Tu matriz

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **X1** | **X2** | **X3** | **X4** | **X5** | **b** |
| **1** | 1 | 4 | -6 | -1 | 4.5 | 1 |
| **2** | 1.1 | -2.4 | -10.5 | 7.1 | 1 | -5.8 |
| **3** | 8 | -4.8 | -3.1 | 5.1 | 2 | 9.2 |
| **4** | 1 | -2.1 | 1.3 | 4 | -7.1 | 50 |
| **5** | 1 | 0 | 0 | -1.3 | -2.1 | 10.5 |

Encuentra el pivote en la columna número 1 en la fila número 1

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **X1** | **X2** | **X3** | **X4** | **X5** | **b** |
| **1** | 1 | 4 | -6 | -1 | 4.5 | 1 |
| **2** | 1.1 | -2.4 | -10.5 | 7.1 | 1 | -5.8 |
| **3** | 8 | -4.8 | -3.1 | 5.1 | 2 | 9.2 |
| **4** | 1 | -2.1 | 1.3 | 4 | -7.1 | 50 |
| **5** | 1 | 0 | 0 | -1.3 | -2.1 | 10.5 |

Multiplica la fila numero 1 por 1.1

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **X1** | **X2** | **X3** | **X4** | **X5** | **b** |
| **1** | 1.1 | 4.4 | -6.6 | -1.1 | 4.95 | 1.1 |
| **2** | 1.1 | -2.4 | -10.5 | 7.1 | 1 | -5.8 |
| **3** | 8 | -4.8 | -3.1 | 5.1 | 2 | 9.2 |
| **4** | 1 | -2.1 | 1.3 | 4 | -7.1 | 50 |
| **5** | 1 | 0 | 0 | -1.3 | -2.1 | 10.5 |

Sustrae la fila numero 1 de la fila numero 2 y restaurarla

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **X1** | **X2** | **X3** | **X4** | **X5** | **b** |
| **1** | 1 | 4 | -6 | -1 | 4.5 | 1 |
| **2** | 0 | -6.8 | -3.9 | 8.2 | -3.95 | -6.9 |
| **3** | 8 | -4.8 | -3.1 | 5.1 | 2 | 9.2 |
| **4** | 1 | -2.1 | 1.3 | 4 | -7.1 | 50 |
| **5** | 1 | 0 | 0 | -1.3 | -2.1 | 10.5 |

Multiplica la fila numero 1 por 8

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **X1** | **X2** | **X3** | **X4** | **X5** | **b** |
| **1** | 8 | 32 | -48 | -8 | 36 | 8 |
| **2** | 0 | -6.8 | -3.9 | 8.2 | -3.95 | -6.9 |
| **3** | 8 | -4.8 | -3.1 | 5.1 | 2 | 9.2 |
| **4** | 1 | -2.1 | 1.3 | 4 | -7.1 | 50 |
| **5** | 1 | 0 | 0 | -1.3 | -2.1 | 10.5 |

Sustrae la fila numero 1 de la fila numero 3 y restaurarla

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **X1** | **X2** | **X3** | **X4** | **X5** | **b** |
| **1** | 1 | 4 | -6 | -1 | 4.5 | 1 |
| **2** | 0 | -6.8 | -3.9 | 8.2 | -3.95 | -6.9 |
| **3** | 0 | -36.8 | 44.9 | 13.1 | -34 | 1.2 |
| **4** | 1 | -2.1 | 1.3 | 4 | -7.1 | 50 |
| **5** | 1 | 0 | 0 | -1.3 | -2.1 | 10.5 |

Resta la fila numero 1 por la fila numero 4

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **X1** | **X2** | **X3** | **X4** | **X5** | **b** |
| **1** | 1 | 4 | -6 | -1 | 4.5 | 1 |
| **2** | 0 | -6.8 | -3.9 | 8.2 | -3.95 | -6.9 |
| **3** | 0 | -36.8 | 44.9 | 13.1 | -34 | 1.2 |
| **4** | 0 | -6.1 | 7.3 | 5 | -11.6 | 49 |
| **5** | 1 | 0 | 0 | -1.3 | -2.1 | 10.5 |

