$$\frac{\partial \left( \nabla \left( 1 - \frac{dk}{dk} \right) \right) \int \frac{dk}{dp} k_r \left( \frac{kr_1}{e^{kr_1}} \right)}{dp} = 0$$

$$\frac{\partial \left( (1 - \frac{dk}{dk}) \right) \left( \frac{dk}{dp} \right)^{\frac{dk}{dp}} k_r \left( \frac{kr_1}{e^{kr_1}} \right)}{2 \int k_r \left( \frac{kr_1}{e^{kr_1}} \right)} + \frac{\partial \left( \frac{dk}{dp} \right) \int \frac{dk}{dp} k_r \left( \frac{kr_1}{e^{kr_1}} \right)}{2 \int k_r \left( \frac{e^{kr_1}}{e^{kr_1}} \right)} + \frac{dk}{e^{kr_1} k_r \left( \frac{kr_1}{e^{kr_1}} \right)} = 0$$

$$\frac{\partial \left( \frac{dk}{dp} \right)^{\frac{dk}{dp}} \left( \frac{\left( 1 - \frac{dk}{e^{kr_1}} \right) \left( \frac{e^{kr_1} + kr_1 e^{kr_1}}{2 \int k_r \left( \frac{e^{kr_1}}{e^{kr_1}} \right)} \right)}{2 \int k_r \left( \frac{e^{kr_1}}{e^{kr_1}} \right)} = 2k_r + e^{k_r \left( \frac{kr_1}{e^{kr_1}} \right) - 1}$$

$$\frac{\partial \left( \frac{dk}{dkr_1} \right)^{\frac{dk}{dp}} \left( \frac{dk}{e^{kr_1}} \right) \left( \frac{e^{kr_1}}{2 \int k_r \left( \frac{e^{kr_1}}{e^{kr_1}} \right)} \right)}{2 \int k_r \left( \frac{dk}{e^{kr_1}} \right)} = 2k_r + e^{k_r \left( \frac{kr_1}{e^{kr_1}} \right) - 1}$$

$$\frac{\partial \left( \frac{dk}{dkr_1} \right)^{\frac{dk}{dp}} \left( \frac{dk}{e^{kr_1}} \right)}{2 \int k_r \left( \frac{e^{kr_1}}{e^{kr_1}} \right)} = 2k_r + e^{k_r \left( \frac{kr_1}{e^{kr_1}} \right) - 1}$$

$$\frac{\partial \left( \frac{dk}{dkr_1} \right)^{\frac{dk}{dp}} \left( \frac{dk}{e^{kr_1}} \right)}{2 \int k_r \left( \frac{e^{kr_1}}{e^{kr_1}} \right)} = 2k_r + e^{k_r \left( \frac{kr_1}{e^{kr_1}} \right)} + e^{k_r \left( \frac{kr_1}{e^{kr_1}} \right)}$$

$$\frac{\partial \left( \frac{dk}{e^{kr_1}} \right)^{\frac{dk}{dr_1}} \left( \frac{dk}{e^{kr_1}} \right)^{\frac{dk}{dr_1}} \left( \frac{dk}{e^{kr_1}} \right)}{2 \int k_r \left( \frac{e^{kr_1}}{e^{kr_1}} \right)} = 2k_r + e^{k_r \left( \frac{kr_1}{e^{kr_1}} \right)} + e^{k_r \left( \frac{kr_1}{e^{kr_1}} \right)}$$

$$\frac{\partial \left( \frac{dk}{e^{kr_1}} \right)^{\frac{dk}{dr_1}} \left( \frac{dk}{e^{kr_1}} \right)^{\frac{dk}{dr_1}} \left( \frac{dk}{e^{kr_1}} \right)^{\frac{dk}{dr_1}} \left( \frac{dk}{e^{kr_1}} \right) + e^{k_r \left( \frac{kr_1}{e^{kr_1}} \right)} \right)}{2 \int k_r \left( \frac{dk}{e^{kr_1}} \right)^{\frac{dk}{dr_1}} \left( \frac{dk}{e^{kr_1}} \right)^{\frac{dk}{dr_1}}$$