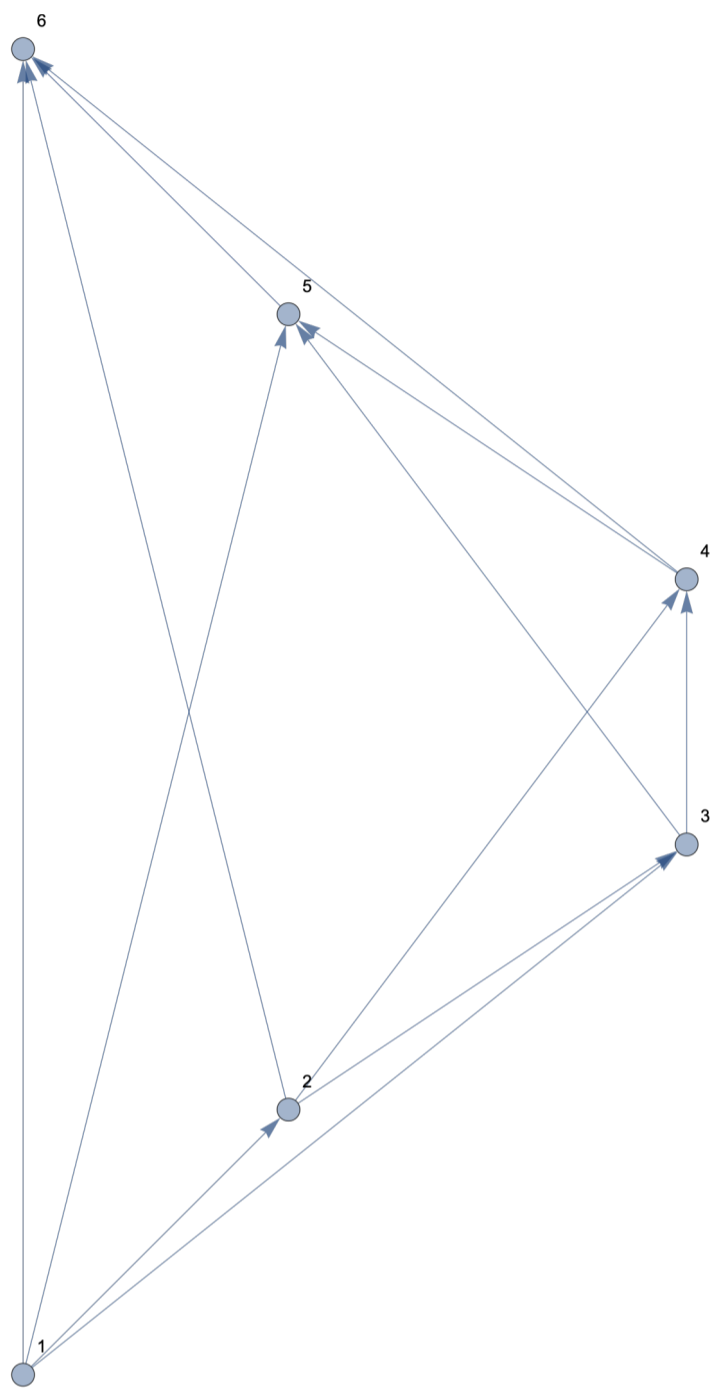
There are at most 1 solutions:

{{1, 2, 3, 4}, {-1, 1, 3, 5}, {-4, -1, 2, 5}, {-5, -2, 1, 4}, {-5, -3, -1, 1}, {-4, -3, -2, -1}}

$c1^4 = 288$

$c1^2c2 = 168$

$c2^2 = 98$



There are no possible isotropy weights for multigraph # 76

There are no possible isotropy weights for multigraph # 77

There are no possible isotropy weights for multigraph # 78