## Вычисление производных.

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Заметим, что
  dy_1y_2 = \frac{(c_{22}c_{13} - c_{12}c_{23})(c_{11}c_{23} - c_{21}c_{13})}{d} = \frac{c_{22}c_{13}c_{11}c_{23} + c_{12}c_{23}c_{21}c_{13}}{d} = c_{13}c_{23},
  dc_{31}y_1c_{32}y_2 = -c_{31}c_{32}dy_1y_2 = -c_{31}c_{32}c_{13}c_{23} = c_{31}c_{13}c_{32}c_{23},
c_{13}(c_{31}y_1 + c_{32}y_2) = \frac{c_{13}c_{31}(c_{22}c_{13} - c_{12}c_{23}) + c_{13}c_{32}(c_{11}c_{23} - c_{21}c_{13})}{d} = \frac{-c_{13}c_{23}(c_{32}c_{11} - c_{31}c_{12})}{d} = \frac{c_{13}c_{23}(c_{32}c_{11} - c_{31}c_{12})}{d} = \frac{c_{13}c_{23}(c_{23}c_{11} - c_{21}c_{12})}{d} = \frac{c_{13}c_{23}(c_{23}c_{11} - c_{21}c_{12})}{d} = \frac{c_{13}c_{23}(c_{23}c_{12} - c_{21}c_{12})}{d} = \frac{c_{13}c_{23}(c
  c_{11}c_{32}y_2y_1 + c_{12}c_{31}y_1y_2,
c_{11}y_1 + c_{12}y_2 = \frac{c_{11}(c_{22}c_{13} - c_{12}c_{23}) + c_{12}(c_{11}c_{23} - c_{21}c_{13})}{d} = \frac{c_{11}c_{22}c_{13} - c_{12}c_{21}c_{13}}{d} = c_{13}.
                                   d^{12D} = c_{12}c_{22} - c_{12}c_{22} = 0,
                                   d^{13D} = c_{13}c_{22} - c_{12}c_{23} = dy_1,
                                     d^{23D} = c_{11}c_{23} - c_{13}c_{21} = dy_2,
                                   d^{21D} = c_{11}c_{21} - c_{11}c_{21} = 0,
                                     d^{31D} = d^{32D} = 0,
                                     (dy_1)^{12D} = (dy_1)^{13D} = 0,
                                      (dy_1)^{23D} = -c_{23}c_{13} + c_{13}c_{23} = 2c_{13}c_{23},
                                      (dy_1)^{21D} = c_{21}c_{13} - c_{11}c_{23} = -dy_2,
                                     (dy_1)^{31D} = c_{22}c_{11} - c_{12}c_{21} = d,
                                     (dy_1)^{32D} = c_{22}c_{12} - c_{12}c_{22} = 0,
                                   (dy_2)^{12D} = c_{12}c_{23} - c_{22}c_{13} = -dy_1,
                                      (dy_2)^{13D} = -c_{13}c_{23} + c_{23}c_{13} = -2c_{13}c_{23},
                                     (dy_2)^{23D} = (dy_2)^{21D} = 0,
                                     (dy_2)^{31D} = c_{11}c_{21} - c_{21}c_{11} = 0,
                                     (dy_2)^{32D} = c_{11}c_{22} - c_{21}c_{12} = d.
                                     Предположим, что \lambda_2 > 0. Тогда
\begin{aligned} &v_i = d^{\lambda_2 - 1} c_{11}^{\lambda_1 - \lambda_2 - i} c_{12}^i (c_{33}^{\lambda_3} d - \lambda_3 c_{33}^{\lambda_3 - 1} (c_{31} dy_1 + c_{32} dy_2) + \lambda_3 (\lambda_3 - 1) c_{33}^{\lambda_3 - 2} c_{31} c_{13} c_{32} c_{23}) \\ &w_i = d^{\lambda_2 - 1} c_{11}^{\lambda_1 - \lambda_2 - i} c_{12}^i (c_{33}^{\lambda_3} dy_1 - \lambda_3 c_{33}^{\lambda_3 - 1} c_{32} c_{23} c_{13}) \\ &u_i = d^{\lambda_2 - 1} c_{11}^{\lambda_1 - \lambda_2 - i} c_{12}^i (c_{33}^{\lambda_3} dy_2 - \lambda_3 c_{33}^{\lambda_3 - 1} c_{31} c_{13} c_{23}) \\ &r_i = d^{\lambda_2 - 1} c_{11}^{\lambda_1 - \lambda_2 - i} c_{12}^i c_{33}^{\lambda_3} c_{13} c_{23} \end{aligned}
