$$P(z) = Y_0 + M(e^{kt} - 1) + o \int e^{kt} du_k$$

$$V(z) = e^{-kz} Y_0 + M(1 - e^{-kz}) + o \int e^{k(t-t)} du_k$$

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$$V(z) = E(z) + o \int e^{k(t-t)} du_k = Z$$

$$V(z) = E(z) - o \int e^{k(z-t)} du_k$$

$$V(z) = e^{-kz} \int e^{-2k(t-z)} dt$$

$$| V^{z} | = \exp \left\{ e^{-kz} Y_{0} + u - u e^{-kz} \right\}$$

$$| \ln \beta \left\{ e^{-kz} Y_{0} + u - u e^{-kz} \right\}$$

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Now 
$$V^{\pm} = V^{\infty} enp \left\{ e^{-kz} \times -\frac{o^{2}}{4k} e^{-2kz} \right\}$$

$$VIX = V^{0} = V^{\infty} enp \left\{ X - \frac{o^{2}}{4k} \right\}$$

$$= \ln V^{\infty} + e^{-kz} \times -\frac{o^{2}}{4k} e^{-2kz} \times -\frac{o^{2}}{4k} e^{-2kz} \times -\frac{o^{2}}{4k} e^{-2kz} \times -\frac{o^{2}}{4k} e^{-2kz} + \frac{o^{2}}{4k} e^{-2kz} + \frac{o^{2}}{4$$