Resta la fila numero 1 por la fila numero 5

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **X1** | **X2** | **X3** | **X4** | **X5** | **b** |
| **1** | 1 | 4 | -6 | -1 | 4.5 | 1 |
| **2** | 0 | -6.8 | -3.9 | 8.2 | -3.95 | -6.9 |
| **3** | 0 | -36.8 | 44.9 | 13.1 | -34 | 1.2 |
| **4** | 0 | -6.1 | 7.3 | 5 | -11.6 | 49 |
| **5** | 0 | -4 | 6 | -0.3 | -6.6 | 9.5 |

Encuentra el pivote en la columna número 2 dividiendo la fila número 2 entre -6.8

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **X1** | **X2** | **X3** | **X4** | **X5** | **b** |
| **1** | 1 | 4 | -6 | -1 | 4.5 | 1 |
| **2** | 0 | 1 | 0.57352941176470588235 | -1.2058823529411764705 | 0.58088235294117647058 | 1.0147058823529411764 |
| **3** | 0 | -36.8 | 44.9 | 13.1 | -34 | 1.2 |
| **4** | 0 | -6.1 | 7.3 | 5 | -11.6 | 49 |
| **5** | 0 | -4 | 6 | -0.3 | -6.6 | 9.5 |

Multiplica la fila numero 2 por 4

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **X1** | **X2** | **X3** | **X4** | **X5** | **b** |
| **1** | 1 | 4 | -6 | -1 | 4.5 | 1 |
| **2** | 0 | 4 | 2.2941176470588235294 | -4.823529411764705882 | 2.3235294117647058823 | 4.0588235294117647056 |
| **3** | 0 | -36.8 | 44.9 | 13.1 | -34 | 1.2 |
| **4** | 0 | -6.1 | 7.3 | 5 | -11.6 | 49 |
| **5** | 0 | -4 | 6 | -0.3 | -6.6 | 9.5 |

Sustrae la fila numero 2 de la fila numero 1 y restaurarla

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **X1** | **X2** | **X3** | **X4** | **X5** | **b** |
| **1** | 1 | 0 | -8.2941176470588235294 | 3.823529411764705882 | 2.1764705882352941177 | -3.0588235294117647056 |
| **2** | 0 | 1 | 0.57352941176470588235 | -1.2058823529411764705 | 0.58088235294117647058 | 1.0147058823529411764 |
| **3** | 0 | -36.8 | 44.9 | 13.1 | -34 | 1.2 |
| **4** | 0 | -6.1 | 7.3 | 5 | -11.6 | 49 |
| **5** | 0 | -4 | 6 | -0.3 | -6.6 | 9.5 |

Multiplica la fila numero 2 por -36.8

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **X1** | **X2** | **X3** | **X4** | **X5** | **b** |
| **1** | 1 | 0 | -8.2941176470588235294 | 3.823529411764705882 | 2.1764705882352941177 | -3.0588235294117647056 |
| **2** | 0 | -36.8 | -21.10588235294117647 | 44.376470588235294114 | -21.376470588235294117 | -37.341176470588235291 |
| **3** | 0 | -36.8 | 44.9 | 13.1 | -34 | 1.2 |
| **4** | 0 | -6.1 | 7.3 | 5 | -11.6 | 49 |
| **5** | 0 | -4 | 6 | -0.3 | -6.6 | 9.5 |

Sustrae la fila numero 2 de la fila numero 3 y restaurarla

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **X1** | **X2** | **X3** | **X4** | **X5** | **b** |
| **1** | 1 | 0 | -8.2941176470588235294 | 3.823529411764705882 | 2.1764705882352941177 | -3.0588235294117647056 |
| **2** | 0 | 1 | 0.57352941176470588235 | -1.2058823529411764705 | 0.58088235294117647058 | 1.0147058823529411764 |
| **3** | 0 | 0 | 66.00588235294117647 | -31.276470588235294114 | -12.623529411764705883 | 38.541176470588235291 |
| **4** | 0 | -6.1 | 7.3 | 5 | -11.6 | 49 |
| **5** | 0 | -4 | 6 | -0.3 | -6.6 | 9.5 |