  v_i^{12D} = d^{\lambda_2 - 1} c_{11}^{\lambda_1 - \lambda_2 - i} c_{12}^i (-\lambda_3 c_{33}^{\lambda_3 - 1} (c_{32} dy_1 + c_{32} (-y_1 d)) + \lambda_3 (\lambda_3 - 1) c_{33}^{\lambda_3 - 2} c_{32} c_{13} c_{32} c_{23}) + d^{\lambda_2 - 1} (\lambda_1 - \lambda_2 - i) c_{11}^{\lambda_1 - \lambda_2 - (i+1)} c_{12}^{i+1} (c_{33}^{\lambda_3} d - \lambda_3 c_{33}^{\lambda_3 - 1} (c_{31} dy_1 + c_{32} dy_2) + \lambda_3 (\lambda_3 - 1) c_{33}^{\lambda_3 - 2} c_{32} c_{13} c_{32} c_{23}) + d^{\lambda_2 - 1} (\lambda_1 - \lambda_2 - i) c_{11}^{\lambda_1 - \lambda_2 - (i+1)} c_{12}^{i+1} (c_{33}^{\lambda_3} d - \lambda_3 c_{33}^{\lambda_3 - 1} (c_{31} dy_1 + c_{32} dy_2) + \lambda_3 (\lambda_3 - 1) c_{33}^{\lambda_3 - 2} c_{32} c_{13} c_{32} c_{23}) + d^{\lambda_2 - 1} (\lambda_1 - \lambda_2 - i) c_{11}^{\lambda_1 - \lambda_2 - (i+1)} c_{12}^{i+1} (c_{33}^{\lambda_3} d - \lambda_3 c_{33}^{\lambda_3 - 1} (c_{31} dy_1 + c_{32} dy_2) + \lambda_3 (\lambda_3 - 1) c_{33}^{\lambda_3 - 2} c_{32} c_{13} c_{32} c_{23}) + d^{\lambda_2 - 1} (\lambda_1 - \lambda_2 - i) c_{11}^{\lambda_1 - \lambda_2 - (i+1)} c_{12}^{i+1} (c_{33}^{\lambda_3} d - \lambda_3 c_{33}^{\lambda_3 - 1} (c_{31} dy_1 + c_{32} dy_2) + \lambda_3 (\lambda_3 - 1) c_{33}^{\lambda_3 - 2} c_{32} c_{13} c_{32} c_{23}) + d^{\lambda_2 - 1} (\lambda_1 - \lambda_2 - i) c_{11}^{\lambda_1 - \lambda_2 - (i+1)} c_{12}^{i+1} (c_{33}^{\lambda_3} d - \lambda_3 c_{33}^{\lambda_3 - 1} (c_{31} dy_1 + c_{32} dy_2) + \lambda_3 (\lambda_3 - 1) c_{12}^{\lambda_3 - 1} (c_{32}^{\lambda_3 - 1} (c_{32}^{\lambda_3 - 1} c_{33}^{\lambda_3 - 1} (c_{32}^{\lambda_3 - 1} c_{32}^{\lambda_3 - 1} c_{33}^{\lambda_3 - 1} c
  1)c_{33}^{\lambda_3-2}c_{31}c_{13}c_{32}c_{23}) = (\lambda_1 - \lambda_2 - i)v_{i+1}
  v_i^{13D} = d^{\lambda_2 - 1} c_{11}^{\lambda_1 - \lambda_2 - i} c_{12}^i (c_{33}^{\lambda_3} y_1 d - \lambda_3 c_{33}^{\lambda_3 - 1} (-c_{33} dy_1 - 2c_{32} c_{13} c_{23}) - \lambda_3 (\lambda_3 - 1) c_{33}^{\lambda_3 - 2} c_{33} c_{13} c_{32} c_{23}) + (\lambda_1 - \lambda_2 - i) d^{\lambda_2 - 1} c_{11}^{\lambda_1 - \lambda_2 - i - 1} c_{13} c_{12}^i (c_{33}^{\lambda_3} d - \lambda_3 c_{33}^{\lambda_3 - 1} (c_{31} dy_1 + 1) c_{13}^{\lambda_3 - 2} c_{13} c_{13} c_{12}^{\lambda_3 - 2} (c_{33}^{\lambda_3 - 1} c_{33}^{\lambda_3 - 1}
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$$c_{32}dy_2) + \lambda_3(\lambda_3 - 1)c_{33}^{\lambda_3 - 2}c_{31}c_{13}c_{32}c_{23}) + (\lambda_2 - 1)d^{\lambda_2 - 1}y_1c_{11}^{\lambda_1 - \lambda_2 - i}c_{12}^i(c_{33}^{\lambda_3}d - \lambda_3c_{33}^{\lambda_3 - 1}(c_{31}dy_1 + c_{32}dy_2) + \lambda_3(\lambda_3 - 1)c_{33}^{\lambda_3 - 2}c_{31}c_{13}c_{32}c_{23}) = (*)$$

