Figure-eight knot: $AABB \longrightarrow AABA$ for $N = 3$

$$
\begin{pmatrix}
0 & 0 & 0 & 0 & 0 & 0 & \frac{3551843673866794933324150433126969455}{258639549154884} & \frac{4379234353556229657461050511115691712}{64659887288721} & \frac{2306183642487761919199837574670030697}{129319774577442} & 0 \\
0 & 0 & 0 & 0 & 0 & 0 & -\frac{1559763740023579283418775464760824389}{258639549154884} & -\frac{1952335930876766903563795511594840806}{64659887288721} & -\frac{1024918558774670845530915312004687747}{129319774577442} & 0 \\
0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{1863713544596175325984242950}{19397966186616} \\
0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\
0 & 0 & 0 & -\frac{21109661209391}{21553295762907} & \frac{21109661209391}{21553295762907} & 0 & 0 & 0 & 0 & 0 \\
0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\
0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\
0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\
0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{354691085558132334915634593}{19397966186616} \\
0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\
0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\
0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\
0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\
0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\
0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\
0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\
0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0
\end{pmatrix}
$$

Concentrated in $\mathbb{Z}_2$-degree 1.

Weights of source: $(20, 18, 18, 16, 16, 16, 14, 14, 14, 16, 14, 18, 18, 16, 12, 16, 12, 14, 14, 16, 10, 14, 12, 22, 12, 20, 20, 20, 18, 18, 18, 18, 16, 16, 16, 14)$.

Weights of target: $(15, 15, 17, 19, 17, 15, 21, 19, 17, 19, 15, 17, 13, 17, 13, 15, 11, 13)$.