Multiplica la fila numero 2 por -6.1

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **X1** | **X2** | **X3** | **X4** | **X5** | **b** |
| **1** | 1 | 0 | -8.2941176470588235294 | 3.823529411764705882 | 2.1764705882352941177 | -3.0588235294117647056 |
| **2** | 0 | -6.1 | -3.4985294117647058823 | 7.35588235294117647 | -3.5433823529411764705 | -6.189705882352941176 |
| **3** | 0 | 0 | 66.00588235294117647 | -31.276470588235294114 | -12.623529411764705883 | 38.541176470588235291 |
| **4** | 0 | -6.1 | 7.3 | 5 | -11.6 | 49 |
| **5** | 0 | -4 | 6 | -0.3 | -6.6 | 9.5 |

Sustrae la fila numero 2 de la fila numero 4 y restaurarla

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **X1** | **X2** | **X3** | **X4** | **X5** | **b** |
| **1** | 1 | 0 | -8.2941176470588235294 | 3.823529411764705882 | 2.1764705882352941177 | -3.0588235294117647056 |
| **2** | 0 | 1 | 0.57352941176470588235 | -1.2058823529411764705 | 0.58088235294117647058 | 1.0147058823529411764 |
| **3** | 0 | 0 | 66.00588235294117647 | -31.276470588235294114 | -12.623529411764705883 | 38.541176470588235291 |
| **4** | 0 | 0 | 10.798529411764705882 | -2.35588235294117647 | -8.0566176470588235295 | 55.189705882352941176 |
| **5** | 0 | -4 | 6 | -0.3 | -6.6 | 9.5 |

Multiplica la fila numero 2 por -4

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **X1** | **X2** | **X3** | **X4** | **X5** | **b** |
| **1** | 1 | 0 | -8.2941176470588235294 | 3.823529411764705882 | 2.1764705882352941177 | -3.0588235294117647056 |
| **2** | 0 | -4 | -2.2941176470588235294 | 4.823529411764705882 | -2.3235294117647058823 | -4.0588235294117647056 |
| **3** | 0 | 0 | 66.00588235294117647 | -31.276470588235294114 | -12.623529411764705883 | 38.541176470588235291 |
| **4** | 0 | 0 | 10.798529411764705882 | -2.35588235294117647 | -8.0566176470588235295 | 55.189705882352941176 |
| **5** | 0 | -4 | 6 | -0.3 | -6.6 | 9.5 |

Sustrae la fila numero 2 de la fila numero 5 y restaurarla

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **X1** | **X2** | **X3** | **X4** | **X5** | **b** |
| **1** | 1 | 0 | -8.2941176470588235294 | 3.823529411764705882 | 2.1764705882352941177 | -3.0588235294117647056 |
| **2** | 0 | 1 | 0.57352941176470588235 | -1.2058823529411764705 | 0.58088235294117647058 | 1.0147058823529411764 |
| **3** | 0 | 0 | 66.00588235294117647 | -31.276470588235294114 | -12.623529411764705883 | 38.541176470588235291 |
| **4** | 0 | 0 | 10.798529411764705882 | -2.35588235294117647 | -8.0566176470588235295 | 55.189705882352941176 |
| **5** | 0 | 0 | 8.2941176470588235294 | -5.123529411764705882 | -4.2764705882352941177 | 13.558823529411764705 |

Encuentra el pivote en la columna número 3 dividiendo la fila número 3 entre 66.00588235294117647

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **X1** | **X2** | **X3** | **X4** | **X5** | **b** |
| **1** | 1 | 0 | -8.2941176470588235294 | 3.823529411764705882 | 2.1764705882352941177 | -3.0588235294117647056 |
| **2** | 0 | 1 | 0.57352941176470588235 | -1.2058823529411764705 | 0.58088235294117647058 | 1.0147058823529411764 |
| **3** | 0 | 0 | 1 | -0.47384368594599411812 | -0.19124855182247571518 | 0.58390517779164067369 |
| **4** | 0 | 0 | 10.798529411764705882 | -2.35588235294117647 | -8.0566176470588235295 | 55.189705882352941176 |
| **5** | 0 | 0 | 8.2941176470588235294 | -5.123529411764705882 | -4.2764705882352941177 | 13.558823529411764705 |

