Exercises of Linear Algebra Done Right (4th ed.)

Intereswing

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1 Vector Spaces

1.1 1C Subspaces

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    (a) Let $A = \{(x_1, x_2, x_3) \in \mathbf{F}^3 : x_1 + 2x_2 + 3x_3 = 0\}$ $0 + 2 \times 0 + 3 \times 0 = 0$, so