## (5) ENTROPIA FUNTZIOAREN EXISTENTZIA

$$\delta Q = \lambda \, d\sigma$$

$$\lambda = \phi(t) f(\sigma)$$

$$\delta Q = \phi(t) f(\sigma) \, d\sigma$$

$$\frac{Q'}{Q} = \frac{T'}{T} \rightsquigarrow \frac{\delta Q'}{\delta Q} = \frac{T'}{T} \rightsquigarrow T = k\phi(t)$$

$$\frac{\delta Q}{T} = \frac{1}{k} f(\sigma) \, d\sigma$$

$$dS = \frac{\delta Q_{IG}}{T}$$

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$$S_f - S_i = \int_{IG,\, i}^{f} \frac{\delta Q_{IG}}{T}$$

$$\oint_{IG} \frac{\delta Q}{T} = 0$$

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