Multiplica la fila numero 3 por -8.2941176470588235294

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **X1** | **X2** | **X3** | **X4** | **X5** | **b** |
| **1** | 1 | 0 | -8.2941176470588235294 | 3.823529411764705882 | 2.1764705882352941177 | -3.0588235294117647056 |
| **2** | 0 | 1 | 0.57352941176470588235 | -1.2058823529411764705 | 0.58088235294117647058 | 1.0147058823529411764 |
| **3** | 0 | 0 | -8.2941176470588235294 | 3.930115277552068862 | 1.5862379886452397553 | -4.8429782393306667641 |
| **4** | 0 | 0 | 10.798529411764705882 | -2.35588235294117647 | -8.0566176470588235295 | 55.189705882352941176 |
| **5** | 0 | 0 | 8.2941176470588235294 | -5.123529411764705882 | -4.2764705882352941177 | 13.558823529411764705 |

Sustrae la fila numero 3 de la fila numero 1 y restaurarla

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **X1** | **X2** | **X3** | **X4** | **X5** | **b** |
| **1** | 1 | 0 | 0 | -0.10658586578736298 | 0.5902325995900543624 | 1.7841547099189020585 |
| **2** | 0 | 1 | 0.57352941176470588235 | -1.2058823529411764705 | 0.58088235294117647058 | 1.0147058823529411764 |
| **3** | 0 | 0 | 1 | -0.47384368594599411812 | -0.19124855182247571518 | 0.58390517779164067369 |
| **4** | 0 | 0 | 10.798529411764705882 | -2.35588235294117647 | -8.0566176470588235295 | 55.189705882352941176 |
| **5** | 0 | 0 | 8.2941176470588235294 | -5.123529411764705882 | -4.2764705882352941177 | 13.558823529411764705 |

Multiplica la fila numero 3 por 0.57352941176470588235

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **X1** | **X2** | **X3** | **X4** | **X5** | **b** |
| **1** | 1 | 0 | 0 | -0.10658586578736298 | 0.5902325995900543624 | 1.7841547099189020585 |
| **2** | 0 | 1 | 0.57352941176470588235 | -1.2058823529411764705 | 0.58088235294117647058 | 1.0147058823529411764 |
| **3** | 0 | 0 | 0.57352941176470588235 | -0.27176329046902603833 | -0.10968666942759636605 | 0.33488679314520568049 |
| **4** | 0 | 0 | 10.798529411764705882 | -2.35588235294117647 | -8.0566176470588235295 | 55.189705882352941176 |
| **5** | 0 | 0 | 8.2941176470588235294 | -5.123529411764705882 | -4.2764705882352941177 | 13.558823529411764705 |

Sustrae la fila numero 3 de la fila numero 2 y restaurarla

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **X1** | **X2** | **X3** | **X4** | **X5** | **b** |
| **1** | 1 | 0 | 0 | -0.10658586578736298 | 0.5902325995900543624 | 1.7841547099189020585 |
| **2** | 0 | 1 | 0 | -0.93411906247215043217 | 0.69056902236877283663 | 0.67981908920773549591 |
| **3** | 0 | 0 | 1 | -0.47384368594599411812 | -0.19124855182247571518 | 0.58390517779164067369 |
| **4** | 0 | 0 | 10.798529411764705882 | -2.35588235294117647 | -8.0566176470588235295 | 55.189705882352941176 |
| **5** | 0 | 0 | 8.2941176470588235294 | -5.123529411764705882 | -4.2764705882352941177 | 13.558823529411764705 |

