

Example:

10/26/23

$$V = \frac{K_{50} - K_{84.1}}{K_{50}} = \frac{475 - 362}{475}$$
$$= \underline{\underline{0.24}}$$

$$K = 533.34 e^{-0.358x}$$

$$K_{50} = 533.34 e^0 = 533.34$$

$$K_{84.1} = 533.34 e^{-0.358(1)} = 372.84$$

$$V = \frac{K_{50} - K_{84.1}}{K_{50}} = 0.3$$

Example:

$$y = 3.5x^5 - 9.3x^4 + 9.9x^3 - 6.5x^2 + 3.4x$$

$$\int_0^1 y dx = \left| \frac{3.5}{6}x^6 - \frac{9.3}{5}x^5 + \frac{9.9}{4}x^4 - 6.5 \frac{x^3}{3} + \frac{3.4}{2}x^2 \right|_0^1$$

$$= 0.74$$

$$LC = \frac{0.74 - 0.5}{0.5} = \underline{\underline{0.48}}$$