\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

## Conclusion:

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

There are no possible isotropy weights for multigraph  $\sharp$  1 There are no possible isotropy weights for multigraph  $\mbox{\em 2}$ There are no possible isotropy weights for multigraph  $\ensuremath{\pm}$  3 There are no possible isotropy weights for multigraph  $\ensuremath{\boldsymbol{\Xi}}$  4 There are no possible isotropy weights for multigraph  $\mbox{\em 5}$ There are no possible isotropy weights for multigraph  $<math>\sharp$  6 There are no possible isotropy weights for multigraph  $<math>\sharp$  7 There are no possible isotropy weights for multigraph  $<math>\pm$  8 There are no possible isotropy weights for multigraph  $<math>\sharp$  9 There are no possible isotropy weights for multigraph  $<math>\pm$  10 There are no possible isotropy weights for multigraph  $\mbox{\em 11}$ There are no possible isotropy weights for multigraph  $\mbox{\em 12}$ There are no possible isotropy weights for multigraph # 13 There are no possible isotropy weights for multigraph  $\mbox{\em 14}$ There are no possible isotropy weights for multigraph  $\mbox{\em 15}$ There are no possible isotropy weights for multigraph  $\mbox{\em 16}$ There are no possible isotropy weights for multigraph  $\mbox{\em 17}$ There are no possible isotropy weights for multigraph  $\mbox{\em 18}$ There are no possible isotropy weights for multigraph # 19 There are no possible isotropy weights for multigraph # 20 There are no possible isotropy weights for multigraph  $<math>\pm$  21 There are no possible isotropy weights for multigraph  $<math>\pm$  22 There are no possible isotropy weights for multigraph  $<math>\pm$  23 There are no possible isotropy weights for multigraph  $\mbox{\em \pm }$  24 There are no possible isotropy weights for multigraph  $\mbox{\em {\tt \#}}$  25 There are no possible isotropy weights for multigraph # 26 There are no possible isotropy weights for multigraph  $\mbox{\em {\tt \#}}$  27 There are no possible isotropy weights for multigraph  $\mbox{\em \pm }28$ There are no possible isotropy weights for multigraph  $\mbox{\em \pm 29}$ There are no possible isotropy weights for multigraph  $\mbox{\em {\tt \#}}$  30 There are no possible isotropy weights for multigraph  $\mbox{\em 31}$ There are no possible isotropy weights for multigraph  $<math>\pm$  32 There are no possible isotropy weights for multigraph # 33 There are no possible isotropy weights for multigraph # 34 There are no possible isotropy weights for multigraph  $<math>\pm$  35 There are no possible isotropy weights for multigraph  $<math>\pm$  36 There are no possible isotropy weights for multigraph # 37 There are no possible isotropy weights for multigraph # 38 There are no possible isotropy weights for multigraph # 39 There are no possible isotropy weights for multigraph  $<math>\pm$  40 There are no possible isotropy weights for multigraph  $\mbox{\em \pm 41}$ There are no possible isotropy weights for multigraph # 42 There are no possible isotropy weights for multigraph  $<math>\pm$  43 There are no possible isotropy weights for multigraph  $<math>\sharp$  44 There are no possible isotropy weights for multigraph  $\mbox{\em \pm 45}$ There are no possible isotropy weights for multigraph  ${\scriptstyle \sharp\sharp}$  46 There are no possible isotropy weights for multigraph  ${\scriptstyle \pm}$  47 There are no possible isotropy weights for multigraph  $<math>\pm$  48 There are no possible isotropy weights for multigraph  $<math>\pm$  49 There are no possible isotropy weights for multigraph  $\pm$  50 There are no possible isotropy weights for multigraph  $\mbox{\em \sharp}$  51 There are no possible isotropy weights for multigraph  $<math>\pm$  52 There are no possible isotropy weights for multigraph  $<math>\pm$  53 There are no possible isotropy weights for multigraph  $\pm$  54 There are no possible isotropy weights for multigraph  ${\scriptstyle \pm}$  55 There are no possible isotropy weights for multigraph  $\mbox{\em 56}$ There are no possible isotropy weights for multigraph  $<math>\pm$  57 There are no possible isotropy weights for multigraph  $\mbox{\em \pm 58}$ There are no possible isotropy weights for multigraph  $\pm$  59 There are no possible isotropy weights for multigraph  $<math>\pm$  60 There are no possible isotropy weights for multigraph  $<math>\pm$  61 There are no possible isotropy weights for multigraph  $<math>\pm$  62 There are no possible isotropy weights for multigraph  $\pm$  63 There are no possible isotropy weights for multigraph  $\mbox{\em \pm 64}$ There are no possible isotropy weights for multigraph  $<math>\pm$  65

There are no possible isotropy weights for multigraph  $<math>\pm$  66

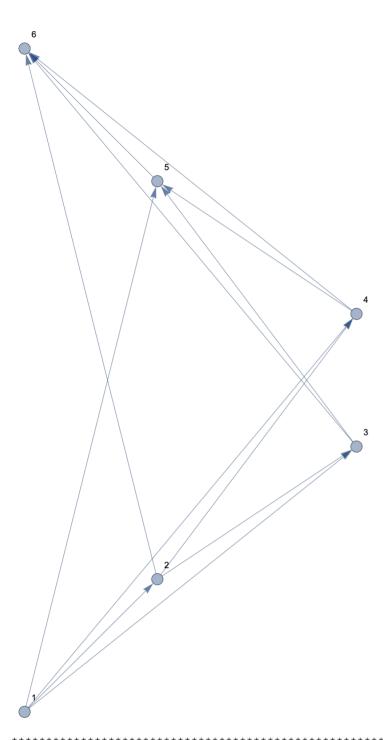
\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

All Possible Isotropy Weights for Multigraph  $\sharp 67$ :

There are at most 1 solutions:

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

c1^4= 512 c1^2c2= 224 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
There are no possible isotropy weights for multigraph # 75
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 # 77
There are no possible isotropy weights for multigraph # 78