Multiplica la fila numero 3 por 10.798529411764705882

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **X1** | **X2** | **X3** | **X4** | **X5** | **b** |
| **1** | 1 | 0 | 0 | -0.10658586578736298 | 0.5902325995900543624 | 1.7841547099189020585 |
| **2** | 0 | 1 | 0 | -0.93411906247215043217 | 0.69056902236877283663 | 0.67981908920773549591 |
| **3** | 0 | 0 | 10.798529411764705882 | -5.1168149792668158959 | -2.0652031118124105537 | 6.3053172360647315687 |
| **4** | 0 | 0 | 10.798529411764705882 | -2.35588235294117647 | -8.0566176470588235295 | 55.189705882352941176 |
| **5** | 0 | 0 | 8.2941176470588235294 | -5.123529411764705882 | -4.2764705882352941177 | 13.558823529411764705 |

Sustrae la fila numero 3 de la fila numero 4 y restaurarla

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **X1** | **X2** | **X3** | **X4** | **X5** | **b** |
| **1** | 1 | 0 | 0 | -0.10658586578736298 | 0.5902325995900543624 | 1.7841547099189020585 |
| **2** | 0 | 1 | 0 | -0.93411906247215043217 | 0.69056902236877283663 | 0.67981908920773549591 |
| **3** | 0 | 0 | 1 | -0.47384368594599411812 | -0.19124855182247571518 | 0.58390517779164067369 |
| **4** | 0 | 0 | 0 | 2.7609326263256394259 | -5.9914145352464129758 | 48.884388646288209607 |
| **5** | 0 | 0 | 8.2941176470588235294 | -5.123529411764705882 | -4.2764705882352941177 | 13.558823529411764705 |

Multiplica la fila numero 3 por 8.2941176470588235294

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **X1** | **X2** | **X3** | **X4** | **X5** | **b** |
| **1** | 1 | 0 | 0 | -0.10658586578736298 | 0.5902325995900543624 | 1.7841547099189020585 |
| **2** | 0 | 1 | 0 | -0.93411906247215043217 | 0.69056902236877283663 | 0.67981908920773549591 |
| **3** | 0 | 0 | 8.2941176470588235294 | -3.930115277552068862 | -1.5862379886452397553 | 4.8429782393306667641 |
| **4** | 0 | 0 | 0 | 2.7609326263256394259 | -5.9914145352464129758 | 48.884388646288209607 |
| **5** | 0 | 0 | 8.2941176470588235294 | -5.123529411764705882 | -4.2764705882352941177 | 13.558823529411764705 |

Sustrae la fila numero 3 de la fila numero 5 y restaurarla

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **X1** | **X2** | **X3** | **X4** | **X5** | **b** |
| **1** | 1 | 0 | 0 | -0.10658586578736298 | 0.5902325995900543624 | 1.7841547099189020585 |
| **2** | 0 | 1 | 0 | -0.93411906247215043217 | 0.69056902236877283663 | 0.67981908920773549591 |
| **3** | 0 | 0 | 1 | -0.47384368594599411812 | -0.19124855182247571518 | 0.58390517779164067369 |
| **4** | 0 | 0 | 0 | 2.7609326263256394259 | -5.9914145352464129758 | 48.884388646288209607 |
| **5** | 0 | 0 | 0 | -1.19341413421263702 | -2.6902325995900543624 | 8.7158452900810979409 |

Encuentra el pivote en la columna número 4 dividiendo la fila número 4 entre 2.7609326263256394259

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **X1** | **X2** | **X3** | **X4** | **X5** | **b** |
| **1** | 1 | 0 | 0 | -0.10658586578736298 | 0.5902325995900543624 | 1.7841547099189020585 |
| **2** | 0 | 1 | 0 | -0.93411906247215043217 | 0.69056902236877283663 | 0.67981908920773549591 |
| **3** | 0 | 0 | 1 | -0.47384368594599411812 | -0.19124855182247571518 | 0.58390517779164067369 |
| **4** | 0 | 0 | 0 | 1 | -2.1700690839457496146 | 17.705752099914704205 |
| **5** | 0 | 0 | 0 | -1.19341413421263702 | -2.6902325995900543624 | 8.7158452900810979409 |

