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## A Note on: Fenyö, A., and Frey, T., Modern Mathematical Methods in Technology, Vol. I, North-Holland Publishing Company, Amsterdam, 1969

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Recently working on a paper on integral equations (1), The authors found that on page 136, the first two expressions (and consequently that follow) are incorrect. As  $\phi(t)$  denotes the production per unit time at the time  $t$ , the correct form of the difference of the production and the loss is

$$\int_0^t \phi(t) dt - \int_0^t k(t-x) \phi(x) dx \quad (1)$$

Consequently, the following expression, i.e. the integral equation related to the production problem should be

$$\int_0^t \phi(t) dt - \int_0^t k(t-x) \phi(x) dx = M k(t) \quad (2)$$

1. Kalla, S.L., Vilorio, L., and Conde, S., "On an Integral Equation Associated with a Production Problem", *Publicaciones Internas N° 2*, División de Post-grado, Facultad de Ingeniería, Universidad del Zulia, 1977.