

$$\begin{array}{rclclclclclclcl}
 1 & E_1 & + 3 x_1 & - 9 x_2 & + 5 x_3 & + 2 x_4 & + 2 x_5 & = & - 15 \\
 & E_2 & + 9 x_1 & - 3 x_2 & - 8 x_3 & - 2 x_4 & + 4 x_5 & = & + 69 \\
 & E_3 & - 5 x_1 & + 4 x_2 & + 4 x_3 & + 2 x_4 & + 6 x_5 & = & - 80 \\
 & E_4 & + 4 x_1 & + 7 x_2 & + 7 x_3 & + 5 x_4 & + 8 x_5 & = & - 112 \\
 & E_5 & + 4 x_1 & + 4 x_2 & + 5 x_3 & + 1 x_4 & + 5 x_5 & = & - 59
 \end{array}$$

$$\begin{array}{rclclclclclclcl}
 2 & E_1 & + 8 x_1 & - 3 x_2 & - 7 x_3 & - 3 x_4 & - 7 x_5 & = & - 23 \\
 & E_2 & + 8 x_1 & + 1 x_2 & - 7 x_3 & + 8 x_4 & - 6 x_5 & = & + 14 \\
 & E_3 & - 8 x_1 & + 3 x_2 & - 9 x_3 & - 7 x_4 & + 6 x_5 & = & + 122 \\
 & E_4 & - 4 x_1 & - 8 x_2 & - 6 x_3 & + 5 x_4 & + 8 x_5 & = & + 162 \\
 & E_5 & - 4 x_1 & - 2 x_2 & + 3 x_3 & + 4 x_4 & + 8 x_5 & = & + 59
 \end{array}$$

$$\begin{array}{rclclclclclclcl}
 3 & E_1 & - 6 x_1 & + 7 x_2 & - 6 x_3 & - 3 x_4 & - 3 x_5 & = & - 30 \\
 & E_2 & - 9 x_1 & + 3 x_2 & - 2 x_3 & - 8 x_4 & + 4 x_5 & = & + 8 \\
 & E_3 & - 4 x_1 & + 6 x_2 & - 4 x_3 & - 4 x_4 & + 2 x_5 & = & + 18 \\
 & E_4 & + 7 x_1 & - 2 x_2 & + 6 x_3 & + 4 x_4 & + 9 x_5 & = & + 83 \\
 & E_5 & + 4 x_1 & - 7 x_2 & + 5 x_3 & - 9 x_4 & + 3 x_5 & = & + 75
 \end{array}$$

$$\begin{array}{rclclclclclclcl}
 4 & E_1 & - 5 x_1 & + 6 x_2 & - 3 x_3 & + 4 x_4 & + 9 x_5 & = & + 23 \\
 & E_2 & - 7 x_1 & + 5 x_2 & - 1 x_3 & + 5 x_4 & - 8 x_5 & = & - 20 \\
 & E_3 & - 2 x_1 & - 4 x_2 & + 8 x_3 & + 2 x_4 & + 3 x_5 & = & - 73 \\
 & E_4 & - 2 x_1 & + 7 x_2 & + 6 x_3 & - 2 x_4 & - 8 x_5 & = & - 20 \\
 & E_5 & - 3 x_1 & + 9 x_2 & + 4 x_3 & - 3 x_4 & + 3 x_5 & = & + 9
 \end{array}$$