$$d^{\lambda_2-1}c_{11}^{\lambda_1-\lambda_2-i}c_{12}^i(c_{33}^{\lambda_3}y_1d-\lambda_3c_{33}^{\lambda_3-1}(-c_{33}dy_1-2c_{32}c_{13}c_{23})-\lambda_3(\lambda_3-1)c_{33}^{\lambda_3-2}c_{33}c_{13}c_{32}c_{23})=\\d^{\lambda_2-1}c_{11}^{\lambda_1-\lambda_2-i}c_{12}^i(c_{33}^{\lambda_3}y_1d+\lambda_3c_{33}^{\lambda_3}dy_1+2\lambda_3c_{33}^{\lambda_3-1}c_{32}c_{13}c_{23}+\lambda_3(\lambda_3-1)c_{33}^{\lambda_3-1}c_{32}c_{13}c_{23})=\\d^{\lambda_2-1}c_{11}^{\lambda_1-\lambda_2-i}c_{12}^i((\lambda_3+1)c_{33}^{\lambda_3}y_1d-(\lambda_3+1)\lambda_3c_{33}^{\lambda_3-1}c_{32}c_{23}c_{13})=(\lambda_3+1)w_i$$

$$(\lambda_2-1)d^{\lambda_2-1}y_1c_{11}^{\lambda_1-\lambda_2-i}c_{12}^i(c_{33}^{\lambda_3}d-\lambda_3c_{33}^{\lambda_3-1}(c_{31}dy_1+c_{32}dy_2)+\lambda_3(\lambda_3-1)c_{33}^{\lambda_3-2}c_{31}c_{13}c_{32}c_{23})=(\lambda_2-1)w_i$$