Multiplica la fila numero 4 por -0.10658586578736298

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **X1** | **X2** | **X3** | **X4** | **X5** | **b** |
| **1** | 1 | 0 | 0 | -0.10658586578736298 | 0.5902325995900543624 | 1.7841547099189020585 |
| **2** | 0 | 1 | 0 | -0.93411906247215043217 | 0.69056902236877283663 | 0.67981908920773549591 |
| **3** | 0 | 0 | 1 | -0.47384368594599411812 | -0.19124855182247571518 | 0.58390517779164067369 |
| **4** | 0 | 0 | 0 | -0.10658586578736298 | 0.23129869213074739648 | -1.8871829169858289104 |
| **5** | 0 | 0 | 0 | -1.19341413421263702 | -2.6902325995900543624 | 8.7158452900810979409 |

Sustrae la fila numero 4 de la fila numero 1 y restaurarla

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **X1** | **X2** | **X3** | **X4** | **X5** | **b** |
| **1** | 1 | 0 | 0 | 0 | 0.35893390745930696592 | 3.6713376269047309689 |
| **2** | 0 | 1 | 0 | -0.93411906247215043217 | 0.69056902236877283663 | 0.67981908920773549591 |
| **3** | 0 | 0 | 1 | -0.47384368594599411812 | -0.19124855182247571518 | 0.58390517779164067369 |
| **4** | 0 | 0 | 0 | 1 | -2.1700690839457496146 | 17.705752099914704205 |
| **5** | 0 | 0 | 0 | -1.19341413421263702 | -2.6902325995900543624 | 8.7158452900810979409 |

Multiplica la fila numero 4 por -0.93411906247215043217

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **X1** | **X2** | **X3** | **X4** | **X5** | **b** |
| **1** | 1 | 0 | 0 | 0 | 0.35893390745930696592 | 3.6713376269047309689 |
| **2** | 0 | 1 | 0 | -0.93411906247215043217 | 0.69056902236877283663 | 0.67981908920773549591 |
| **3** | 0 | 0 | 1 | -0.47384368594599411812 | -0.19124855182247571518 | 0.58390517779164067369 |
| **4** | 0 | 0 | 0 | -0.93411906247215043217 | 2.0271028981952019447 | -16.539280551936632277 |
| **5** | 0 | 0 | 0 | -1.19341413421263702 | -2.6902325995900543624 | 8.7158452900810979409 |

Sustrae la fila numero 4 de la fila numero 2 y restaurarla

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **X1** | **X2** | **X3** | **X4** | **X5** | **b** |
| **1** | 1 | 0 | 0 | 0 | 0.35893390745930696592 | 3.6713376269047309689 |
| **2** | 0 | 1 | 0 | 0 | -1.336533875826429108 | 17.219099641144367772 |
| **3** | 0 | 0 | 1 | -0.47384368594599411812 | -0.19124855182247571518 | 0.58390517779164067369 |
| **4** | 0 | 0 | 0 | 1 | -2.1700690839457496146 | 17.705752099914704205 |
| **5** | 0 | 0 | 0 | -1.19341413421263702 | -2.6902325995900543624 | 8.7158452900810979409 |

Multiplica la fila numero 4 por -0.47384368594599411812

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **X1** | **X2** | **X3** | **X4** | **X5** | **b** |
| **1** | 1 | 0 | 0 | 0 | 0.35893390745930696592 | 3.6713376269047309689 |
| **2** | 0 | 1 | 0 | 0 | -1.336533875826429108 | 17.219099641144367772 |
| **3** | 0 | 0 | 1 | -0.47384368594599411812 | -0.19124855182247571518 | 0.58390517779164067369 |
| **4** | 0 | 0 | 0 | -0.47384368594599411812 | 1.0282735334943009267 | -8.3897588374696089695 |
| **5** | 0 | 0 | 0 | -1.19341413421263702 | -2.6902325995900543624 | 8.7158452900810979409 |

