



$$\lim_{x \leftarrow p} \int_{\mathcal{F}} \mathcal{L}_s(x) \delta(x)$$

such that each integral can be evaluated for each of the N family members. By thinking of the nature of the function \mathcal{L} we realize there exists a singularity with respect to x which results in a rapid divergence at distance d . That is, for each family member, love goes to infinity at any distance.

$$\int_{\mathcal{F}} \mathcal{L}_s(x) \delta(x) = \sum_N \int_{f_i} \mathcal{L}_s(x) \delta(x)$$

First, we write down the integral of the function with correct limits and notice that we can split the integral into components where

Solution 1: Indefinite Limits

Question 1: Indefinite Limits

Let s be a student of age 23 years living a distance d from his family, a set \mathcal{F} with N members, f_i . Let $\mathcal{L}_s(x)$ be a function of the magnitude of love, l , the student s has for his family that takes a distance argument, x . Compute the limit of the student's love as a function using the distance measure $\delta(x)$, that is

$$\lim_{x \rightarrow d} \int_{\mathcal{F}} \mathcal{L}_s(x) \delta(x)$$



merry christmas ♡