$$\begin{array}{l} (\lambda_1-\lambda_2-i)d^{\lambda_2-1}c_{11}^{\lambda_1-\lambda_2-i-1}c_{13}c_{12}^i(c_{33}^{\lambda_3}d-\lambda_3c_{33}^{\lambda_3-1}(c_{31}dy_1+c_{32}dy_2)+\lambda_3(\lambda_3-1)c_{33}^{\lambda_3-2}c_{31}c_{13}c_{32}c_{23}) = (\lambda_1-\lambda_2-i)d^{\lambda_2-1}c_{11}^{\lambda_1-\lambda_2-i-1}c_{12}^i(c_{33}^{\lambda_3}c_{13}-\lambda_3c_{33}^{\lambda_3-1}c_{13}(c_{31}y_1+c_{32}y_2)) = (\lambda_1-\lambda_2-i)d^{\lambda_2-1}c_{11}^{\lambda_1-\lambda_2-i-1}c_{12}^ic_{23}^{\lambda_3}c_{13}+(\lambda_1-\lambda_2-i)d^{\lambda_2-1}c_{11}^{\lambda_1-\lambda_2-i}c_{12}^i(-\lambda_3c_{33}^{\lambda_3-1}c_{32}y_2y_1)+(\lambda_1-\lambda_2-i)d^{\lambda_2-1}c_{11}^{\lambda_1-\lambda_2-i-1}c_{12}^{i+1}(-\lambda_3c_{33}^{\lambda_3-1}c_{32}y_1y_2) = (\lambda_1-\lambda_2-i)d^{\lambda_2-1}c_{11}^{\lambda_1-\lambda_2-i-1}c_{12}^ic_{233}^{\lambda_3}c_{13}+(\lambda_1-\lambda_2-i)u_{i+1}-(\lambda_1-\lambda_2-i)u_{i+1}-(\lambda_1-\lambda_2-i)d^{\lambda_2-1}c_{11}^{\lambda_1-\lambda_2-i-1}c_{12}^{i+1}c_{33}^{\lambda_3}y_2 = (\lambda_1-\lambda_2-i)w_i+(\lambda_1-\lambda_2-i)u_{i+1}+(\lambda_1-\lambda_2-i)u_{i+1}+(\lambda_1-\lambda_2-i)d^{\lambda_2-1}c_{11}^{\lambda_1-\lambda_2-i-1}c_{12}^ic_{33}^{\lambda_3}(c_{13}-c_{11}y_1-c_{12}y_2) = (\lambda_1-\lambda_2-i)w_i+(\lambda_1-\lambda_2-i)u_{i+1}+(\lambda_1-\lambda_2-i)u_{$$

$$(*) = (\lambda_3 + 1)w_i + (\lambda_2 - 1)w_i + (\lambda_1 - \lambda_2 - i)w_i + (\lambda_1 - \lambda_2 - i)u_{i+1} = (\lambda_1 + \lambda_3 - i)w_i + (\lambda_1 - \lambda_2 - i)u_{i+1}$$

$$\begin{array}{l} v_i^{23D} = d^{\lambda_2-1}c_{11}^{\lambda_1-\lambda_2-i}c_{12}^i(c_{33}^{\lambda_3}y_2d - \lambda_3c_{33}^{\lambda_3-1}(2c_{31}c_{13}c_{23} - c_{33}dy_2) - \lambda_3(\lambda_3 - 1)c_{33}^{\lambda_3-2}c_{31}c_{13}c_{33}c_{23}) + id^{\lambda_2-1}c_{11}^{\lambda_1-\lambda_2-i}c_{12}^{i-1}c_{13}(c_{33}^{\lambda_3}d - \lambda_3c_{33}^{\lambda_3-1}(c_{31}dy_1 + c_{32}dy_2) + \lambda_3(\lambda_3-1)c_{33}^{\lambda_3-2}c_{31}c_{13}c_{32}c_{23}) + (\lambda_2-1)d^{\lambda_2-1}y_1c_{11}^{\lambda_1-\lambda_2-i}c_{12}^i(c_{33}^{\lambda_3}d - \lambda_3c_{33}^{\lambda_3-1}(c_{31}dy_1 + c_{32}dy_2) + \lambda_3(\lambda_3-1)c_{33}^{\lambda_3-2}c_{31}c_{13}c_{32}c_{23}) = (**) \end{array}$$

