



Directed graph

```
graph TD; 0((0)) --> 2((2)); 1((1)) --> 2((2)); 1((1)) --> 0((0));
```

Q

0.41	0.41	-0.82
-0.71	0.71	0

Visualising Q

Symmetrised graph

```
graph TD; 0((0)) --> 2((2)); 1((1)) --> 2((2)); 1((1)) --> 0((0));
```

Pairwise dot products

0.67	-0.33	-0.33
-0.33	0.67	-0.33
-0.33	-0.33	0.67

\tilde{L}

1.5	0.29
-0.87	0.5

Σ

0.33	0
0	1

X

1.1	-0.89	-0.22
-0.89	1.1	-0.22
-0.22	-0.22	0.44

\hat{L}_U

0.5	0	-0.5
0	0.5	-0.5
-0.5	-0.5	1

Directed graph

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Q

0.82	-0.41	-0.41
0	0.71	-0.71

Visualising Q

Symmetrised graph

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graph TD; 0((0)) --> 2((2)); 1((1)) --> 2((2)); 1((1)) --> 0((0));
```

Pairwise dot products

0.67	-0.33	-0.33
-0.33	0.67	-0.33
-0.33	-0.33	0.67

\tilde{L}

2	-0.58
0	1

Σ

0.28	0.096
0.096	0.5

X

0.37	-0.074	-0.3
-0.074	0.48	-0.41
-0.3	-0.41	0.7

\hat{L}_U

1.3	-0.86	-0.43
-0.86	1.1	-0.21
-0.43	-0.21	0.64

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Q

-0.82	0.41	0.41
0	-0.71	0.71

Visualising Q

Symmetrised graph

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graph TD; 0((0)) --> 2((2)); 1((1)) --> 2((2)); 1((1)) --> 0((0));
```

Pairwise dot products

0.67	-0.33	-0.33
-0.33	0.67	-0.33
-0.33	-0.33	0.67

\tilde{L}

1.5	-0.87
0.87	1.5

Σ

0.33	0
0	0.33

X

0.44	-0.22	-0.22
-0.22	0.44	-0.22
-0.22	-0.22	0.44

\hat{L}_U

1	-0.5	-0.5
-0.5	1	-0.5
-0.5	-0.5	1

Directed graph

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Q

-0.41	-0.41	0.82
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Visualising Q

Symmetrised graph

```
graph TD; 0((0)) --> 2((2)); 1((1)) --> 2((2)); 1((1)) --> 0((0));
```

Pairwise dot products

0.17	0.17	-0.33
0.17	0.17	-0.33
-0.33	-0.33	0.67

\tilde{L}

2

Σ

0.25

X

0.083	0.083	-0.17
0.083	0.083	-0.17
-0.17	-0.17	0.33

\hat{L}_U

0.33	0.33	-0.67
0.33	0.33	-0.67
-0.67	-0.67	1.3