$Lop = LLKp + MM$ $\quad Lsp = \frac{1}{\frac{1}{LLKs} + \frac{1}{MM}} + LLKp$ ...The origins...

$Los = \frac{LLKs}{NN} + \frac{MM}{NN}$ $\quad Lss = \frac{1}{\frac{1}{\frac{LLKp}{NN}} + \frac{1}{\frac{MM}{NN}}} + \frac{LLKs}{NN}$ 4 equations with 4 unknowns

...trying a solution analytically...

$Lop = LLKp + MM \xrightarrow{solve,\,MM} Lop - LLKp$ $\quad MM = Lop - LLKp$ extracting $MM$ from $Lop$

$Lsp = \frac{1}{\frac{1}{LLKs} + \frac{1}{MM}} + LLKp$ $\quad Lsp = LLKp + \frac{1}{\frac{1}{LLKs} + \frac{1}{Lop - LLKp}}$ setting $MM$ in the equation $Lsp$

$Los = \frac{LLKs}{NN} + \frac{MM}{NN}$ $\quad Los = \frac{LLKs}{NN} + \frac{Lop - LLKp}{NN}$ setting $MM$ in the equation $Los$

$Lss = \frac{1}{\frac{1}{\frac{LLKp}{NN}} + \frac{1}{\frac{MM}{NN}}} + \frac{LLKs}{NN}$ $\quad Lss = \frac{LLKs}{NN} + \frac{1}{\frac{NN}{LLKp} + \frac{NN}{Lop - LLKp}}$ setting $MM$ in the equation $Lss$

3 equations with 3 unknowns

$NN = \frac{Lop - LLKp + LLKs}{Los}$ extracting $NN$ from $Los$

$Lsp = LLKp + \frac{1}{\frac{1}{LLKs} + \frac{1}{Lop - LLKp}}$ $\quad Lsp = LLKp + \frac{1}{\frac{1}{LLKs} + \frac{1}{Lop - LLKp}}$ $(I)$ setting $NN$ in the equation $Lsp$

$Lss = \frac{LLKs}{NN} + \frac{1}{\frac{NN}{LLKp} + \frac{NN}{Lop - LLKp}}$ $\quad Lss = \frac{Los \cdot \left(-LLKp^2 + Lop \cdot LLKp + Lop \cdot LLKs\right)}{Lop \cdot \left(Lop - LLKp + LLKs\right)}$ $(II)$ setting $NN$ in the equation $Lss$

2 equations with 2 unknowns

now we get two solutions from equation $(I)$ for $LLKp$:

$LLKp_1 = \frac{Lop}{2} + \frac{Lsp}{2} + \frac{\sqrt{\left(Lop - Lsp\right) \cdot \left(Lop - Lsp + 4 \cdot LLKs\right)}}{2}$ $\quad LLKp_2 = \frac{Lop}{2} + \frac{Lsp}{2} - \frac{\sqrt{\left(Lop - Lsp\right) \cdot \left(Lop - Lsp + 4 \cdot LLKs\right)}}{2}$

$LLKp_1$ setting into $Lss$ (equation $(II)$) to get $LLKs$

$Lss = \frac{Los \cdot \left(-LLKp_1{}^2 + Lop \cdot LLKp_1 + Lop \cdot LLKs\right)}{Lop \cdot \left(Lop - LLKp_1 + LLKs\right)}$ $\quad Lss = \frac{Lsp \cdot Los}{Lop}$ This is no solution.

$LLKp_2$ setting into $Lss$ (equation $(II)$) to get $LLKs$

$Lss = \frac{Los \cdot \left(-LLKp_2{}^2 + Lop \cdot LLKp_2 + Lop \cdot LLKs\right)}{Lop \cdot \left(Lop - LLKp_2 + LLKs\right)}$ $\quad Lss = \frac{Lsp \cdot Los}{Lop}$ This is no solution too. quod erat demonstrandum

we need an appropriate equation-System!