$$d^{\lambda_2-1}c_{11}^{\lambda_1-\lambda_2-i}c_{12}^i(c_{33}^{\lambda_3}y_2d-\lambda_3c_{33}^{\lambda_3-1}(2c_{31}c_{13}c_{23}-c_{33}dy_2)-\lambda_3(\lambda_3-1)c_{33}^{\lambda_3-2}c_{31}c_{13}c_{33}c_{23})=\\d^{\lambda_2}c_{11}^{\lambda_1-\lambda_2-i}c_{12}^i(c_{33}^{\lambda_3}y_2+\lambda_3c_{33}^{\lambda_3}y_2-2\lambda_3c_{33}^{\lambda_3-1}c_{31}y_1y_2-\lambda_3(\lambda_3-1)c_{33}^{\lambda_3-1}c_{31}y_1y_2)=\\d^{\lambda_2}c_{11}^{\lambda_1-\lambda_2-i}c_{12}^i((\lambda_3+1)c_{33}^{\lambda_3}y_2-(\lambda_3+1)\lambda_3c_{33}^{\lambda_3-1}c_{31}y_1y_2)=(\lambda_3+1)u_i$$

$$(\lambda_2-1)d^{\lambda_2-1}y_2c_{11}^{\lambda_1-\lambda_2-i}c_{12}^i(c_{33}^{\lambda_3}d-\lambda_3c_{33}^{\lambda_3-1}(c_{31}dy_1+c_{32}dy_2)+\lambda_3(\lambda_3-1)c_{33}^{\lambda_3-2}c_{31}c_{13}c_{32}c_{23})=(\lambda_2-1)u_i$$

$$id^{\lambda_2-1}c_{11}^{\lambda_1-\lambda_2-i}c_{12}^{i-1}c_{13}(c_{33}^{\lambda_3}d-\lambda_3c_{33}^{\lambda_3-1}(c_{31}dy_1+c_{32}dy_2)+\lambda_3(\lambda_3-1)c_{33}^{\lambda_3-2}c_{31}c_{13}c_{32}c_{23})=\\id^{\lambda_2-1}c_{11}^{\lambda_1-\lambda_2-i}c_{12}^{i-1}(c_{33}^{\lambda_3}c_{13}-\lambda_3c_{33}^{\lambda_3-1}c_{13}(c_{31}y_1+c_{32}y_2))=id^{\lambda_2-1}c_{11}^{\lambda_1-\lambda_2-i}c_{12}^{i-1}c_{33}^{\lambda_3}c_{13}+\\id^{\lambda_2-1}c_{11}^{\lambda_1-\lambda_2-i+1}c_{12}^{i-1}(-\lambda_3c_{33}^{\lambda_3-1}c_{32}y_2y_1)+id^{\lambda_2-1}c_{11}^{\lambda_1-\lambda_2-i}c_{12}^{i}(-\lambda_3c_{33}^{\lambda_3-1}c_{32}y_1y_2)=\\id^{\lambda_2-1}c_{11}^{\lambda_1-\lambda_2-i}c_{12}^{i-1}c_{33}^{\lambda_3}c_{13}+iw_{i-1}-id^{\lambda_2-1}c_{11}^{\lambda_1-\lambda_2-i+1}c_{12}^{i-1}c_{33}^{\lambda_3}y_1+iu_{i}-id^{\lambda_2-1}c_{11}^{\lambda_1-\lambda_2-i}c_{12}^{i}c_{33}^{\lambda_3}y_2=\\iw_{i-1}+iu_{i}+id^{\lambda_2-1}c_{11}^{\lambda_1-\lambda_2-i}c_{12}^{i-1}c_{33}^{\lambda_3}(c_{13}-c_{11}y_1-c_{12}y_2)=iw_{i-1}+iu_{i}$$

$$(**) = (\lambda_3 + 1)u_i + (\lambda_2 - 1)u_i + iw_{i-1} + iu_i = iw_{i-1} + (\lambda_1 + \lambda_3 + i)u_i$$

