$$egin{aligned} l &= \left(\|b-c\|_2^2, \|a-c\|_2^2, \|a-b\|_2^2
ight) \ ba &= \left(l_1 \left(l_2+l_3-l_1
ight), l_2 \left(l_3+l_1-l_2
ight), l_3 \left(l_1+l_2-l_3
ight)
ight) \ cc &= rac{1}{ba_1+ba_2+ba_3} \left(ba_1a+ba_2b+ba_3c
ight) \end{aligned}$$

where

$$a \in \mathbb{R}^3$$

$$b \in \mathbb{R}^3$$

$$c \in \mathbb{R}^3$$