

$$r_1^N = \sum_{k=1}^{N-1} \sum_{l=1}^k \left(\frac{1}{r_l^N} \right) \prod_{m=l+1}^k \left(\frac{r_m}{r_l^N} \right)$$

Increases

Decreases

The diagram illustrates the sensitivity of the formula to changes in the variables r_l^N and r_m . An upward arrow points to the term $\frac{1}{r_l^N}$, indicating that the overall value increases as r_l^N decreases. Two downward arrows point to the terms r_l^N and $\frac{r_m}{r_l^N}$, indicating that the overall value decreases as these terms increase.