$$v_i^{21D} = d^{\lambda_2 - 1}c_{11}^{\lambda_1 - \lambda_2 - i}c_{12}^i(-\lambda_3 c_{33}^{\lambda_3 - 1}(c_{31}(-dy_2) + c_{31}dy_2)) + iv_{i-1} = iv_{i-1}$$

$$v_i^{31D} = d^{\lambda_2 - 1}c_{11}^{\lambda_1 - \lambda_2 - i}c_{12}^i(\lambda_3 c_{33}^{\lambda_3 - 1}c_{31}d - \lambda_3(\lambda_3 - 1)c_{33}^{\lambda_3 - 2}c_{31}(c_{31}dy_1 + c_{32}dy_2)$$

$$\lambda_3 c_{33}^{\lambda_3 - 1}c_{31}d + \lambda_3(\lambda_3 - 1)(\lambda_3 - 2)c_{33}^{\lambda_3 - 3}c_{31}c_{13}c_{13}c_{22}c_{23} + \lambda_3(\lambda_3 - 1)c_{33}^{\lambda_3 - 2}(c_{31}c_{11}c_{32}c_{23})$$

$$\begin{aligned} v_i^{31D} &= d^{\lambda_2-1}c_{11}^{\lambda_1-\lambda_2-i}c_{12}^i(\lambda_3c_{33}^{\lambda_3-1}c_{31}d - \lambda_3(\lambda_3-1)c_{33}^{\lambda_3-2}c_{31}(c_{31}dy_1 + c_{32}dy_2) - \\ \lambda_3c_{33}^{\lambda_3-1}c_{31}d + \lambda_3(\lambda_3-1)(\lambda_3-2)c_{33}^{\lambda_3-3}c_{31}c_{31}c_{13}c_{32}c_{23} + \lambda_3(\lambda_3-1)c_{33}^{\lambda_3-2}(c_{31}c_{11}c_{32}c_{23} + c_{31}c_{13}c_{32}c_{21})) = d^{\lambda_2-1}c_{11}^{\lambda_1-\lambda_2-i}c_{12}^i(-\lambda_3(\lambda_3-1)c_{33}^{\lambda_3-2}c_{31}c_{32}dy_2 + \lambda_3(\lambda_3-1)c_{33}^{\lambda_3-2}c_{31}c_{32}(c_{11}c_{23} - c_{13}c_{21})) = 0 \end{aligned}$$

$$\begin{array}{l} v_i^{32D} = d^{\lambda_2-1}c_{11}^{\lambda_1-\lambda_2-i}c_{12}^i(\lambda_3c_{33}^{\lambda_3-1}c_{32}d-\lambda_3(\lambda_3-1)c_{33}^{\lambda_3-2}c_{32}(c_{31}dy_1+c_{32}dy_2) - \\ \lambda_3c_{33}^{\lambda_3-1}c_{32}d+\lambda_3(\lambda_3-1)(\lambda_3-2)c_{33}^{\lambda_3-3}c_{32}c_{31}c_{13}c_{32}c_{23} + \lambda_3(\lambda_3-1)c_{33}^{\lambda_3-2}(c_{31}c_{12}c_{32}c_{23} + c_{31}c_{13}c_{32}c_{22})) = d^{\lambda_2-1}c_{11}^{\lambda_1-\lambda_2-i}c_{12}^i(-\lambda_3(\lambda_3-1)c_{33}^{\lambda_3-2}c_{32}c_{31}dy_1 + \lambda_3(\lambda_3-1)c_{33}^{\lambda_3-2}c_{32}c_{31}(c_{13}c_{22} - c_{12}c_{23})) = 0 \end{array}$$

$$w_i^{12D} = (\lambda_1 - \lambda_2 - i)d^{\lambda_2 - 1}c_{11}^{\lambda_1 - \lambda_2 - i - 1}c_{12}^{i + 1}(c_{33}^{\lambda_3}dy_1 - \lambda_3c_{33}^{\lambda_3 - 1}c_{32}c_{23}c_{13}) = (\lambda_1 - \lambda_2 - i)w_{i + 1}c_{12}^{\lambda_1 - \lambda_2 - i}c_{13}^{\lambda_2 - i}c_{$$