Sustrae la fila numero 4 de la fila numero 3 y restaurarla

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **X1** | **X2** | **X3** | **X4** | **X5** | **b** |
| **1** | 1 | 0 | 0 | 0 | 0.35893390745930696592 | 3.6713376269047309689 |
| **2** | 0 | 1 | 0 | 0 | -1.336533875826429108 | 17.219099641144367772 |
| **3** | 0 | 0 | 1 | 0 | -1.2195220853167766418 | 8.9736640152612496431 |
| **4** | 0 | 0 | 0 | 1 | -2.1700690839457496146 | 17.705752099914704205 |
| **5** | 0 | 0 | 0 | -1.19341413421263702 | -2.6902325995900543624 | 8.7158452900810979409 |

Multiplica la fila numero 4 por -1.19341413421263702

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **X1** | **X2** | **X3** | **X4** | **X5** | **b** |
| **1** | 1 | 0 | 0 | 0 | 0.35893390745930696592 | 3.6713376269047309689 |
| **2** | 0 | 1 | 0 | 0 | -1.336533875826429108 | 17.219099641144367772 |
| **3** | 0 | 0 | 1 | 0 | -1.2195220853167766418 | 8.9736640152612496431 |
| **4** | 0 | 0 | 0 | -1.19341413421263702 | 2.5897911169987271024 | -21.130294812903286556 |
| **5** | 0 | 0 | 0 | -1.19341413421263702 | -2.6902325995900543624 | 8.7158452900810979409 |

Sustrae la fila numero 4 de la fila numero 5 y restaurarla

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **X1** | **X2** | **X3** | **X4** | **X5** | **b** |
| **1** | 1 | 0 | 0 | 0 | 0.35893390745930696592 | 3.6713376269047309689 |
| **2** | 0 | 1 | 0 | 0 | -1.336533875826429108 | 17.219099641144367772 |
| **3** | 0 | 0 | 1 | 0 | -1.2195220853167766418 | 8.9736640152612496431 |
| **4** | 0 | 0 | 0 | 1 | -2.1700690839457496146 | 17.705752099914704205 |
| **5** | 0 | 0 | 0 | 0 | -5.2800237165887814648 | 29.846140102984384496 |

Encuentra el pivote en la columna número 5 dividiendo la fila número 5 entre -5.2800237165887814648

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **X1** | **X2** | **X3** | **X4** | **X5** | **b** |
| **1** | 1 | 0 | 0 | 0 | 0.35893390745930696592 | 3.6713376269047309689 |
| **2** | 0 | 1 | 0 | 0 | -1.336533875826429108 | 17.219099641144367772 |
| **3** | 0 | 0 | 1 | 0 | -1.2195220853167766418 | 8.9736640152612496431 |
| **4** | 0 | 0 | 0 | 1 | -2.1700690839457496146 | 17.705752099914704205 |
| **5** | 0 | 0 | 0 | 0 | 1 | -5.6526526593457837762 |

Multiplica la fila numero 5 por 0.35893390745930696592

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **X1** | **X2** | **X3** | **X4** | **X5** | **b** |
| **1** | 1 | 0 | 0 | 0 | 0.35893390745930696592 | 3.6713376269047309689 |
| **2** | 0 | 1 | 0 | 0 | -1.336533875826429108 | 17.219099641144367772 |
| **3** | 0 | 0 | 1 | 0 | -1.2195220853167766418 | 8.9736640152612496431 |
| **4** | 0 | 0 | 0 | 1 | -2.1700690839457496146 | 17.705752099914704205 |
| **5** | 0 | 0 | 0 | 0 | 0.35893390745930696592 | -2.0289287065292249771 |

Sustrae la fila numero 5 de la fila numero 1 y restaurarla

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **X1** | **X2** | **X3** | **X4** | **X5** | **b** |
| **1** | 1 | 0 | 0 | 0 | 0 | 5.700266333433955946 |
| **2** | 0 | 1 | 0 | 0 | -1.336533875826429108 | 17.219099641144367772 |
| **3** | 0 | 0 | 1 | 0 | -1.2195220853167766418 | 8.9736640152612496431 |
| **4** | 0 | 0 | 0 | 1 | -2.1700690839457496146 | 17.705752099914704205 |
| **5** | 0 | 0 | 0 | 0 | 1 | -5.6526526593457837762 |

