$$
\begin{aligned}
p0 &= \begin{bmatrix} V_{v0,1} & V_{v0,2} & V_{v0,3} \end{bmatrix} \\
p1 &= \begin{bmatrix} V_{v1,1} & V_{v1,2} & V_{v1,3} \end{bmatrix} \\
p2 &= \begin{bmatrix} V_{v2,1} & V_{v2,2} & V_{v2,3} \end{bmatrix} \\
x0s &= \|p0\|_F^2 \\
Mi &= \begin{bmatrix} 2\,(p1 - p0) \\ 2\,(p2 - p0) \\ n^T \end{bmatrix}^{-1} \\
m &= Mi\left(\|p1\|_F^2 - x0s, \|p2\|_F^2 - x0s, p0 \cdot n\right)
\end{aligned}
$$

where

$$
\begin{aligned}
v0 &\in \mathbb{Z}\ index \\
v1 &\in \mathbb{Z}\ index \\
v2 &\in \mathbb{Z}\ index \\
V_i &\in \mathbb{R}^3 \\
n &\in \mathbb{R}^3
\end{aligned}
$$