$$\frac{\Gamma^{X}_{\varkappa + d/r}\Gamma^{X}_{\beta + d/r}}{\Gamma^{X}_{\varkappa + \beta + 2d/r}} \underset{130}{\overset{\text{FK}}{=}} \int\limits_{dx}^{0 \overset{X}{\triangledown} e} {}^{x}\Delta^{\varkappa} \, {}^{e - x}\Delta^{\beta}$$

$$\frac{(2\pi)^{d - r}}{\Gamma^{X}_{d/r}} \frac{\Gamma^{r}_{1 + a/2}}{\Gamma_{1 + ra/2}} \int\limits_{dx_i}^{0 \overset{r}{|} 1} {}^{x}\Phi^{\varkappa} \prod_{i} x_i^{\alpha} \overbrace{1 - x_i}^{\beta} \prod_{i < j} \overset{a}{\overline{x_j - x_i}} = \frac{\Gamma^{X}_{\varkappa + \alpha + d/r}\Gamma^{X}_{\beta + d/r}}{\Gamma^{X}_{\varkappa + \alpha + \beta + 2d/r}}$$

$${}^{x}\Delta^{\alpha} = x_1^{\alpha_1 - \alpha_2} \left(x_1 x_2\right)^{\alpha_3 - \alpha_2} \cdots \left(x_1 x_2 \cdots x_r\right)^{\alpha_r} = \prod_{j} x_i^{\alpha_i}$$

$${}^{e - x}\Delta^{\beta} = \prod_{j} \overbrace{1 - x_i}^{\beta_i}$$

$$\Re = \int\limits_{dx}^{0 \overset{X}{\triangledown} e} {}^{x}\Delta^{\varkappa + \alpha} \, {}^{e - x}\Delta^{\beta} = \int\limits_{dx}^{0 \overset{X}{\triangledown} e} {}^{x}\Delta^{\varkappa} \, {}^{x}\Delta^{\alpha} \, {}^{e - x}\Delta^{\beta} = \int\limits_{dx}^{0 \overset{X}{\triangledown} e} \int\limits_{dh}^{K \cap L} {}^{xh}\Delta^{\varkappa} \, {}^{x}\Delta^{\alpha} \, {}^{e - x}\Delta^{\beta} \underset{228}{\overset{\text{FK}}{=}} \int\limits_{dx}^{0 \overset{X}{\triangledown} e} {}^{x}\Phi^{\varkappa} \, {}^{x}\Delta^{\alpha} \, {}^{e - x}\Delta^{\beta} = \mathcal{L}$$

$$\int\limits_{dx}^{0 \overset{r}{|} 1} H \overset{z}{\underset{\varkappa}{\urcorner}} \bar{G} \prod_{j} x_j^{t} \overbrace{1 - x_j}^{s} \prod_{i < j} \overset{a}{\overline{x_i - x_j}} = \frac{\Gamma^{X}_{\varkappa + d/r}\Gamma^{X}_{s + d/r}}{\Gamma^{X}_{\varkappa + t + s + 2d/r}}$$