$$a, \sigma^2 (51) = \frac{1}{\sqrt{2\pi}} \int_{a, \sigma^2} (\xi_1) d\xi_2$$

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

$$T(x) \cdot \frac{\partial}{\partial \theta} f(x,\theta) dx = M \left( T(\xi) \cdot \frac{\partial}{\partial \theta} \ln L(\xi,\theta) \right) \int_{0}^{\theta} \ln L(\xi,\theta) dx$$