$$\begin{aligned} w_i^{\scriptscriptstyle 13}{}^D &= -(\lambda_1-\lambda_2-i)d^{\lambda_2-1}c_{11}^{\lambda_1-\lambda_2-i-1}c_{13}c_{12}^i(c_{33}^{\lambda_3}dy_1-\lambda_3c_{33}^{\lambda_3-1}c_{32}c_{23}c_{13}) -\\ (\lambda_2-1)d^{\lambda_2-1}y_1c_{11}^{\lambda_1-\lambda_2-i}c_{12}^i(c_{33}^{\lambda_3}dy_1-\lambda_3c_{33}^{\lambda_3-1}c_{32}c_{23}c_{13}) = -(\lambda_1-\lambda_2-i)d^{\lambda_2-1}c_{11}^{\lambda_1-\lambda_2-i-1}c_{12}^ic_{33}^{\lambda_3}c_{13}dy_1 =\\ -(\lambda_1-\lambda_2-i)d^{\lambda_2-1}c_{11}^{\lambda_1-\lambda_2-i-1}c_{12}^ic_{33}^{\lambda_3}(-c_{13}c_{12}c_{23}) = (\lambda_1-\lambda_2-i)d^{\lambda_2-1}c_{11}^{\lambda_1-\lambda_2-i-1}c_{12}^{i+1}c_{33}^{\lambda_3}c_{13}c_{23} =\\ (\lambda_1-\lambda_2-i)r_{i+1} \end{aligned}$$

$$w_{i}^{23D} = d^{\lambda_{2}-1}c_{11}^{\lambda_{1}-\lambda_{2}-i}c_{12}^{i}(c_{33}^{\lambda_{3}}2c_{13}c_{23} - \lambda_{3}c_{33}^{\lambda_{3}-1}c_{33}c_{23}c_{13}) - id^{\lambda_{2}-1}c_{11}^{\lambda_{1}-\lambda_{2}-i}c_{12}^{i-1}c_{13}(c_{33}^{\lambda_{3}}dy_{1} - \lambda_{3}c_{33}^{\lambda_{3}-1}c_{32}c_{23}c_{13}) - (\lambda_{2}-1)d^{\lambda_{2}-1}y_{2}c_{11}^{\lambda_{1}-\lambda_{2}-i}c_{12}^{i}(c_{33}^{\lambda_{3}}dy_{1} - \lambda_{3}c_{33}^{\lambda_{3}-1}c_{32}c_{23}c_{13}) = (\lambda_{3}+2)d^{\lambda_{2}-1}c_{11}^{\lambda_{1}-\lambda_{2}-i}c_{12}^{i}c_{33}^{\lambda_{3}}c_{13}c_{23} - id^{\lambda_{2}-1}c_{11}^{\lambda_{1}-\lambda_{2}-i}c_{12}^{i-1}c_{33}^{\lambda_{3}}c_{13}dy_{1} - (\lambda_{2}-1)d^{\lambda_{2}-1}c_{11}^{\lambda_{1}-\lambda_{2}-i}c_{12}^{i}c_{33}^{\lambda_{3}}dy_{1}y_{2} = (\lambda_{3}+2)r_{i} + ir_{i} + (\lambda_{2}-1)r_{i} = (\lambda_{2}+\lambda_{3}+i+1)r_{i}$$

$$w_i^{21D} = d^{\lambda_2 - 1} c_{11}^{\lambda_1 - \lambda_2 - i} c_{12}^i (c_{33}^{\lambda_3} (-dy_2) - \lambda_3 c_{33}^{\lambda_3 - 1} c_{31} c_{23} c_{13}) - i d^{\lambda_2 - 1} c_{11}^{\lambda_1 - \lambda_2 - i + 1} c_{12}^{i - 1} (c_{33}^{\lambda_3} dy_1 - \lambda_3 c_{33}^{\lambda_3 - 1} c_{32} c_{23} c_{13}) = -u_i - i w_{i - 1}$$

