

Keff = K, + K2

Aef. e-Ea)er/RT = A, e-Ea), |RT + Az. e-Ea) - |RT

differentiate co. r.t Temperature 'T' Acy. e-texellet (-text) = A. e-textet (-text)
+ Az. e-textet (-text) Kef (Ea)ef = - K, (Ea), - K, (Ea), (Fa)eff - 15, Ea, + 16, Ea,
Keff Early = K, Ea, + K, Ea,
K, + K2 Finding Concentration of (A) & (B) & (C) [A] = Aoe Kellt = Ao.e (K+K)t
First order kinetics

$$\frac{dB}{dt} = K_{1}A_{0} \cdot e^{-(k_{1}+k_{2})t}$$

$$\frac{dB}{dt} = \int_{0}^{\infty} K_{1}A_{0} \cdot e^{-(k_{1}+k_{2})t}$$

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$$\frac{(B)}{dt} = \int_{0}^{\infty} K_{1}A_{0} \cdot e^{-(k_{1}+k_{2})t}$$

$$\frac{(B)}{k_{1}+k_{2}} = \int_{0}^{\infty} K_{1}A_{0}$$

in product = (C) x (00 = K2 x (B)+(C) K1+K2