BACK - SUBSTITUTION

Note Title

Echelon Form

 $x_1 + 5x_2 + x_3 = -4$ $-2x_2 + 4x_3 = 14$ $3x_3 = 9$

Solve by Back-substitution

Tleading

Solution

(Triangular)
Trapetoidal

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- Solve the last for x_5: x_5 = \Gamma - 3
- Second one: substitute x_5 with \Gamma - 3, solve x_3 = \Gamma - 4
- First one: substitute all known values, solve for x_1 = -2\Gamma + s + t + 11
```