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BOUDMANUN B.O. UBT 2.1

\begin{cases}
2x_1 + 3x_2 - 4x_3 + 2x_4 + 5x_5 = 9 \\
-x_1 + 2x_2 - 3x_3 - x_4 - 4x_5 = -1 \\
x_1 - 2x_2 + 2x_3 + x_4 + 3x_5 = 3 \\
0 + x_2 + 2x_3 - x_4 + 2x_5 = -1 \\
0 + 7x_2 + x_3 + 0 + x_5 = 2
\end{cases}

                AX=B
        I cnocos (npuebegenne mampenger x sepassen s-ii)

    (2 3 - 4 2 5 9 )

    -1 2 - 3 - 1 - 4 - 1

    1 - 2 2 1 3 3

    0 1 2 - 1 2 - 1

    0 7 1 0 1 2 )

\frac{1}{11} - \frac{24}{7} \cdot \frac{1}{11} = 
\begin{pmatrix}
2 & 3 & -4 & 2 & 5 & 9 \\
0 & \frac{7}{2} - 5 & 0 & \frac{3}{2} & \frac{7}{2} \\
0 & 0 & -1 & 0 & -1 \\
0 & 0 & 0 & -1 & -1 \\
0 & 0 & 1 & 0 & 4 & -5
\end{pmatrix}

\frac{2 & 3 & -4 & 2 & 5 & 9 \\
0 & \frac{7}{2} - 5 & 0 & -\frac{3}{2} & \frac{7}{2} \\
0 & 0 & -1 & 0 & -1 & 2 \\
0 & 0 & 0 & -1 & -1 & \frac{34}{2} \\
0 & 0 & 0 & 0 & -7 & 17
\end{pmatrix}

     Ropelle:
     -7x5 = 17 = 2 \times 5 = -17

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-7x5 = 17 = 2 \times 5 = -17
    -x_3 = 2 + -\frac{17}{7} = \frac{-3}{7} = \frac{3}{7}
    \frac{7}{2}x_{2}^{*} = \frac{7}{2} + 5 \cdot \frac{3}{2} + \frac{3}{2} \cdot \frac{-17}{7} = 2 = \frac{4}{7}
    2x_1 = 9 - 3 \cdot \frac{4}{7} + 4 \cdot \frac{3}{7} - 2 \cdot \frac{17}{7} - 5 \cdot \frac{17}{7} = 26 = 13
    Ombern: X,= 13, X2 = 4/7, X3 = 3/7, X4 = -17/7, X5 = -17/7
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