

前回の補足:3 次方程式の解法と体と群

$$\begin{array}{l}
 L = k(x_1, x_2, x_3) \\
 \parallel_{s_1 = x_1 + x_2 + x_3; (R1)} \\
 K(r_1, r_2) \\
 \left| \begin{array}{l} 3 \\ \leftarrow r_1 r_2 \in K \end{array} \right. \\
 K(r_1^3, r_2^3) \\
 \left| \begin{array}{l} 2 \\ \end{array} \right. \\
 K(t_1, t_2) \qquad t_1 = r_1^3 + r_2^3 \in K, \quad t_2 = r_1^3 r_2^3 \in K \\
 \parallel_{t_1 \in K; t_2 \in K} \\
 K = k(s_1, s_2, s_3)
 \end{array}$$

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$$\begin{array}{l}
 \{(1)\} \\
 \left| \begin{array}{l} 3 \\ \end{array} \right. \\
 \mathfrak{A}_3 \\
 \left| \begin{array}{l} 2 \\ \end{array} \right. \\
 \mathfrak{S}_3
 \end{array}$$