$$\begin{array}{l} w_i^{_{31}D} = d^{\lambda_2-1}c_{11}^{\lambda_1-\lambda_2-i}c_{12}^i(c_{33}^{\lambda_3}d-\lambda_3c_{33}^{\lambda_3-1}c_{31}dy_1-\lambda_3c_{33}^{\lambda_3-1}c_{32}(c_{23}c_{11}-c_{21}c_{13}) + \\ \lambda_3(\lambda_3-1)c_{33}^{\lambda_3-2}c_{31}c_{32}c_{23}c-13) = d^{\lambda_2-1}c_{11}^{\lambda_1-\lambda_2-i}c_{12}^i(c_{33}^{\lambda_3}d-\lambda_3c_{33}^{\lambda_3-1}(c_{31}dy_1+c_{22}dy_2) + \lambda_3(\lambda_3-1)c_{33}^{\lambda_3-2}c_{31}c_{13}c_{32}c_{23}) = v_i \end{array}$$

$$w_{i}^{32D} = d^{\lambda_{2}-1}c_{11}^{\lambda_{1}-\lambda_{2}-i}c_{12}^{i}(-\lambda_{3}c_{33}^{\lambda_{3}-1}c_{32}dy_{1} - \lambda_{3}c_{33}^{\lambda_{3}-1}c_{32}(c_{23}c_{12} - c_{22}c_{13}) + \lambda_{3}(\lambda_{3}-1)c_{33}^{\lambda_{3}-2}c_{32}c_{32}c_{23}c_{13}) = d^{\lambda_{2}-1}c_{11}^{\lambda_{1}-\lambda_{2}-i}c_{12}^{i}(-\lambda_{3}c_{33}^{\lambda_{3}-1}c_{32}dy_{1} - \lambda_{3}c_{33}^{\lambda_{3}-1}c_{32}(-dy_{1})) = 0$$

$$\begin{split} w_i^{12D} &= d^{\lambda_2-1} c_{11}^{\lambda_1-\lambda_2-i} c_{12}^i (c_{33}^{\lambda_3} (-dy_1) - \lambda_3 c_{33}^{\lambda_3-1} c_{32} c_{13} c_{23}) + (\lambda_1 - \lambda_2 - i) u_{i+1} = \\ -w_i + u_{i+1} \\ \\ w_i^{13D} &= d^{\lambda_2-1} c_{11}^{\lambda_1-\lambda_2-i} c_{12}^i (c_{33}^{\lambda_3} (-2c_{13} c_{23}) - \lambda_3 c_{33}^{\lambda_3-1} c_{33} c_{13} c_{23}) - (\lambda_1 - \lambda_2 - i) d^{\lambda_2-1} c_{11}^{\lambda_1-\lambda_2-i} c_{12}^i (c_{33}^{\lambda_3} dy_2 - \lambda_3 c_{33}^{\lambda_3-1} c_{31} c_{12} c_{23}) - (\lambda_2 - 1) d^{\lambda_2-1} y_1 c_{11}^{\lambda_1-\lambda_2-i} c_{12}^i (c_{33}^{\lambda_3} dy_2 - \lambda_3 c_{33}^{\lambda_3-1} c_{31} c_{32}) - (\lambda_1 - \lambda_2 - i) d^{\lambda_2-1} c_{11}^{\lambda_1-\lambda_2-i} c_{12}^{\lambda_1-\lambda_2-i} c_{12}^i (c_{23}^{\lambda_3} dy_2 - \lambda_3 c_{33}^{\lambda_3-1} c_{31} c_{23}) - (\lambda_1 - \lambda_2 - i) d^{\lambda_2-1} c_{11}^{\lambda_1-\lambda_2-i} c_{12}^{\lambda_1-\lambda_2-i} c_{12}^{\lambda_1-\lambda_2-i$$