Random Problem

6.2.1 Reducing a System of Linear Equations to an Upper Triangular System

Original Equation



$$-2 \chi_{0} + 3 \chi_{1} + 2 \chi_{2} + 1 \chi_{3} = 0$$

$$Row2 - \times Row 1 \qquad 4 \chi_{0} + -9 \chi_{1} + -3 \chi_{2} + -5 \chi_{3} = 8$$

$$Row3 - \times Row 1 \qquad 2 \chi_{0} + 6 \chi_{1} + -8 \chi_{2} + 9 \chi_{3} = -33$$

$$Row4 - \times Row 1 \qquad -4 \chi_{0} + 12 \chi_{1} + 11 \chi_{2} + 4 \chi_{3} = 14$$

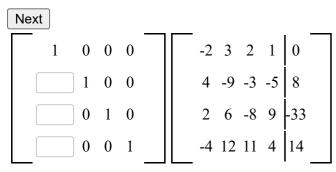
6.2.2 Appended Matrix

Original Appended Matrix

Next

6.2.3 Gauss Transforms

Original Appended Matrix



6.2.4 Separate Forward Substitution

Original Matrix A

1 0 0	4 -9 -3 -5
0 1 0	2 6 -8 9
0 0 1	-4 12 11 4