Multiplica la fila numero 5 por -1.336533875826429108

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **X1** | **X2** | **X3** | **X4** | **X5** | **b** |
| **1** | 1 | 0 | 0 | 0 | 0 | 5.700266333433955946 |
| **2** | 0 | 1 | 0 | 0 | -1.336533875826429108 | 17.219099641144367772 |
| **3** | 0 | 0 | 1 | 0 | -1.2195220853167766418 | 8.9736640152612496431 |
| **4** | 0 | 0 | 0 | 1 | -2.1700690839457496146 | 17.705752099914704205 |
| **5** | 0 | 0 | 0 | 0 | -1.336533875826429108 | 7.5549617674959920504 |

Sustrae la fila numero 5 de la fila numero 2 y restaurarla

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **X1** | **X2** | **X3** | **X4** | **X5** | **b** |
| **1** | 1 | 0 | 0 | 0 | 0 | 5.700266333433955946 |
| **2** | 0 | 1 | 0 | 0 | 0 | 9.6641378736483757216 |
| **3** | 0 | 0 | 1 | 0 | -1.2195220853167766418 | 8.9736640152612496431 |
| **4** | 0 | 0 | 0 | 1 | -2.1700690839457496146 | 17.705752099914704205 |
| **5** | 0 | 0 | 0 | 0 | 1 | -5.6526526593457837762 |

Multiplica la fila numero 5 por -1.2195220853167766418

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **X1** | **X2** | **X3** | **X4** | **X5** | **b** |
| **1** | 1 | 0 | 0 | 0 | 0 | 5.700266333433955946 |
| **2** | 0 | 1 | 0 | 0 | 0 | 9.6641378736483757216 |
| **3** | 0 | 0 | 1 | 0 | -1.2195220853167766418 | 8.9736640152612496431 |
| **4** | 0 | 0 | 0 | 1 | -2.1700690839457496146 | 17.705752099914704205 |
| **5** | 0 | 0 | 0 | 0 | -1.2195220853167766418 | 6.8935347586967932933 |

Sustrae la fila numero 5 de la fila numero 3 y restaurarla

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **X1** | **X2** | **X3** | **X4** | **X5** | **b** |
| **1** | 1 | 0 | 0 | 0 | 0 | 5.700266333433955946 |
| **2** | 0 | 1 | 0 | 0 | 0 | 9.6641378736483757216 |
| **3** | 0 | 0 | 1 | 0 | 0 | 2.0801292565644563498 |
| **4** | 0 | 0 | 0 | 1 | -2.1700690839457496146 | 17.705752099914704205 |
| **5** | 0 | 0 | 0 | 0 | 1 | -5.6526526593457837762 |

Multiplica la fila numero 5 por -2.1700690839457496146

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **X1** | **X2** | **X3** | **X4** | **X5** | **b** |
| **1** | 1 | 0 | 0 | 0 | 0 | 5.700266333433955946 |
| **2** | 0 | 1 | 0 | 0 | 0 | 9.6641378736483757216 |
| **3** | 0 | 0 | 1 | 0 | 0 | 2.0801292565644563498 |
| **4** | 0 | 0 | 0 | 1 | -2.1700690839457496146 | 17.705752099914704205 |
| **5** | 0 | 0 | 0 | 0 | -2.1700690839457496146 | 12.266646778330010453 |

Sustrae la fila numero 5 de la fila numero 4 y restaurarla

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **X1** | **X2** | **X3** | **X4** | **X5** | **b** |
| **1** | 1 | 0 | 0 | 0 | 0 | 5.700266333433955946 |
| **2** | 0 | 1 | 0 | 0 | 0 | 9.6641378736483757216 |
| **3** | 0 | 0 | 1 | 0 | 0 | 2.0801292565644563498 |
| **4** | 0 | 0 | 0 | 1 | 0 | 5.439105321584693752 |
| **5** | 0 | 0 | 0 | 0 | 1 | -5.6526526593457837762 |

Esconder solución

Recalcular

Solución:

x1 = 5.700266333433955946

x2 = 9.6641378736483757216

x3 = 2.0801292565644563498

x4 = 5.439105321584693752

x5 = -5.6526526593457837762