

0.0 0.0 -1.0 1.0
0.0 1.0 0.0 2.0
1.0 0.0 0.0 3.0

$$\text{Det}(A) = 1$$

$$\text{Det}(A1) = 3$$

$$\text{Det}(A2) = 2$$

$$\text{Det}(A3) = -1$$

The values of the matrix are easier to find than usual. They are in an identity matrix, which means that they are straightforward. When this equation is written out, it looks like

$$-x_3 = 1$$

$$x_2 = 2$$

$$x_1 = 3$$

so there shouldn't be any reason that there would be an error.