$$\int T(x) \cdot \frac{\partial}{\partial \theta} f(x,\theta) dx = M \left(T(\xi) \cdot \frac{\partial}{\partial \theta} \ln L(\xi,\theta) \right)$$

$$\int T(x) \cdot \left(\frac{\partial}{\partial \theta} \ln L(x,\theta) \right) \cdot f(x,\theta) dx = \int T(x) \cdot \left(\frac{\partial}{\partial \theta} \int L(x,\theta) \right) \int \frac{\partial}{\partial \theta} \int L(x,\theta) dx$$

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